

E N T R A P A S S TM
SPECIAL EDITION



High Performance Access Control and Integrated Security System

Reference Manual

KANTECHTM

DN1420-0810 / Version 4.01

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WARNING: KANTECH recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this SOFTWARE PRODUCT to fail to perform as expected.

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Chapter 1 • Introduction

Welcome to EntraPass, a powerful multi-user access control system that provides all the features required in the most demanding applications.

What is EntraPass? EntraPass is a comprehensive, menu-driven access control software package. Among the many features EntraPass offers, you will find:

- Connection to the Kantech IP Link
- KT-100, KT-200, KT-300 and KT-400 compatibility
- Express setup
- Local anti-passback, and DayPass for temporary visitors
- Elevator control
- Integrated badging capability
- Interactive floor plans
- Configurable desktops by operator
- Multiple reader technology
- External alarm system interfacing
- Time and Attendance reporting
- E-mail reports capability
- Visual diagnostics
- Vocabulary editor

What is Access Control? Access control consists of a set of components (door readers, exit detectors, motion detectors, etc.) that are professionally installed and electronically controlled. System workstations are used to receive event messages, acknowledge alarms, modify the system database, etc. A supporting advantage of access control is that all system events are carefully archived and can be easily retrieved for inspection purposes.



EntraPass Main Features

Kantech IP Link. EntraPass is compatible with the Kantech IP Link that provides a secure ethernet connection that serves as a polling device that will control the excess bandwidth by communicating to the system only when necessary. The Kantech IP Link's main function is to relay information between the controllers and the gateway.

KT-100, KT-200, KT-300 and KT-400 Controllers. EntraPass is compatible with Kantech's KT-100, KT-200, KT-300 and KT-400 controllers. This has an added benefit when upgrading existing sites that require more flexibility and improved user interfaces. It also allows installers to select the controller that best suits their customers' needs and budget.

KT-400. The KT-400 controller is a 4-door ethernet encrypted controller that is used as a door controller and as a IP communication device for a remote site loop.

Expansion Modules for the KT-400. The KT-400 controller allows connection of expansion modules in order to add outputs, like relays and open drain outputs, and inputs. *Mixing up input and output expansion modules gives the ability to connect up to 256 inputs and 256 outputs per KT-400 Controller.*

- **KT-MOD-REL8:** This expansion module is an 8-relay expansion module used as general relays or elevator control outputs. The module supports daisy chaining which can add up to 32 KT-MOD-REL8 modules for a total of 256 external relays per KT-400 controller.
- **KT-MOD-INP16:** This expansion module is an input module that adds up to 16 zones to the KT-400 controller. The module supports daisy chaining; you can interconnect up to 15 KT-MOD-INP16 modules for a total of 240 external inputs per KT-400. Adding the 16 onboard inputs of the KT-400 gives a total of 256 inputs per KT-400.
- **KT-MOD-OUT16:** This expansion module is an open drain to 12 VDC 16 output module. It can be used for elevator access control (may require additional hardware). The module supports daisy chaining; you can interconnect up to 16 KT-MOD-OUT16 modules for a total of 256 external outputs per KT-400.

Express Setup. The Express Setup program enables installers to automatically define and configure the most standard system components. This saves installation time and prevents setup errors. With Express Setup, the system is fully functional and ready to test the hardware and wiring before the installer makes the customized changes necessary for a particular site.

Elevator Control Capability. EntraPass allows installers to program up to 64 floors per elevator cab using expansion devices such as KT-PC4216, KT-PC4204 (16 floors maximum) with the KT-300 or such as KT-MOD-OUT16, KT-MOD-INP16 or KT-MOD-REL8 with the KT-400. This indispensable feature in a multi-tenant building allows facility managers to restrict specific floor access to authorized cardholders.

Integrated Badging. The Integrated Badging feature was added to EntraPass to allow users to design and print badges. Pictures and signatures can be imported or, with the necessary devices, captured and incorporated into cards for printing badges.

Interactive Floor Plans. EntraPass can import and display high-resolution graphics created on CAD-type systems (converted to .jpg or .bmp), allowing you to design a graphic-based system that operators can use with minimal training. Interactive icons can be added to floor plans to display component status and offer full manual operation of the component in real-time.

Configurable Desktops by Operator. With EntraPass, each Operator can be assigned up to 4 configurable desktops. These desktops display selected windows featuring message events, user photos, filtered events, and alarm instructions. Desktops can contain any combination of windows.

Interfacing with External Alarm Panels. KT-100, KT-300 and KT-400 controllers allow users to arm, disarm, and postpone the arming of an external alarm panel through. This allows EntraPass to easily integrate with an external alarm system.

Time and Attendance Feature. The Time and Attendance feature is a low-cost alternative to high-priced dedicated Time and Attendance systems. It enables operators to print or download time sheets in a CSV format to a payroll system.

Visual Diagnostics. EntraPass offers on-screen real-time visual representation of the system devices, with conditions updated in real-time, including high resolution floor plans that can be imported and displayed on screen. Interactive system icons can be added to the graphic to display component status in real-time. Manual operations may be performed from the real-time system graphic.

Vocabulary Editor. Simple and easy program used to translate the software in the language of your choice. By default, Entrapass is available in English, French, Spanish, German and Italian. It can also be translated in up to 99 languages, by using this feature.



Entrapass Manual and Help

Using the Reference Manual

The *Reference Manual* is designed for Entrapass system installers, administrators and users. You may refer to the hard copy of the manual or to the on-line version in pdf format.

Getting Help

Our window-level Help will provide you with immediate and context-related Help. Press **[F1]** on your keyboard to display the Help related to the active window or select **Help > Contents** from the Entrapass menu bar.

For immediate help, use the **Help** button, found in all the system windows. You may also use the right-click option; it may either display a shortcut menu or the help file of the active window.

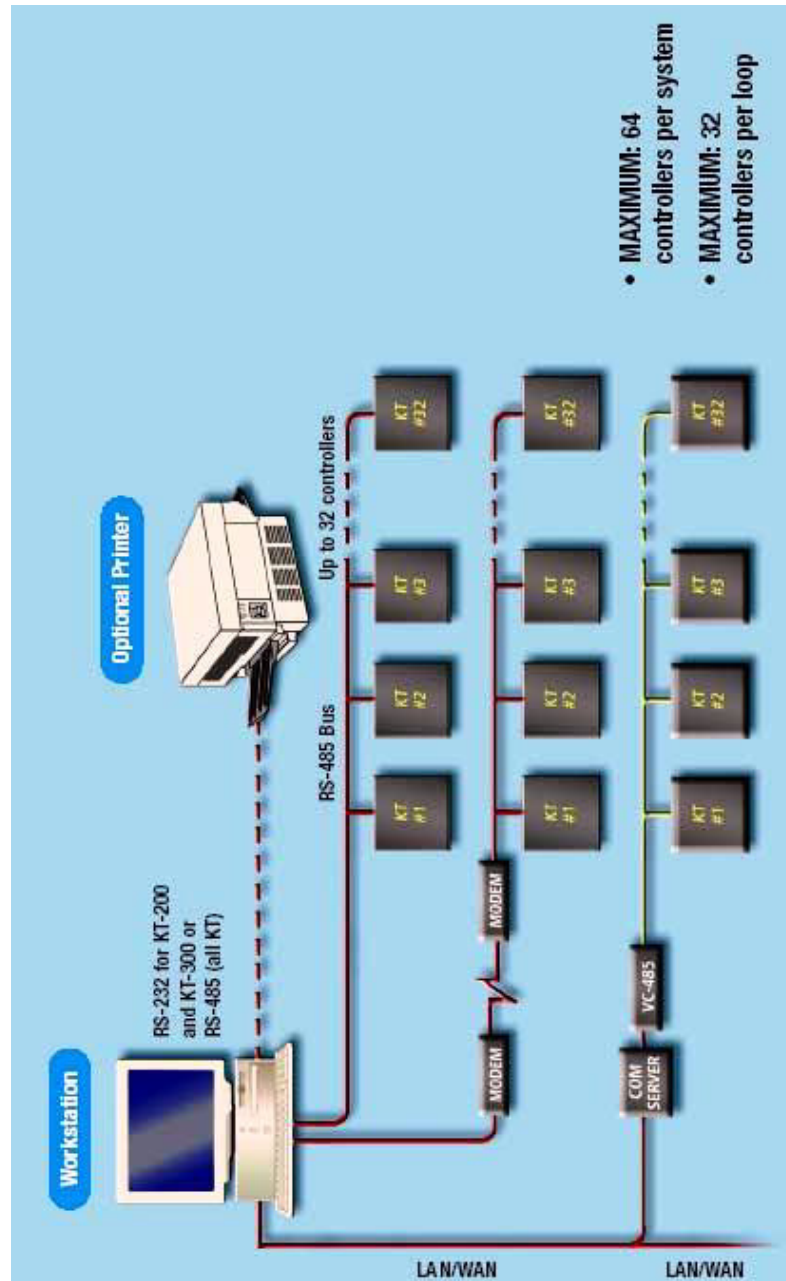
Technical Support

If you cannot find the answer to your question in this manual or in the Help files, we recommend you contact your system installer. Your installer is familiar with your system configuration and should be able to answer any of your questions. Should you need additional information, refer to the following table for the Technical Support Help Desk in your area.

Country/Region	Phone Numbers	Support Hours (Mon. to Fri.)	Email
North America Toll Free 1 888 222 1560 (GMT -05:00)			
US and Canada	Direct: 1 450 444 2030 Fax: 1 450 444 2029	8:00 to 20:00	kantechsupport@tycoint.com
Latin America (GMT -03:00)			
Argentina	Direct: 011 5411 4717 2929 Direct: 011 5411 4717 1320 Direct: 011 5411 4717 5525 Fax: 011 5411 4717 1060	9:00 to 18:00	ingenieria@tycoint.com
Asia (GMT +08:00)			
Singapore	Direct: 011 65 6319 9820 Fax: 011 65 6319 9821	8:30 to 18:00	swhuin@tycoint.com
Europe Toll Free 1 800 CALL TYCO / 1 800 2255 8926 (GMT +01:00)			
Bahrain	800 04127	8:00 to 18:00	tfsemea.support@tycoint.com
France	33 04 72 79 14 83		
Greece	00 800 31 22 94 53		
Russia	8 10 800 2052 1031		
Spain	900 10 190 45		
Turkey	00 800 31 92 30 37		
United Arab Emirates	800 0 31 0 7123		
United Kingdom	44 08701 ADT SUP / 44 08701 238 787 Direct: 011 31 475 352 722 Fax: 011 31 475 352 725		



System Architecture



Chapter 2 • Software Installation

Before any installation takes place, make sure that the computers on which the software will be installed meet the necessary requirements.

For information concerning hardware equipment installed with the software, refer to the documentation supplied with the hardware.

This chapter contains information related to the EntraPass software. You will find:

- System requirements
- Software installation and upgrading

Depending on the system configuration, there are different system hardware requirements for the installation of the EntraPass software.

Recommended System Requirements

The following system requirements apply to the EntraPass system.

Make sure that the computer on which you are installing the software meets the following requirements:

- Operating Systems: Windows 2000/XP Pro SP2/2003 Standard and Enterprise Server Editions/ Vista Business, Enterprise, and Ultimate
- Processor: Pentium IV at 1.8 GHz
- 512 MB RAM
- Minimum free hard disk space: 10 GB
- Screen resolution: 1024 x 768
- Graphic adapter card: 32 MB
- 48X CD-ROM drive
- Network Interface card: 10/100 Base-T network adaptor

For Vista operating systems and video integration, we highly recommend a dual core or higher processor and, at minimum 2 GB of RAM. Actual requirements may vary based on your operating system and configuration.

Additional Requirements

For several applications, you can use the following devices:

- **A video capture card**—to capture user images for card identification
- **A sound card**—to use warning sounds when an alarm is reported
- **A badge printer**— to print badges (Badging)
- **A signature capture device**— to capture signatures (Badging)
- **A log printer**—(dot-matrix or laser) to print events (messages and alarms)
- **A Report printer**—(laser) to print reports

Installation Kit

The EntraPass installation package contains EntraPass software CD-ROM as well as the *Reference Manual* DN1420. It also contains the **CBLK-10** kit which includes 30 m (100 ft) RS-232 cable with RJ-12 connectors, the DB9F to RJ-12 (740-1023) adaptor and the DB9M to DB25F (740-1041) adaptor. Your installation CD-ROM allows you to install the basic components of your EntraPass:

- 1 Single workstation application
- Report Viewer
- Vocabulary Editor
- KT-Finder program



Installation Steps

The InstallShield Wizard will guide you through the installation steps. All you need to do is to enter the **System Installation Code** (located on the software CD-ROM) and follow the instructions displayed on the screen.

Installing EntraPass Software

The system will be up and running in three steps! Installers need to:

- 1 Install the software using the **System Installation Code** located in the CD-ROM pocket.
- 2 Install the workstation.

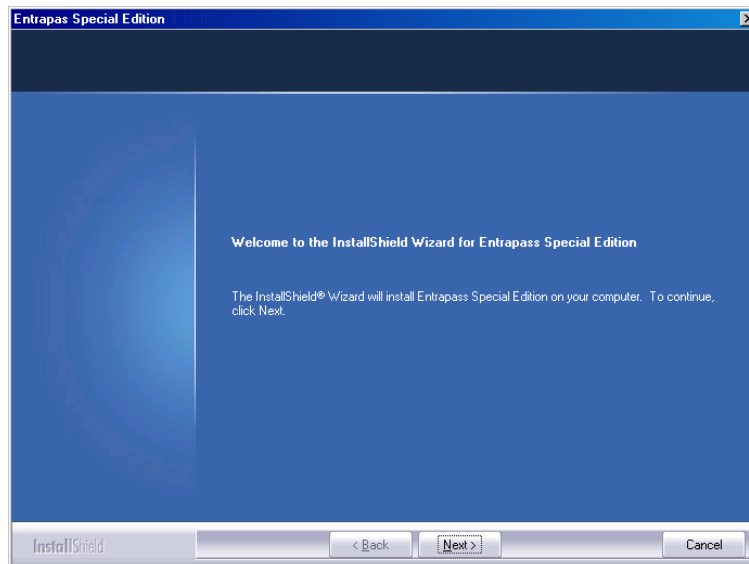
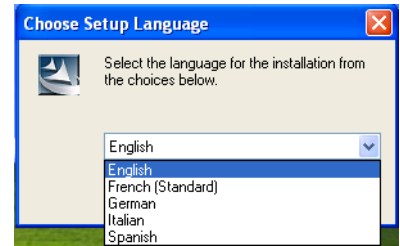
System Installation

- 1 Before you begin the installation, make sure that no EntraPass application is running.
- 2 Insert the software CD-ROM into the CD-ROM drive. The installation program should start automatically if your computer is configured to autorun. If the installation program does not start automatically, click **Start** > **Run**, then enter D:\Setup.exe (where D: is the CD-ROM drive) in the displayed field.
- 3 Before you go any further, you will be prompted to **Choose setup language**. English is selected by default.

NOTE: The setup (InstallShield) language cannot be changed later on if you need to perform an EntraPass update or install system components with a different language. If you must change the setup language, you have to remove and re-install the software.

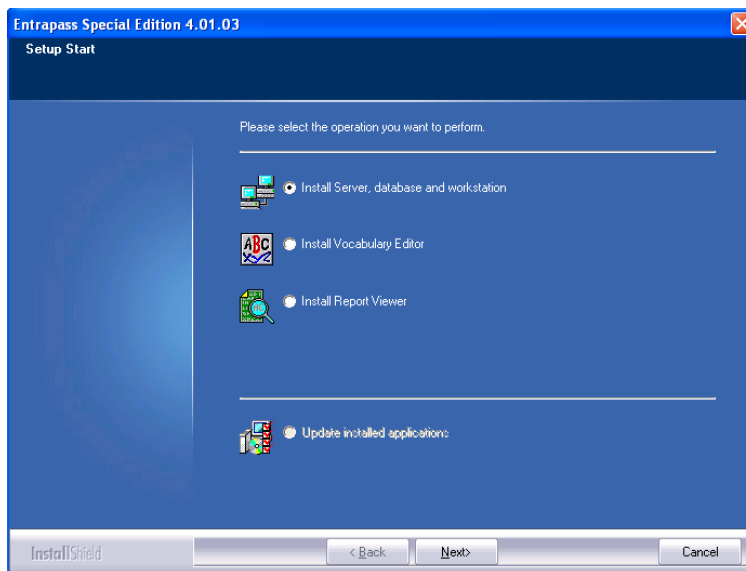
NOTE: The system and database language depends on the language you select when installing the software. For example, if you select "English", it will be the system default language at start up. The system and database language can be changed from the EntraPass Workstation.

- 4 Click **OK**. The Welcome screen will be displayed.



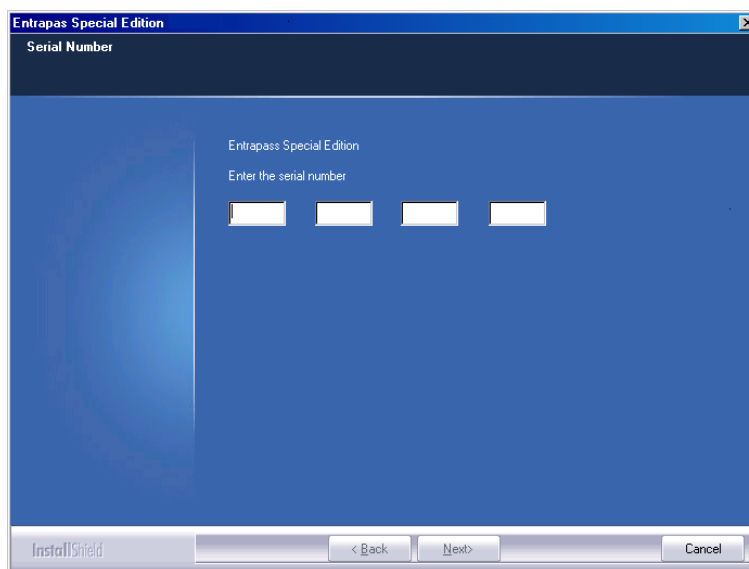
- All the installation windows look the same as the Welcome window.
 - You will notice the software version you are about to install is located at the top left.
 - The middle section of the window contains the instructions you will follow throughout the installation process. The instructions will be updated automatically when you click **Next**.

- **Back** and **Next** buttons are available at the bottom of the screen to allow navigating back and forth within the installation screens if you wish to verify or modify a parameter you previously setup.
 - You can **Cancel** the installation at any time.
- 5 Click **Next** to continue the installation. The Setup Start window will be displayed.

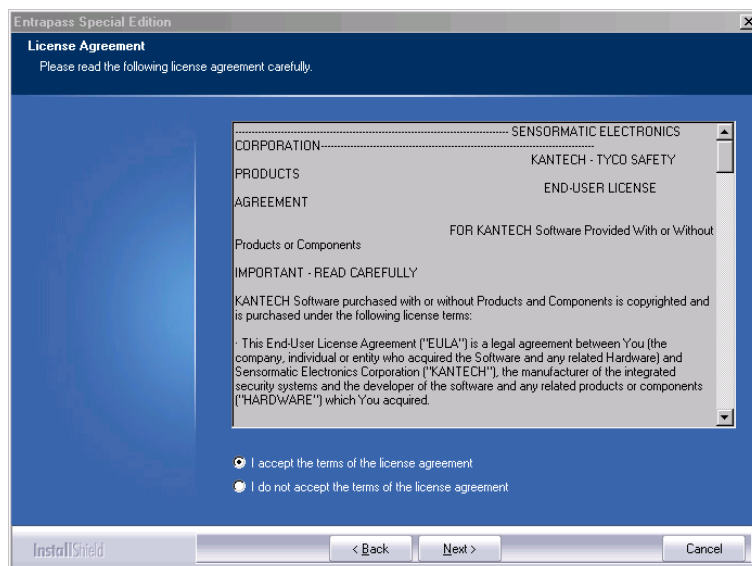


- 6 Select the operation(s) you wish to perform. The first set of options are for new installs and the last option is for updates. During the first installation, you will only be able to select one of the install options. We suggest that you install the first option in the list.
- **Install Server, Database and Workstation:** This option will install the EntraPass Special Edition system. It will be grayed out if the application is already installed on the machine.
 - **Update Installed Applications:** This option will be grayed out if the system has not been installed previously. To update your EntraPass system, see *"System Update"* on page 19.

- 7 Click **Next**. The Serial Number window will be displayed.



- 8 Enter the **serial number** for the EntraPass Special Server or Software. The information is located in the CD-ROM pocket. Make sure to enter the correct digits. The **Next** button is only enabled if the serial number is valid.
- 9 Click **Next**. The system displays the software End-User License Agreement.



- 10 Select **I accept...** if you understand and agree with the conditions described in the end-user license agreement or click **I do not accept...** to cancel the installation.



NOTE: You will not be able to complete the installation if you refuse the terms of the license agreement. The **Next** button will remain grayed out until you select **I accept...**

- 11 Click **Next**. The Customer Information screen will be displayed.

Entrapass Special Edition 3.19.04

Customer Information
Please enter your information.

User Name:
Kartech

Company Name:
Kartech Systems

Install this application for:

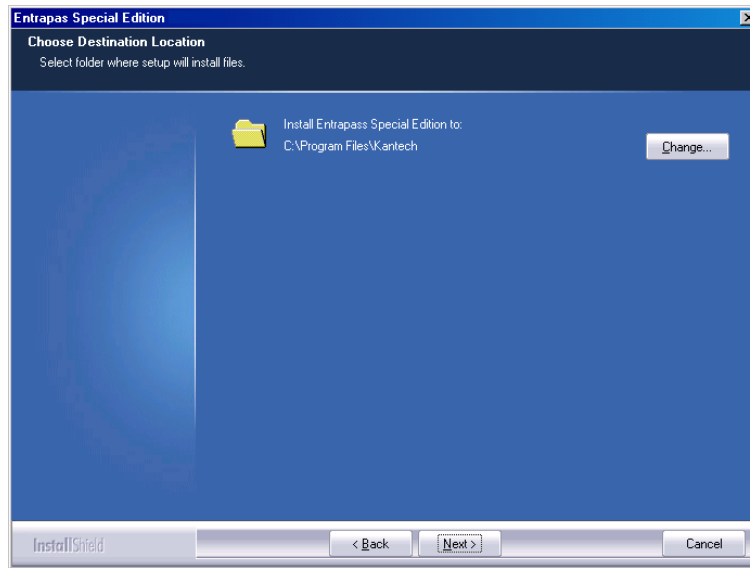
Anyone who uses this computer (all users)

Only for me (Kartech)

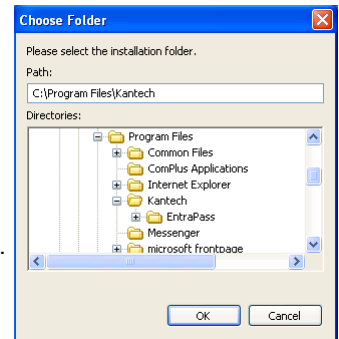
InstallShield < Back Next > Cancel

- 12 Enter the **User Name** and the **Company Name**.
- 13 Select the user type: **Anyone** who will use this computer or **Only** the person currently logged in and registered in the system.

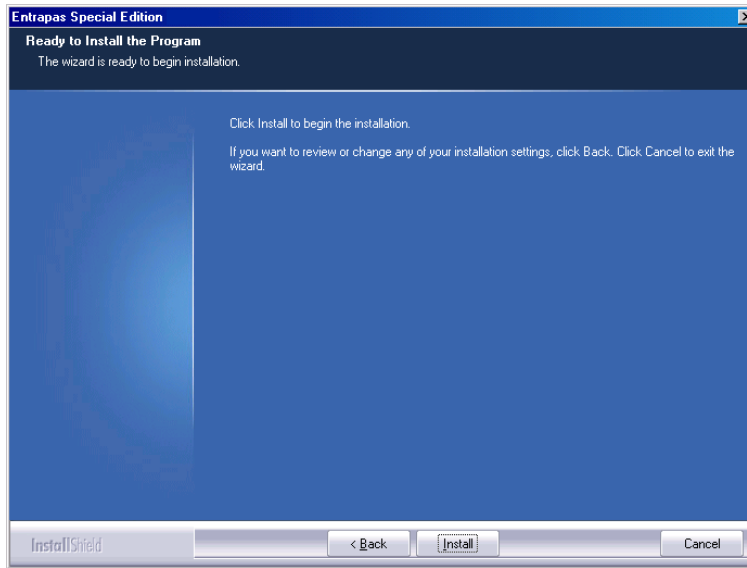
- 14 Click **Next**. The Choose Destination window will be displayed.



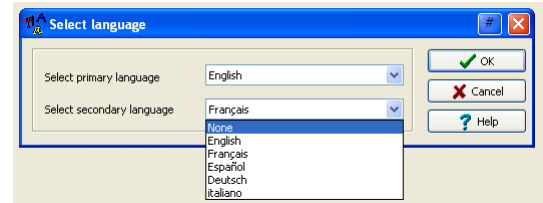
- 15 You can keep the selected directory and click **Next**, or select another one.
- If you want to change the directory where to install the application, click **Change**. The Choose Folder dialog will pop up where you can select the new installation directory.
 - Type in the destination directory where you want to install EntraPass or double-click the directory structure all the way down to the destination directory. Then, click **Ok**. The path will be indicated in the Choose Destination Location window.



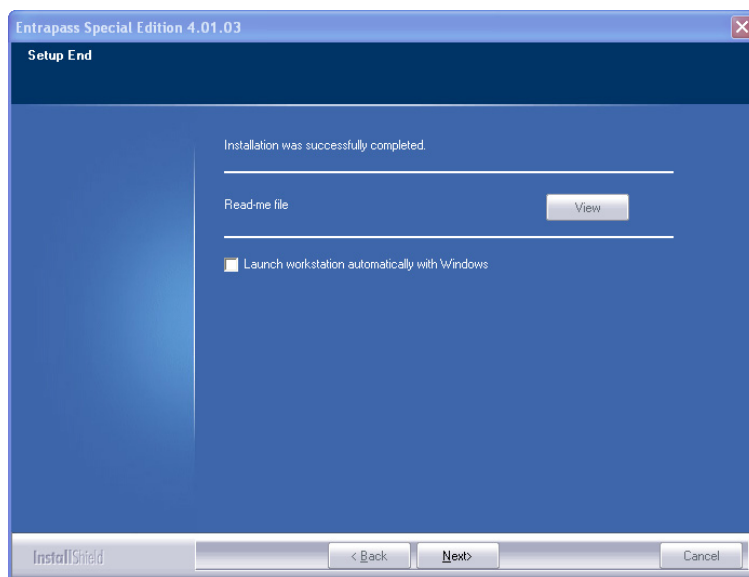
- 16 Click **Next**. The Ready to Install the Program window will be displayed.



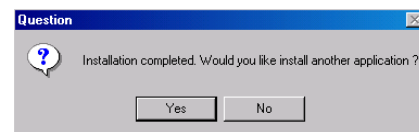
- 17 If you need to review the parameters you've setup, click **Back**. If everything is ready for the installation, click **Next**. The installation will begin.
- 18 During the installation process, you will be prompted to **Select the primary and secondary languages**. This will define the language used to build the database and the languages used to run EntraPass.
- 19 Click **OK**. The installation will continue.



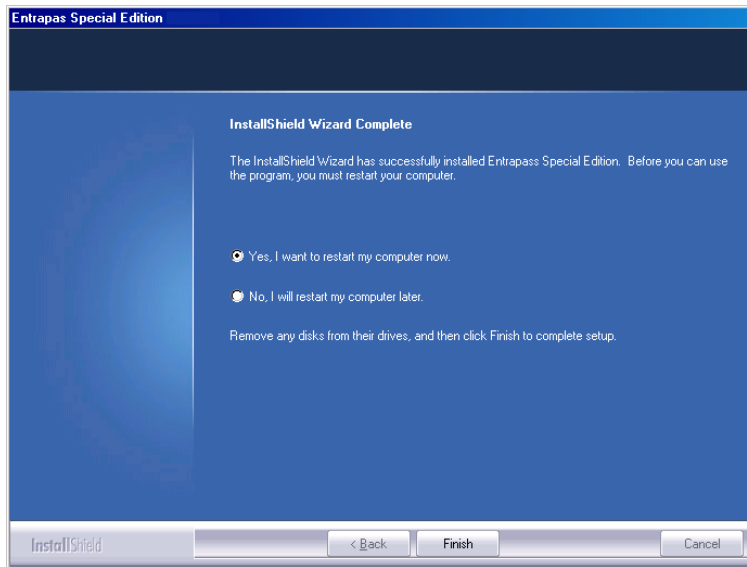
- 20 Once the options are completed, the system will prompt you to consult the **Read Me** file.



- 21 Click **Next**. The system will verify if there are any other applications or utilities you can install. If this is the case, the following message will popup on screen:
- If you want to install other applications, click **Yes** and start over at number 4.



- If the installation is completed and you do not wish to install other applications, click **No**. The InstallShield Wizard Completed window will popup:



- 22 You can select to restart your computer at this time or do it later.
- 23 Remove the CD-ROM from the CD-ROM drive.
- 24 Click **Finish** to complete the installation.



NOTE: You must restart the computer after the installation.

System Update

When you update your software, the system automatically detects the components that are installed and updates them.

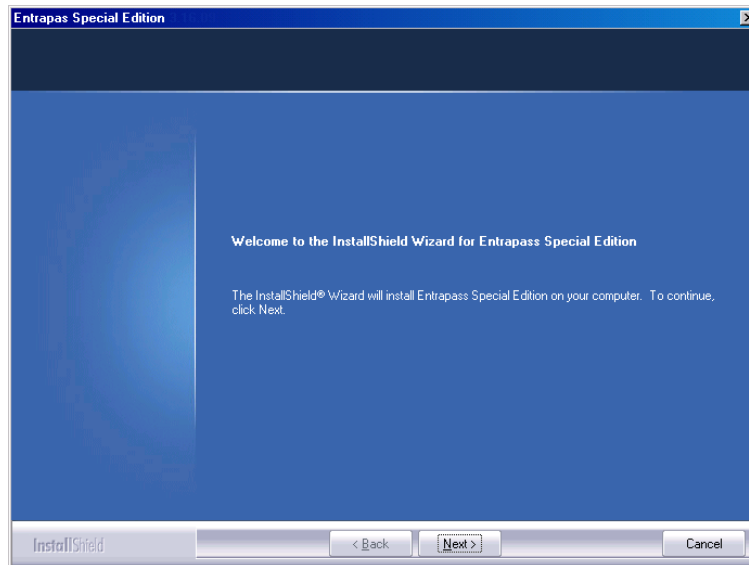
It is highly recommended to update your system when the system is at its minimum use (Friday night, for example.)

Before Updating Your Software

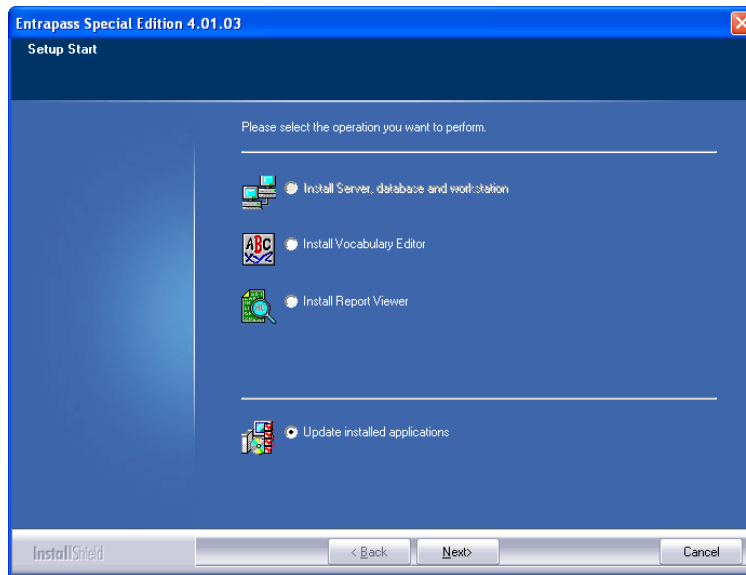
- 1 Perform a **complete backup of your system database**. For more information on how to perform a backup, see *"Backups"* on page 341.
- 2 Verify the system database (see *"Database Utility"* on page 348) to make sure that no errors are detected.
- 3 Once all applications have been updated, we strongly recommend that you reload the gateways to ensure that all data will be refreshed and sent to controllers (**Operations > Gateway reload**).

Updating Your Software

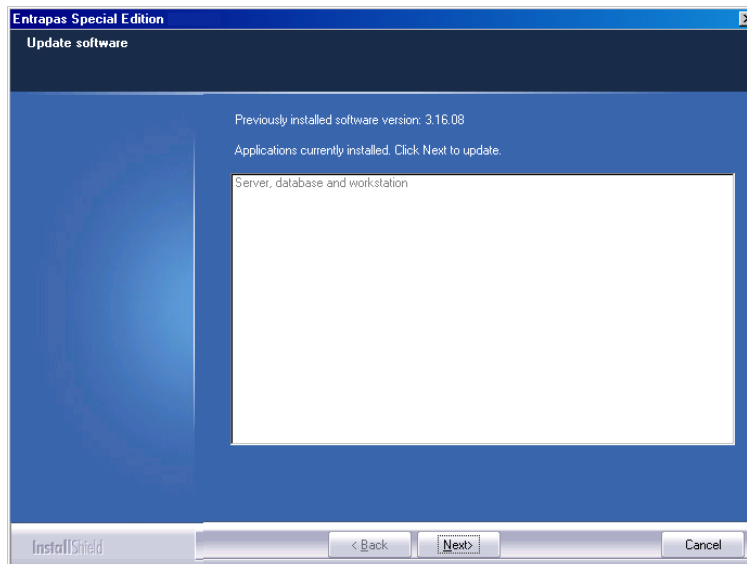
- 1 Insert the software installation CD-ROM into the CD-ROM drive. The installation program should start automatically if your computer is configured to autorun. If the installation program does not start automatically, click **Start > Run**, then enter d:\Setup.exe (where d: is the CD-ROM drive) in the displayed field. The system displays the installation setup window.
- 2 Click **Next**. The Welcome window will be displayed.



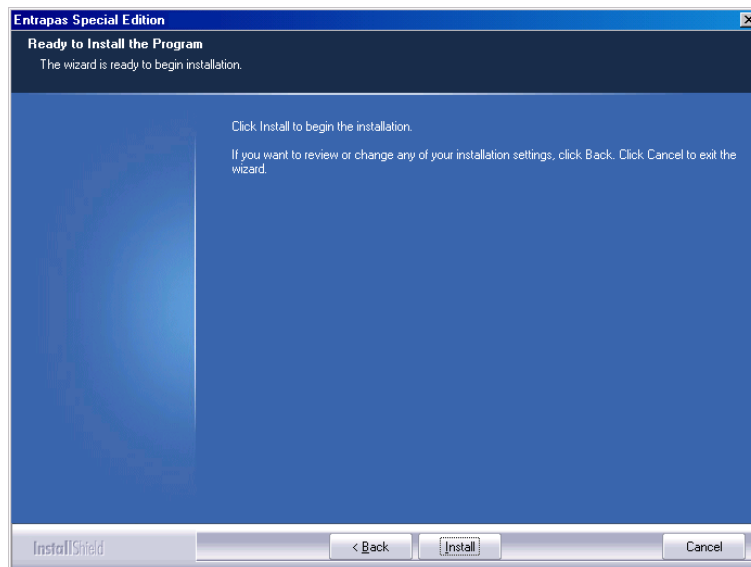
- 3 Click **Next**. The Setup Start window will be displayed.



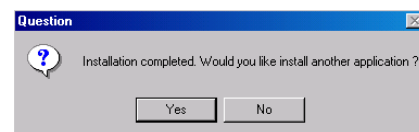
- 4 Select **Update Installed Applications** and click **Next**. The Previous Software window will be displayed, listing all the software that are currently installed on your machine.



- Click **Next** to continue. The update will start and all programs currently installed on your machine will be updated.

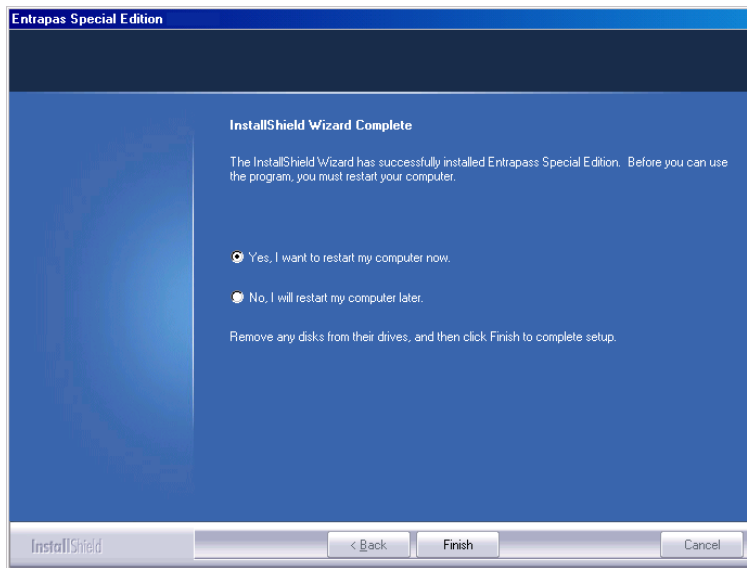


- Click the **View** button to read the Read-Me File that contains information on the updates that were done to the different applications. When you are done with this file, close it. You will automatically return to the Setup End window.
- Click **Next**. The system will verify if there are any other applications or utilities you can install. If this is the case, a message will popup on screen:
 - If you want to install other applications, click **Yes** and start over at number 2.





- If the installation is completed, click **No**. The Maintenance Completed window will popup:



- 8 You can select to restart your computer at this time or do it later.
- 9 Remove the CD-ROM from the CD-ROM drive.
- 10 Click **Finish** to complete the installation.

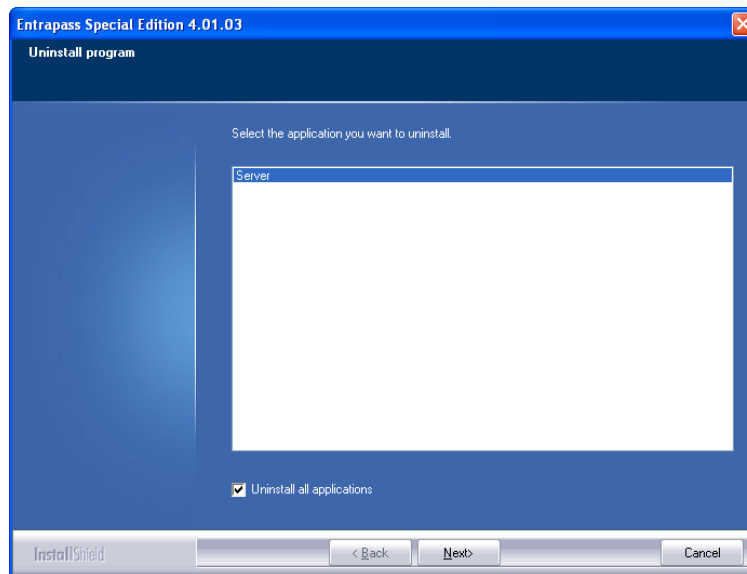


NOTE: After the update, you must restart the computer in the order prescribed at the beginning of this chapter, see "Before Updating Your Software" on page 19.

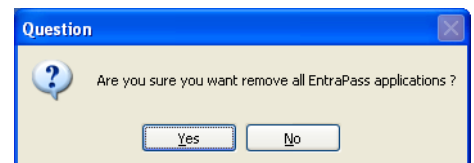
The EntraPass Software Removal

If you need to remove the EntraPass software from the computer, you will use the **Add/Remove Programs** option in the Control Panel.

- 1 Click **Start > Settings > Control Panel**.
- 2 When the Control Panel is opened, click **Add/Remove Programs** to open the dialog.
- 3 Select the program you want to delete from the list and click **Remove**. The EntraPass Uninstall program dialog will display on the screen.

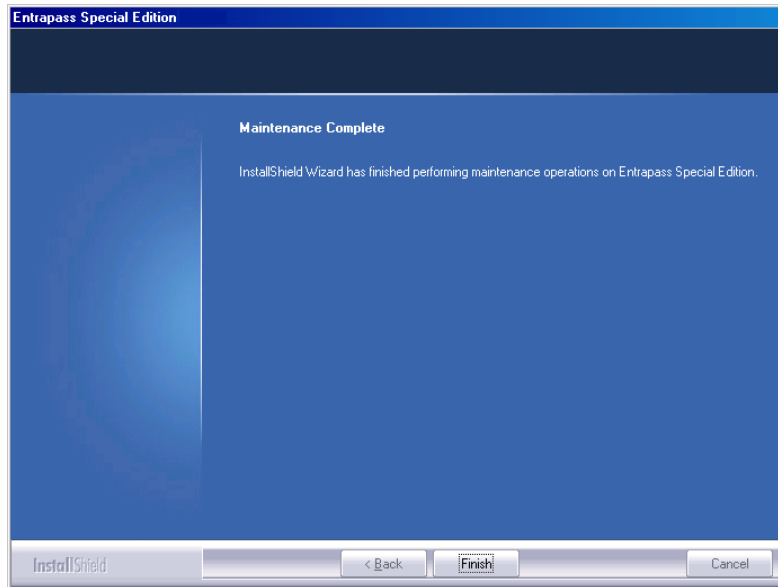


- 4 Select the application you want to uninstall. If you want to uninstall EntraPass completely, check the **Uninstall all applications** box.
- 5 Click **Next**.
- 6 Before you go any further, the system will prompt you to confirm.
 - Click **Yes** if you want to continue the uninstall process.
 - Click **No** if you want to cancel the uninstall process.





- 7 When the uninstall process is completed, the Maintenance completed dialog will display on the screen.



- 8 Click **Finish** to exit the wizard.
- 9 Restart your computer.

Chapter 3 • Getting Started

This chapter introduces operators to the EntraPass system graphical user interface and basic functions.

To start an EntraPass session, you only have to start the Entrapass Workstation



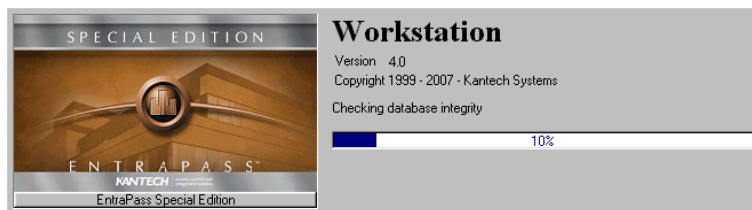
NOTE: *All authorized system operators must have a unique and confidential login name and password that should be assigned by the system installer/administrator. It is very important to restrict access to the EntraPass workstations to authorized personnel only.*

Session Start and End

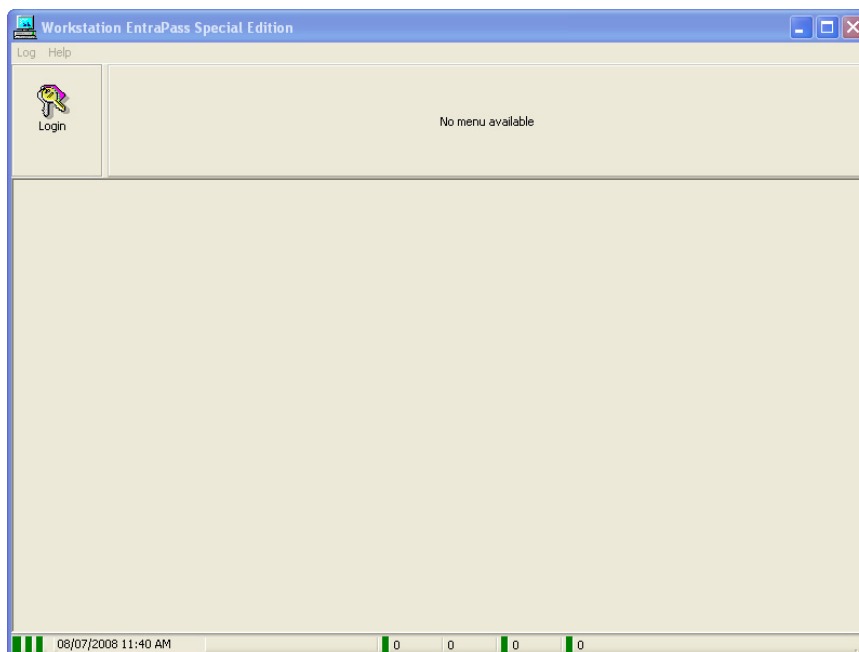
Starting the EntraPass Workstation

An EntraPass workstation is a computer where the EntraPass monitoring application has been installed. It enables operators to access and program the system database and components.

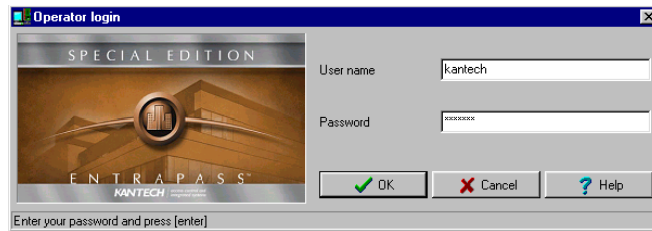
- 1 Start EntraPass workstation (from Windows® **Start** menu or from the EntraPass desktop icon).



- 2 The EntraPass Workstation main window will display on screen.



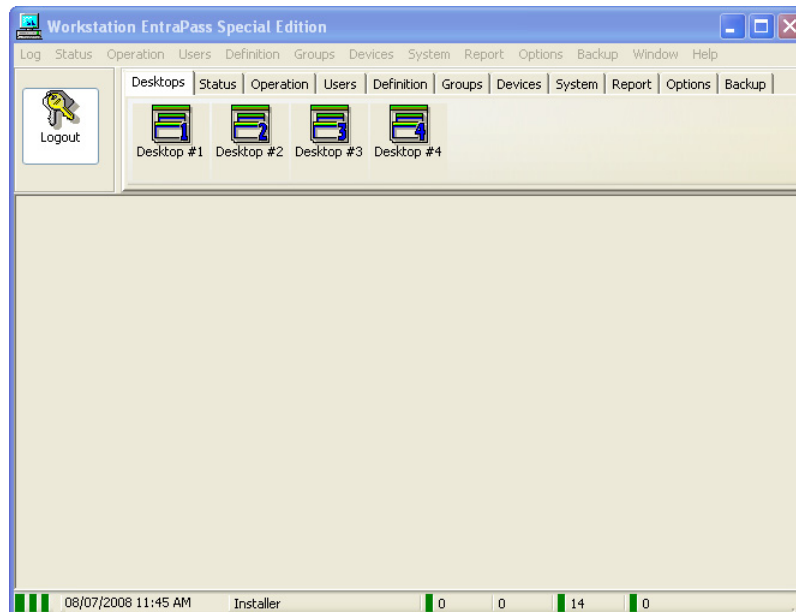
- 3 Click the **Login/logout** button on the toolbar to access the Operator login dialog.



- 4 Enter your **User name** and **Password**. The password is case sensitive. The default **User name** is kantech. It is not case sensitive. The default **Password** is kantech, in lower case; it is case sensitive.



NOTE: If you cannot login properly, check if the Caps Lock key on your keyboard is activated. When proper login data have been entered, the system menu, toolbar and status bar are enabled. Also, the server must be running if you want to be able to log in the system.

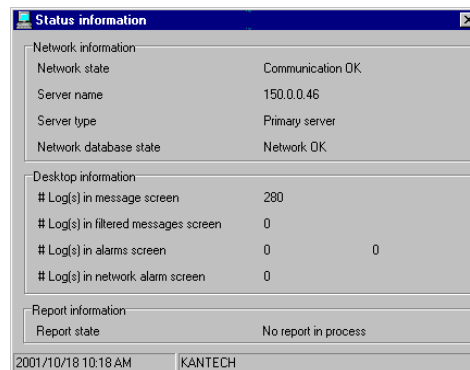


Accessing Information on the Workstation Connection Status

- 1 Click any tab to access the system toolbar or select a menu item to access the system menu. In the lower part of the window, color-coded flags indicate the communication status: Green, communication is OK; Red: communication problems; Blue: a report is pending.
- 2 Move the cursor over the colored rectangles to show details about the network status, the network database status and the workstation application report status.
- 3 Move the cursor over the displayed numeric values to show details. It will indicate, in order, the system date and time, the operator's name, items in the Alarms desktop, alarms to be acknowledged, etc.
- 4 Double-click (or single click, depending on your system settings) any number in the status bar to display the Status information window.

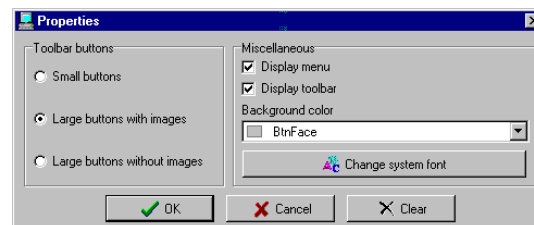


NOTE: It is recommended to use the **Login/logout** button when you exit EntraPass programs. This ensures that the system databases are shutdown properly.



Modifying your Work Area Properties

- 1 Right click anywhere in the main window to display the Properties window. It allows you to customize the window buttons as well as the background color.
- 2 To modify the size of the toolbar buttons, select one of the following:
 - **Small buttons:** small buttons are displayed below menu items
 - **Large buttons with images:** components icons are displayed on large buttons
 - **Large buttons without images:** no icons are displayed
- 3 In the Miscellaneous section, make the appropriate choice:
 - **Display menu:** only the menu bar appears. No icons are displayed. Right-click the work area to modify the properties.
 - **Display toolbar:** the menu bar and the toolbar are displayed.
- 4 Select a background color for the work space.



Express Setup

Express Setup allows you to configure system components such as sites and controllers, as well as devices associated with these components such as doors and inputs. This utility reduces programming to a minimum, allowing the installer to test the installation and system components. You may use it to configure a site or to define controllers associated with a site.

When used to configure a site, it allows installers to associate this site to a gateway. It also allows installers to configure the site rapidly, giving minimum configuration information about the controllers connected to it.

You may launch Express Setup from Windows® Start menu: **Start > All Programs > EntraPass Special Edition > Express Setup** or by clicking the **Express Setup** icon from a number of EntraPass workstations' windows.

When used to configure a controller, it allows operators to assign default values to a controller and to its associated devices (input, relays and output). In this case, it is launched from a system message box or from a controller definition menu.



NOTE: *You have to login to the workstation when you launch Express Setup. In fact, as the program allows you to modify the system devices configuration, it is essential to authenticate yourself before proceeding with any modification.*

For details on Express Setup, see "Express Setup Program" on page 362.

System Stand-Alone Utilities

Entrapass includes a number of stand-alone utilities that allow operators to perform a variety of tasks including verifying the system database or changing the system language. The following is a list of Entrapass stand-alone utilities:

- **Database Utility:** This program is intended to re-index archived files, update database fields, verify archived files, verify the database integrity, verify the database index, verify the database links and verify the database hierarchy.
- **Express Setup:** Program used to configure all the components related to a gateway including the type of readers used, type of connection, number of sites, number of controllers in a site, etc.
- **KT-Finder:** Program used to configure locally or remotely Kantech IP devices such as the Kantech IP Link, the KT-400 Ethernet Four Door Controller and the KT-NCC Network Communications Controller (**Note**).

NOTE: *The KT-NCC Network Communications Controller is only available with Entrapass Global Edition.*












- **System Report Viewer:** Program used by the operator to view reports without having to start a Workstation. When this utility is installed, operators can view reports sent by other workstations using the Entrapass e-mail feature.
- **Vocabulary Editor:** Simple and easy program used to translate the software in the language of your choice.

These utilities may be launched from the Windows® Start menu of any computer where Entrapass is installed. For details on Entrapass stand-alone utilities, see "*System Utilities*" on page 347.


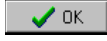




EntraPass Dialogs Toolbars

EntraPass dialogs display most of the following buttons. They are an easy way to access the system functions. Usually, a “hint” is displayed when you move the cursor over an icon.

You may access the toolbar from any EntraPass dialog window. Icons vary according to the window that is open. Most of the icons are similar to icons you are familiar with and that are used in the computer industry.

Icon	Description
	The New icon is used to insert new information in the system database. This may be adding a site, a schedule, a controller, etc.
	The Save icon saves all the information you have entered since the last save. Information is saved directly in the system.
	The Save As icon allows operators to save all of the information of an existing component under a new name without affecting the original component. When using this option while issuing a card, it allows you to create a new card or save under a new card number without having to modify the information of the original card.
	The Delete icon is used to delete the currently selected record. As a security against accidental deletion, a warning is displayed prompting you for confirmation. When a component is erased, all links with other items are erased as well. However, the records (archives) are kept in the database after an item is erased.
	The Print icon: depending on which menu you are working in, the Print button can be used to print reports, card lists, event parameters, etc.
	The Parent icon allows operators to display their search in a hierarchy or to divide searches by gateways, site and controller (according to the menu). This button becomes useful when the system database increases in size; you can find a specific item by selecting its parent items.
	The Link icon enables operators to see all instances of an item in other menus. For more information, see <i>"Displaying Components Links"</i> on page 39.
	The Find icon allows operators to find a specific item or component in the system database by using a specific character string. For more information, see <i>"Finding Components"</i> on page 33.
	The Express Setup icon allows installers and system administrators to configure system devices by assigning default settings.
	The Close icon is used to close a menu or a sub-menu. If you forget to save your information before closing a menu, the system displays a window prompting you to confirm the “save” operation before closing the menu.
	The Cancel icon is used to cancel all modifications that were made since the last time a valid save was performed. The system will prompt you to confirm the operation.



Icon	Description
	<p>Use the Help icon to view the help content on a specific subject.</p>
	<p>The OK icon is used to save and accept the modifications, additions or deletions made to a record in the database of the system.</p>
	<p>The Select all icon is used to select all the items or components displayed in a list.</p>
	<p>The Unselect all icon is used to unselect all the items or components that were previously selected in a list of choices.</p>
	<p>In several system windows, operators have access to graphic and animation buttons. These buttons are particularly useful when you want to display the status of a component before performing an operation on that component.</p> <p>The Enable graphic icon is used for example in the Status menu and in the Operations menu. When enabled, this button displays the image related to the selected component (i.e.: door) and displays also the associated components (i.e.: reader). To display components in real-time, this button must be used with the Enable animation button.</p>
	<p>The Enable animation icon: when enabled, this icon automatically enables the Enable graphic icon. This activates the current component (i.e.: door) and displays its status in real-time. For example, if you wish to lock a door which was previously unlocked, the reader's image (also visible) will be modified; the green dot will change to red.</p>
<p>Right-click</p>	<p>Right-click allows operators to enable a shortcut menu from which they can choose a specific command depending on the active menu.</p>

Basic Functions

Following are the basic system operations:

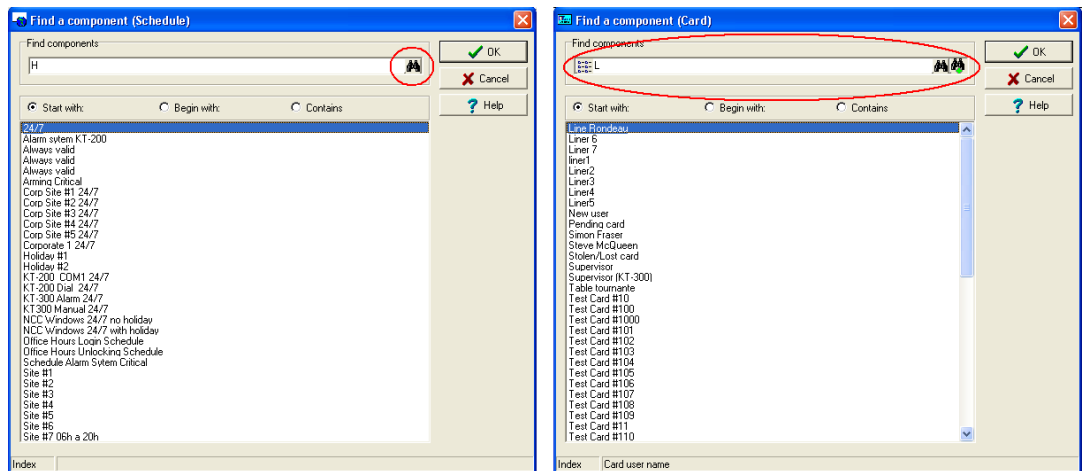
- Find components
- Select components
- Print lists or reports
- View links between components

Finding Components



The Find Components function allows operators to find a specific item or component in the system database by using a specific character string.


There are two types of Find Components dialogs: One that can be accessed from any EntraPass window toolbar; One that will be accessed through all the dialogs that pertain to users (Cards, Visitor Cards and Daypasses).

- 1 In both cases, you must click the binoculars button in the toolbar to open the Find component dialog.

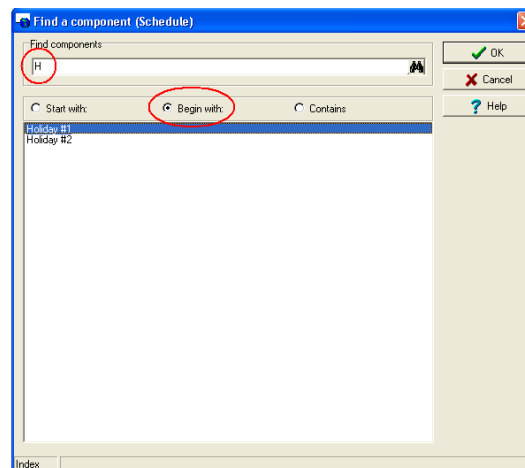
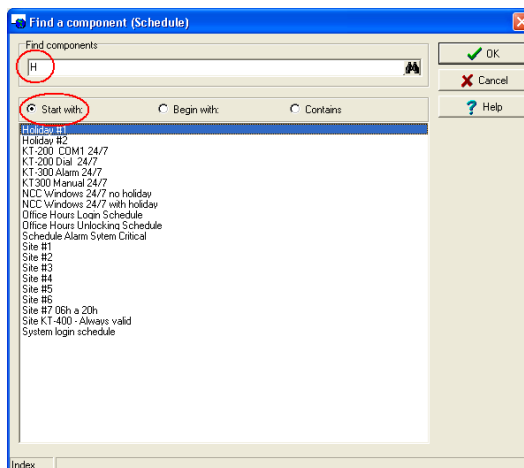


- The window on the left is used to find components and the window on the right is used to find cards.

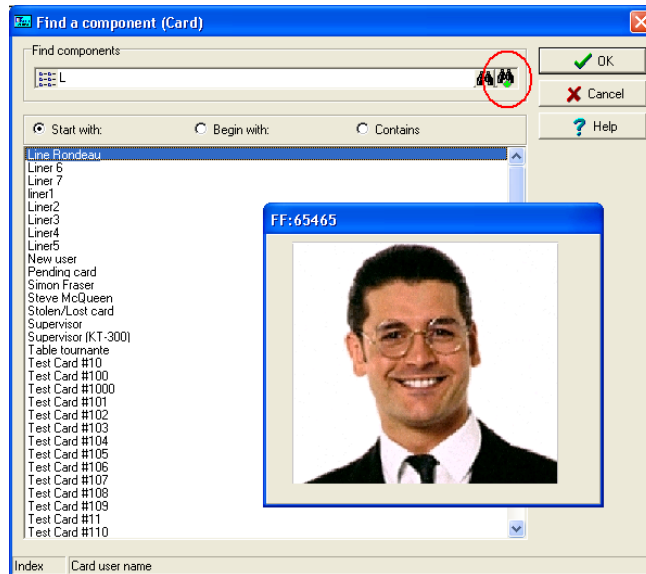
Icons	Description
	Will search the database for components or cards.
	Will search the database for the picture that corresponds to the card you selected in the list.

Icons	Description
	Will open a menu where you can select which card index you want to search on (card number, cardholder name, card information fields, etc.).

- To start a search, enter a keyword and click the binoculars on the right. To reduce the search results, check one of the boxes:
 - Start with:** Results will list all components that start with the one you have just entered, in alphabetical order, and will include the rest of the list of components available in the database.
 - Begins with:** Results will list only components with name that start with the text you specified.
 - Contains:** Results will list all components that contain the text you specify.



- If you want to view the picture that corresponds to the card selected in the list, click the binocular with a plus sign button.



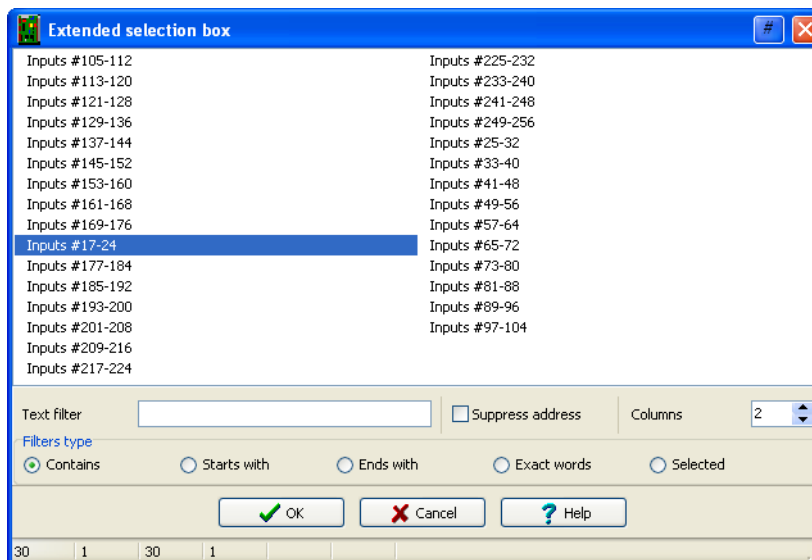
- To cancel a search in progress, click the **Cancel** button.
- Click **OK**. The selected component in the list will be displayed in the dialog where you initiated the search.

Using an Extended Selection Box

An extended selection box allows you to view all components of a drop-down list by right-clicking on the list. This option is available where a drop-down list exists for components such as applications,



controllers, and doors. If the option is available, a hint box is displayed when the cursor is placed over the drop-down list.



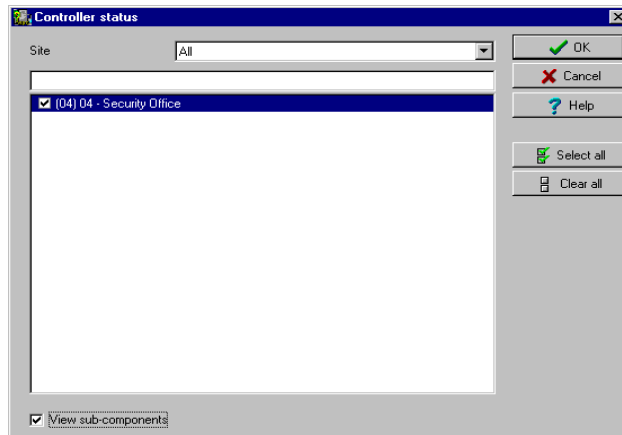
- Available **Filters types** in the extended selection box are:
 - Contains
 - Starts with
 - Ends with
 - Exact words
 - Selected
- You can also enter specific words in the **Text filter** field to locate a specific item.
- You can choose to **Suppress the address** in the search results.
- You can also set the number of **Columns** for search result display.

Selecting Components

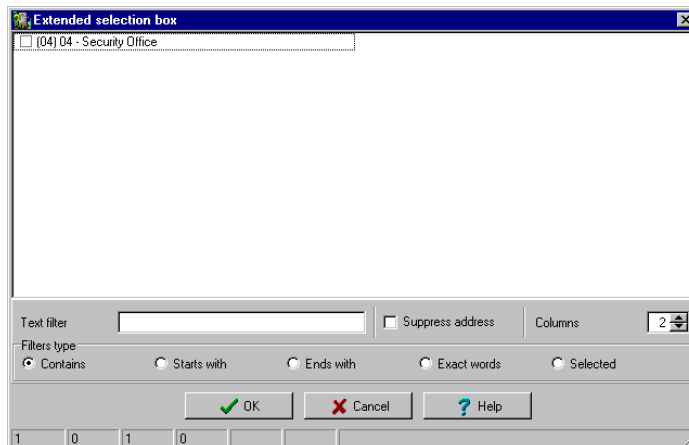
The **Component selection** function allows operators to select one or more system components. The method employed may be context sensitive.

- 1 From the active window, click the **Select Components** button. It opens a secondary window from which you may select appropriate options.
- 2 You may need to check options that are displayed or use the **Select All** button (left) to select all the displayed options. You may also select **Single** to view components that are not grouped or select **Group** to view the existing groups.
- 3 From the displayed list, select the component/group you want to display. You may check the **View** option to display the components associated with the selected components.

- 4 Where available, use the **Select all** button to select all the components, or use the **Clear all** button to remove the check marks from the selected components. Click **Cancel** to return to the previous window without any selections or changes.
- 5 Another selection method may be used as displayed in the following Controller Status window. Right click inside the window to display an Extended Selection Box with a complete listing of components.



- 6 Set the required number of columns in the Extended Selection box window to display all components as required. A **Text Filter** may be employed to limit the listing.



- 7 Click **OK** to apply selections and return to previous window.

Selecting a specific folder

You may need to browse through the hard drive to locate a specific folder for backups, for example.



- 1 From the active window, click the **Select** button (it is identified by "..."). It opens a secondary window from which you may select a specific folder.
- 2 To change the destination folder, browse the Drives drop-down list (lower part of the window). You may click the **Refresh drive** list to make sure that the displayed list is up-to-date.
- 3 Once you locate the folder you are searching, click **OK** to go back to the active window.

Selecting a Specific Site

EntraPass offers you the ability to associate a specific component with a specific site. For example, you can define a specific holiday for a specific site.

- 1 From an active window, click the **New** icon. The system displays the Select Site window.
- 2 Double-click a Site from the displayed list, then click **OK**.
- 3 Assign a meaningful name to the component being defined.
- 4 Follow the steps to complete the task.

Printing a List or a Report

Operators may need the Print function to:

- Print a list of cards
 - Print event parameters
 - Print event-relay association
 - Setup a report for printing
- 1 From any EntraPass window, click the **Print** icon.
 - 2 Select the components you wish to include in your list. You can use the **Select all** button (if available) to include all the displayed components in the list.
 - 3 When you select **Print empty fields** option (if available), the list will include the titles of the fields even if they are empty.
 - 4 When you have finished selecting the fields, you can preview your list before you actually print it. When you preview the list, you can:
 - Define the printer setup
 - Print a hardcopy of your report or list
 - Save the report or list for later use with the **Quick Viewer** program or load an existing report. For more information on this program, see *"Quick Report Viewer" on page 369*.
 - 5 If you want to modify the settings, close, modify and print your list.
 - 6 You can use the **Font** button to select a specific font and font size for your list.
 - 7 To select or modify a font selection:
 - Select the font type from the Font menu. A preview of your selection will be displayed in the Sample box.
 - Choose the formatting attribute from the **Font Style** menu (regular, italic, bold or bold italic).
 - Enter the font size from the Size menu (10 or 11 is a default). The smaller the font, the more items appear on your list.



- 8 You can also select a color from the **Color** menu (black is a default). The changes appear automatically in the sample box. Click on **OK** when you are done. Use the **Preview** button from the Print window to preview your output before printing.



NOTE: If there is no printer configured for the computer, an error message appears.

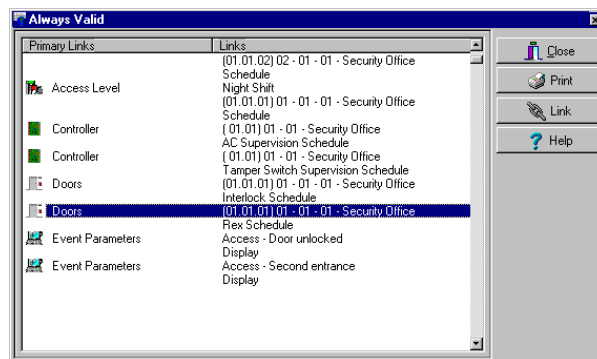
Displaying Components Links

The **View links** function allows you to view all instances of an item within other menus. Therefore, it is possible to see all links an item has with other items.



NOTE: You can use the **View links** button before you delete a component from the database in order to see which menus will be affected by the deletion. You can also print the links of a selected component.

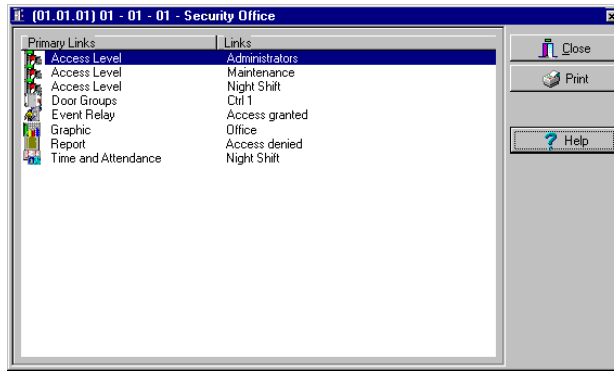
- 1 From any menu window, select a component and click the **Link** button. All the components that are associated with the selected component are displayed.
- 2 The icons that are located on the left side of the components indicate the component type. For example, if you select the **Always valid** schedule (in the Schedule definition menu) and click the **Link** button, the system will display a list of all the menus in which this schedule is used.



NOTE: In the highlighted example, the **Always valid** schedule is used as the **REX** (Request to EXit) schedule in the Door definition menu. You can right-click an item to select a category. For example, if you right-click and select Access levels, only the access levels in which this schedule is defined are displayed.



- To view the links of the selected door with other components of the system, select the door, then click the **Link** button again:



- All system components that are associated with the selected door appear. In this example, the “door” is used in the Administrator access level; users granted this access level are allowed access to the selected door.
- Click the **Print** button to print the information displayed on the screen.

Chapter 4 • System Devices

After the installation of the system hardware and software, you have to configure the access system devices. These include software components (Entrapass applications) and physical components (controllers, relays, doors, etc.).



NOTE: *It is recommended to use the Express Setup program to save configuration time and to prevent setup errors. In addition, using Express Setup allows you to test the hardware and wiring immediately after the installation.*

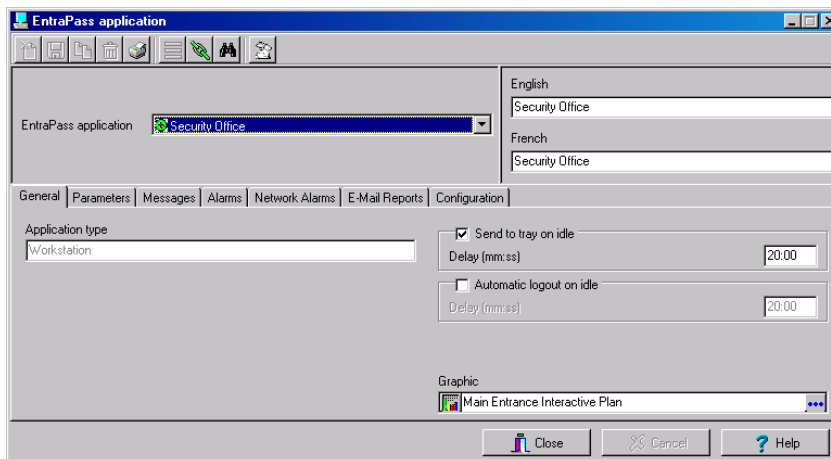
You run the **Express Setup** program when you are configuring sites or controllers for the first time. You may run the Express set up utility by clicking its icon in Entrapass windows. For detailed information about using the Express Setup program, see "*Express Setup Program*" on page 362.

EntraPass Applications Configuration

EntraPass Special Edition application is a single-workstation software.

Configuring an EntraPass Application

- 1 From the EntraPass main window, select the **Devices** tab, then click the **EntraPass applications** icon. The EntraPass applications main window appears.



- 2 From the **EntraPass application** drop-down list, select the application you want to configure. This list displays all EntraPass applications that have been installed. The **Application type** drop-down list displays the type of the selected item.
- 3 Assign a name to the selected EntraPass application. If you are running the software in two languages, for example in English and French, you may assign a name in English and in French.
- 4 Click the **Save** button to activate the new application.

Defining General Parameters

The **General** tab allows you to specify the system behavior when the operator is inactive, that is when there is no action on the keyboard (idle time).

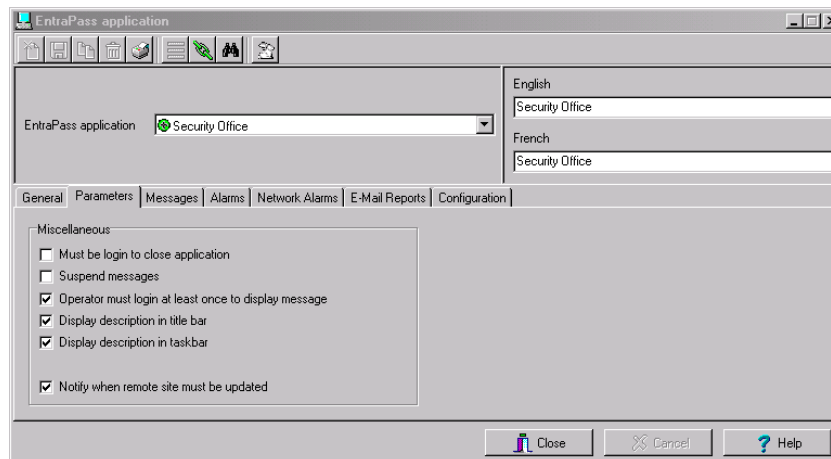
- 1 For added security, specify the system behavior when the operator is inactive. This feature provides additional security to prevent access to the system by an unauthorized person. The default delay is 20 minutes. You may keep the default delay or change it.
 - Select the **Send to tray on idle** if you want the EntraPass applications to be minimized when there is no action on the keyboard. If you do this, you have to specify the period after which the application will be minimized if there is no action on the keyboard: in the Send to tray on idle, enter the delay after which the EntraPass applications will be minimized and sent to the task bar.

- Select the **Automatic Logout on idle** option if you want the EntraPass applications to logout when there is no action on the keyboard. If you do this, you have to specify the period after which the application will be minimized: in the Automatic logout on idle enter the delay after which the Operator will be automatically logged out, (the option has to be checked).
- 2 From the **Graphic** list, you may select the graphic to which the EntraPass applications is assigned, if applicable. For details on defining graphics, see *"Graphics Definition" on page 115*.

Defining Security Parameters

This section applies to all EntraPass applications: EntraPass Workstations

- 1 From the EntraPass applications window, select a workstation and move to the **Parameters** tab.

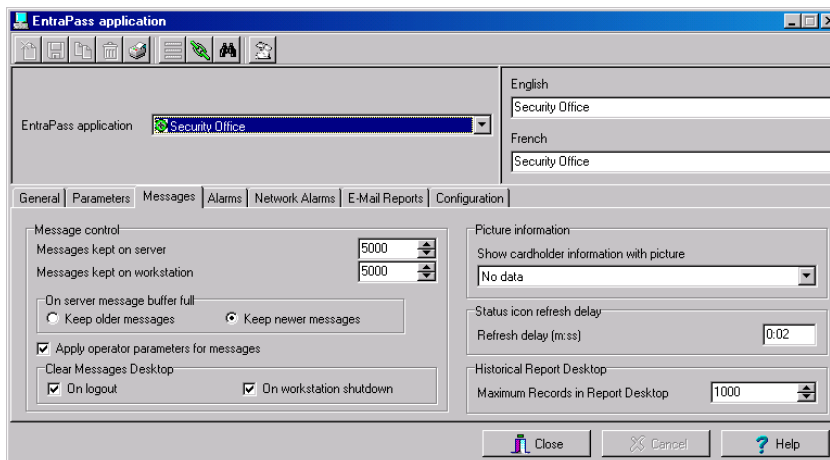


- 2 Make the appropriate choices:
 - **Must be login to close application:** checking this option will oblige operators to login before they exit an EntraPass program.
 - **Suspend messages:** if this option is selected, all incoming messages for this EntraPass applications will be suspended. Use this option for an EntraPass workstation that is used only to configure components or when messages are not required.
 - **Operator must login at least once to display messages:** checking this option will oblige the operator to login at least once with a valid username and password before system messages can be viewed.
 - **Display description in title bar:** check this box to display EntraPass applications description in the window titlebar (top).
 - **Display description in taskbar:** check this box to display EntraPass applications description in the window taskbar (bottom).
 - **Notify when remote sites must be updated:** check this option to tell the system to send a notification before updating remote sites. When this option is enabled, operators will receive a notification before updating site communicating via a modem. If this option is

selected, operators will receive a notification each time data related to sites (such as schedules, controllers, etc.) are modified. They will have the choice of updating remote sites (**Yes**), refusing the change (**No**) or clicking **Details** so that they can select specific sites to be updated.

Defining Message Controls

- 1 Click the **Messages** tab to define how messages should be processed in the module.



NOTE: Messages desktops are configured in the Desktop definition menu. For details, see *EntraPass Desktops* on page 255.

- 2 In the **Message control** section:
 - Specify the number of messages that will be **kept on the server** when the EntraPass workstation is off-line, that is, when it is not connected to the module. The module buffers a maximum of 100,000 messages per EntraPass workstation (default: 5,000).
 - Specify the number of messages that will be **kept on the workstation**. There is a maximum of 100,000 messages per EntraPass workstation. By default, it keeps 5,000 messages.



NOTE: The EntraPass workstation will always keep newer events. To view older events, you have to request a historical report. For details on requesting reports, see *Reports* on page 285.

- 3 Specify if the Server should keep newest or oldest messages when its buffer reaches the defined maximum number:
 - **Keep older messages:** The module will keep the oldest messages and archive the newest messages when the EntraPass workstation is off-line and when the Server buffer is full.
 - **Keep newer messages:** The module will keep the newest messages and archive the oldest messages when the EntraPass workstation is off-line and when its buffer is full. Messages are processed on a first in - first out basis.

- 4 You may want to create exceptions to the EntraPass workstation configuration by checking **Apply operator parameters for messages** options. When this option is enabled, operator settings have priority over EntraPass workstation settings.



NOTE: If the **Apply operator parameters for messages** option is selected all events will be filtered according to the EntraPass workstation configuration, and filtered again according to the security level of the operator who is currently logged on the EntraPass workstation. If the “Apply operator parameters for messages” option is selected and no operator is logged in, or the EntraPass workstation is off-line, events will NOT be buffered by the system.

- 5 In the **Clear Message Desktops** section, specify when messages should be cleared:
 - **On logout** (on a regular logout by an operator)
 - **On workstation shutdown** (when the EntraPass workstation is completely shutdown)
- 6 In the **Picture information** section, select the field content that will be displayed below the cardholder picture. The **Show cardholder information with picture** drop-down list contains 10 definable fields (Card information 1, Card information 2, etc.).

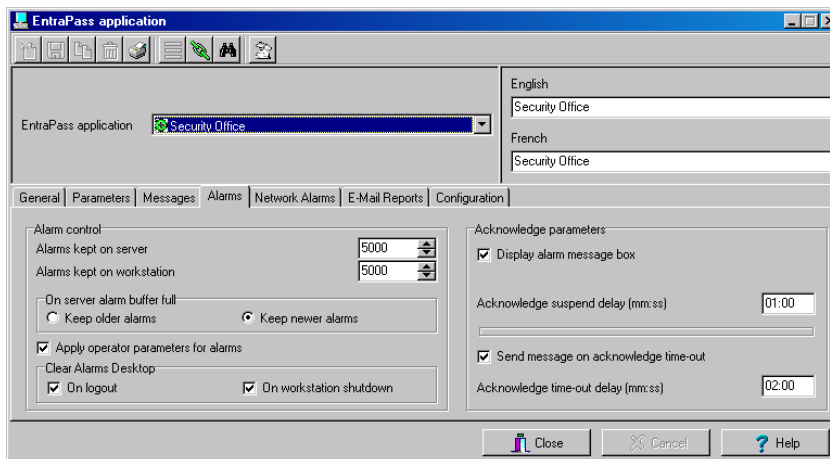


NOTE: By default, the field displays “card information #1” to “card information #10”. These labels may be customized. For more information on renaming card information labels, see “Customizing Card Information Fields” on page 149.

- 7 In the **Status icon refresh delay** section, specify the time interval at which the EntraPass applications refreshes the condition reported by the status icon visible in the status bar. Refresh delays range from 0.01 to 4.59 sec. in increments of 0.01 sec.
- 8 You can define the **Maximum Records in Report Desktop** that can be retrieved from archived files and displayed on screen. The maximum is 200,000.

Defining Alarm Controls

- 1 Click the **Alarms** tab to define how alarms should be processed.



NOTE: Alarms desktops are configured in the Desktop definition menu. For details, see *EntraPass Desktops* on page 255.

- 2 In the **Alarm control** section:
 - Specify the number of alarms that will be **kept on server** when the EntraPass workstation is off-line, that is, when it is not connected to the EntraPass module. The EntraPass module buffers a maximum of 100,000 alarms per EntraPass workstation (default: 5,000).
 - Specify the number of alarms that will be **kept on workstation**. There is a maximum of 100,000 alarms per EntraPass workstation. By default, it keeps 5,000 alarms.



NOTE: The EntraPass workstation will always keep newer events. To view older events, you have to request a historical report. For details on requesting reports, see *Reports* on page 285.

- 3 Specify if the server should keep newest or oldest alarms when its buffer reaches the defined maximum number:
 - **Keep older alarms:** The EntraPass module will keep the oldest alarms and archive the newest alarms when the EntraPass workstation is off-line and when the Server buffer is full.
 - **Keep newer alarms:** The EntraPass module will keep the newest alarms and archive the oldest alarms when the EntraPass workstation is off-line and when its buffer is full. Alarms are processed on a first in - first out basis.

- 4 You may want to create exceptions to the EntraPass workstation configuration by checking **Apply operator parameters for alarms** options. When this option is enabled, operator settings have priority over EntraPass workstation settings.



NOTE: If the **Apply operator parameters for alarms** options are selected all events will be filtered according to the EntraPass workstation configuration, and filtered again according to the security level of the operator who is currently logged on the EntraPass workstation. If the **Apply operator parameters for alarms** options are selected and no operator is logged in, or the EntraPass workstation is off-line, events will NOT be buffered by the EntraPass system.

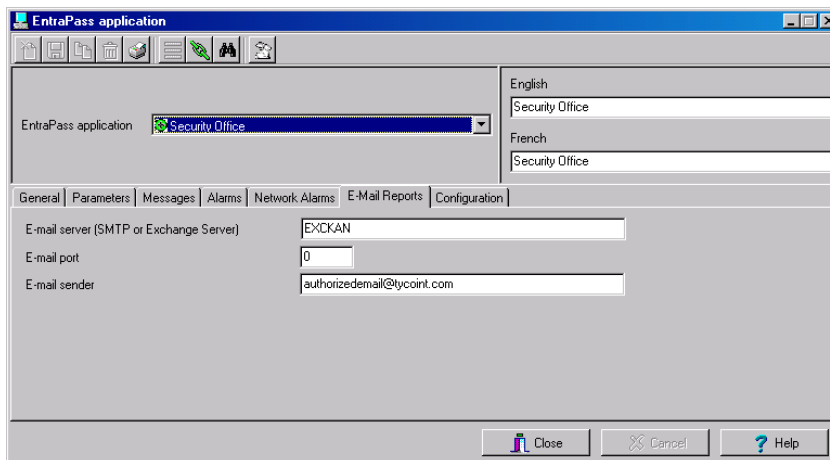
- 5 In the **Clear Alarms Desktops** section, specify when alarms should be cleared:
 - **On logout** (on a regular logout by an operator)
 - **On workstation shutdown** (when the EntraPass workstation is completely shutdown)
- 6 You may define the acknowledgement parameters. Checking **Display alarm message box** will send an acknowledgement message box even if the operator is working in another application. When this option is enabled, you have to enter the delay during which the acknowledgement message box will be suspended. At the end of the delay, an alarm message box will be displayed again requiring an acknowledgement from the operator.
- 7 You may check the option **Send message on acknowledge time-out** to generate an “acknowledge time-out” event when the operator fails to acknowledge an event during the time-out delay specified in the **Acknowledge time-out delay** field. The message will be sent to the Message desktop and the Alarms desktop. For more information on EntraPass desktops, see *Entrapass Desktops on page 255*.

Defining e-Mail Report Options

Entrapass offers users the ability to send and to view reports using e-mail capabilities. E-mails can be sent in two formats: report pack files (rpf) and comma separated values (CSV).

- **rpf files:** this file is a compressed report file. It can be opened with a double-click. To view rpf files, users must install a new version of EntraPass Workstation package or the Report Viewer (Set up window) utility found on the installation CD-ROM or on Kantech Web site (www.kantech.com).
- **CSV files:** these files can be viewed using Excel or any text file editor.

- 1 From the EntraPass applications main window, select the **E-mail** tab.



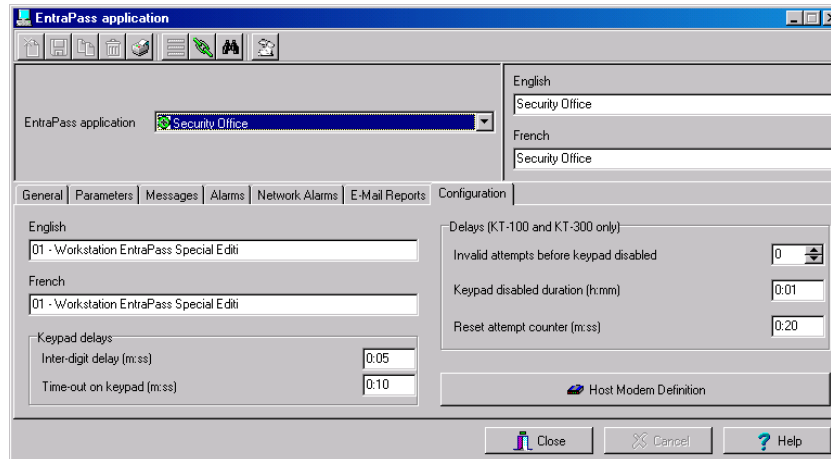
- 2 In the **E-mail server (SMTP or Exchange server)** field, enter the IP address of the E-mail server that will be used for sending e-mails.
- 3 In the **E-mail Port** field, enter the number of the port that will be used for sending e-mails (usually 25).
- 4 Enter a valid E-mail address in the **E-mail sender** field. This e-mail address will be used for authenticating the e-mail server.



NOTE: To view reports sent from EntraPass, the **Report Viewer** utility must be installed on computers where EntraPass is not installed. To install this utility: Installation CD-ROM > Setup window.

Defining Host Modem and Keypad Delays

The host modem and the keypad delays are defined in the **Configuration** tab.



- 1 In the **Keypad** delays section, enter the **Inter-digit delay** time (m:ss). It represents the maximum delay permitted between each selection of a keypad key by a user.
- 2 Enter the **Time-out on keypad** delay time (m:ss). It is set in seconds. It represents the maximum time allowed for users to begin entering their personal identification number at a keypad.

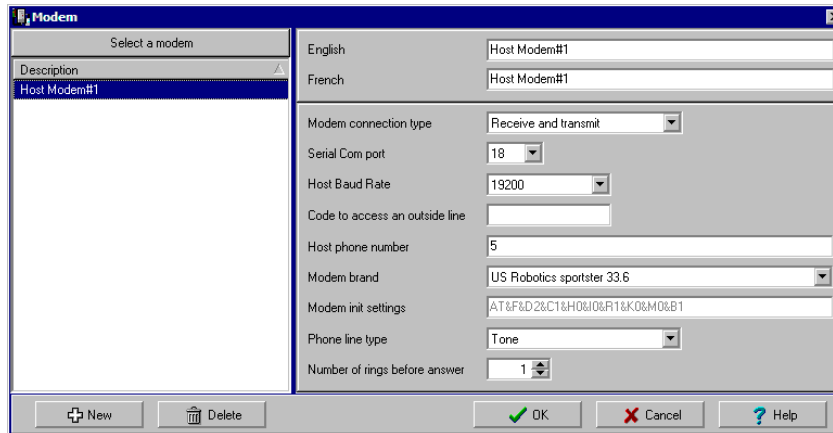


NOTE: The maximum time allowed for both the inter-digit and time-out on keypad delays is 4 minutes and 15 seconds.

- 3 In the Delays KT-100 and KT-300 only, use the up/down arrows, determine the number of **Invalid attempts before keypad is disabled**. Users have a maximum of 255 invalid attempts before the keypad is disabled.
- 4 Enter the **Keypad disabled duration** delay (h:mm). The maximum duration allowed is 4 hours: 15 minutes. When the counter reaches the maximum attempts counter, the keypad will be disabled for all cards. It is disabled for the delay specified in the **Keypad disabled duration** field.
- 5 Enter the **Reset attempt counter** delay (m:ss). When the delay specified in the **Reset attempt counter** field is expired, the system will set the attempt counter to zero. The maximum delay is 4:15 minutes. If the value entered is greater than the maximum allowed, then the system will use the previous correct value.



- Click the **Host Modem Definition** button to configure the modem communication options if your gateway connects to the first controller of a remote site via modem.



- Click on the **New** button to add a modem to the modem selection list.
- Configure the modem as per the example entries shown in the previous window and click **OK** to return to the **Device** definition window.



NOTE: For reliability and configuration consistency, Kantech currently supports the US Robotics Sportster external modem only. Moreover, the **Modem connection type** should be set to **Receive and transmit** while the **Modem settings** should not be changed. If you are uncertain about modem setup parameters, consult your network administrator for the settings which apply to your particular hardware configuration.

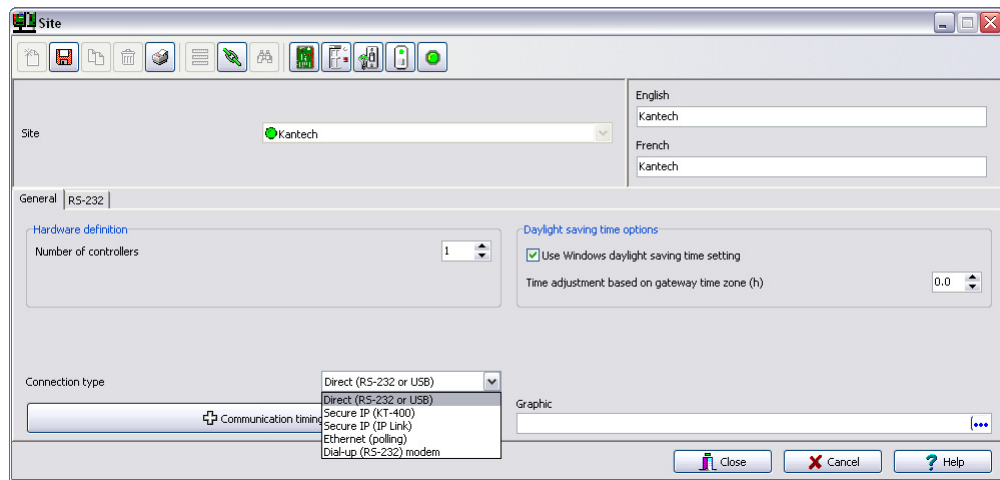
Sites Configuration

A site is composed of 32 controllers attached to the same serial port. EntraPass Special Edition supports 2 sites composed of KT-100, KT-200, KT-300 and KT-400 controllers.

Items displayed in the EntraPass Site window vary depending on the selected connection type. For example, if the selected connection type is an RS-232, an **RS-232** tab will be displayed to configure the corresponding serial port and baud rate. If the connection type is dial-up, three extra tabs will be displayed for modem configuration.

Five types of connections are available: Direct (RS-232 and USB), Secure IP (KT-400), Secure IP (Kantech IP Link), Ethernet (polling) and Dial-Up (RS-232) modem.

1 From the **Devices** window, click the **Site** icon.

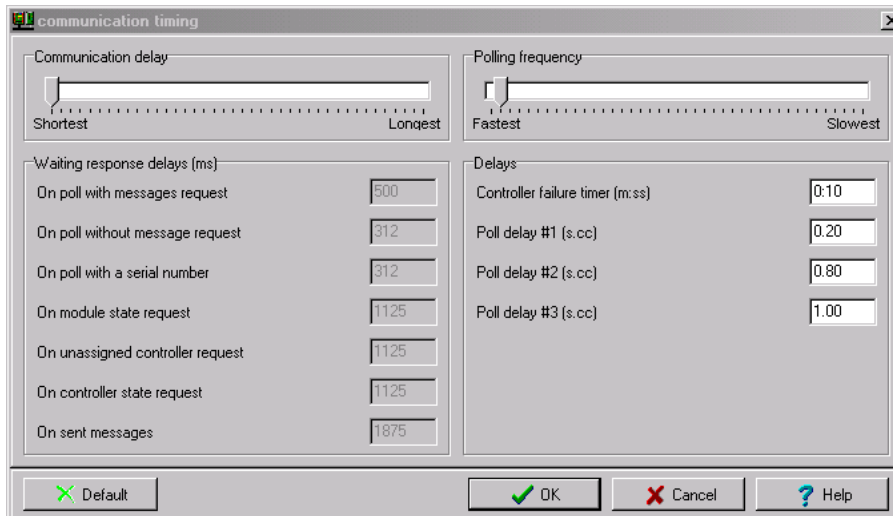


- 2 Select the **Gateway** where the site will be configured.
- 3 If you are defining a new **Site**, assign a name to the new site and click the **Save** icon. The bullet next to the **Site name** will turn green.
- 4 Under the **General** tab:
 - In the **Hardware definition** section, specify the number of controllers for the site. There may be up to 32 controllers per site. If the number specified is greater than the maximum allowed, the system will set the value to 32.
 - In the **Daylight saving time options** section, check the **Use Windows daylight saving time setting** box to automatically switch to daylight saving time according to Windows standard settings. Leave unchecked if you want to do it manually.
 - If you are communicating with a remote site by modem, enter the time difference between the remote site and the EntraPass location in the **Time adjustment based on Gateway timezone (h)** field. This setting will allow events from the remote site to be displayed at local gateway time on EntraPass workstations located in different timezones.
 - Select a **Graphic view** to which the gateway is assigned, if applicable.
 - Use the scroll list to select the **Connection type** between the systems. This will determine which tabs will be displayed for configuration.

Setting up Communication timing

Caution: Do not use the **Communication timing** option. If you need to set up the communication delay and polling frequency, call Kantech Technical Support Help Desk. Inappropriate use of this option may cause serious problems to the system.

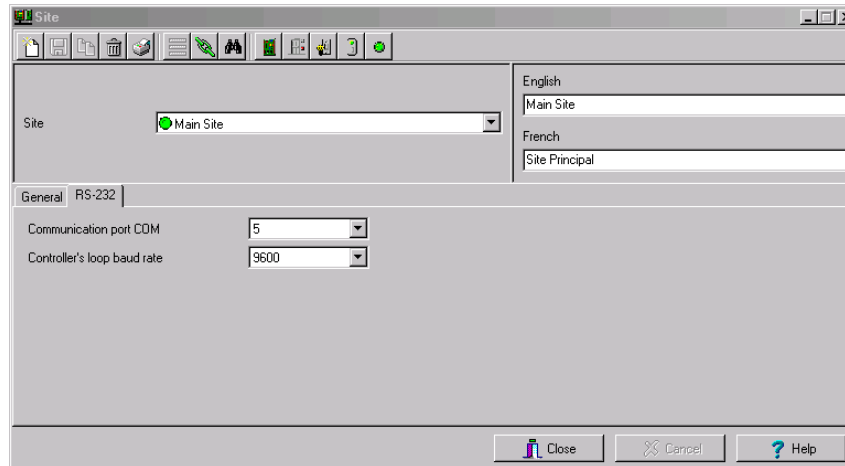
The Communication timings window shows the actual default settings. They must be preserved unless advised otherwise by Kantech.



Configuring a Direct RS-232 Connection Type

This type of connection can be configured in EntraPass Special Edition to communicate via a RS-232 gateway.

- 1 When selecting the **Direct RS-232 connection type** option in the **General** tab, a **RS-232** tab will become available.



- Select the **Communication Port COM**.
- Select the **Controller's loop baud rate**. The default rate is 19200 baud.

Configuring a Kantech IP Link or a KT-400 Ethernet Connection Type

This type of connection can be configured in the EntraPass Workstation to communicate via a Kantech IP Link module or a KT-400 Ethernet Four Door Controller.



NOTE: For complete information on configuring the Kantech IP Link module, please refer to the *Kantech IP Link Module Installation Manual, DN1670*.



NOTE: For complete information on the KT-400 Ethernet Four Door Controller, please refer to the *KT-400 Ethernet Four Door Controller Installation Manual, DN1726*.

NOTE: If you choose *Secure (IP KT-400)* as a connection type, the master controller must be KT-400.

- 1 When you specify **Secure IP (IP Link)** or **Secure IP (KT-400)** from the **Connection type** drop-down list in the **General** tab, you will be able to access three extra tabs: **IP Link or KT-400 IP configuration**, **IP Link or KT-400 automated connection** and **IP Link or KT-400 parameters**.

- **MAC address:** Complete the device MAC address. The first 6 characters in the MAC address (00-50-F9) cannot be modified.
- Check the **Online** box.
 - **Obtain IP address automatically:** Check this option when configuring the device with a Reserved DHCP IP address.
 - **Use the following IP Address:** Check this option when you want to assign a static IP address to the device. When selected the next three parameters will become available.
 - **IP Address:** The static IP address should be provided by the System Administrator.
 - **Subnet Mask:** This address should be provided by the System Administrator.
 - **Gateway (Router):** This address should be provided by the System Administrator.
 - **DNS server address:** This address should be provided by the System Administrator.
 - **Port 18810** is automatically assigned to the device by default. It should not be modified unless the IP device is at a remote location, like in a WAN.
- The **EntraPass Special Edition / Corporate Gateway IP address** will be used.
 - **IP address:** You will enter the gateway computer IP address.
 - **Domain name:** If you don't have the gateway IP address, you can enter the domain name provided by the System Administrator.

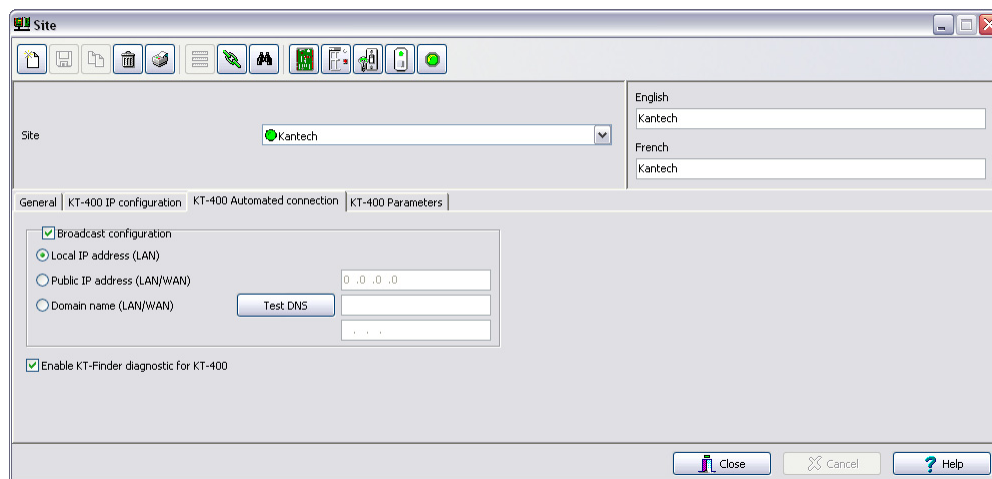


NOTE: You must select to either enter the IP address or the domain name. You cannot enter both at the same time.

- **Test DNS:** Once you have entered the domain name, click on the **Test DNS** button. This should display the corresponding IP address.

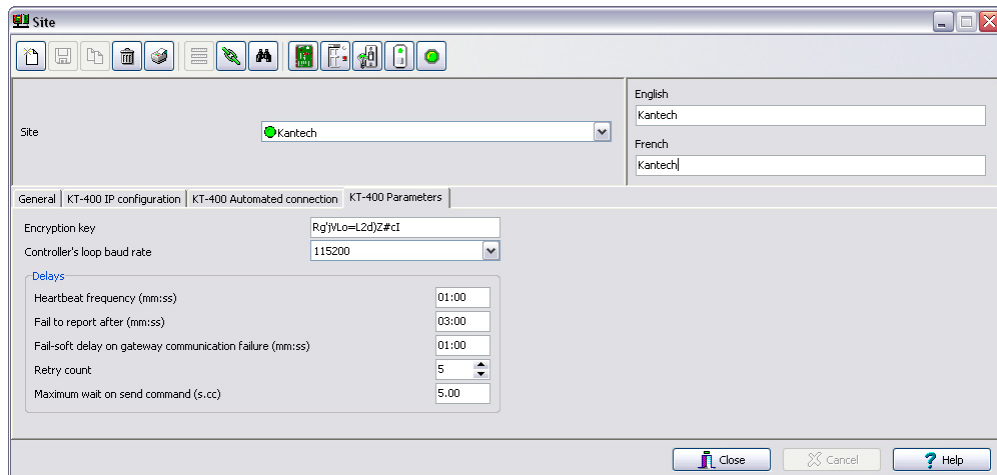


- 2 Move to the **KT-400** or **IP Link automated connection** tab if you are in a WAN environment.



- The **Broadcast configuration** box must be checked at all times.
 - **Local IP Address (LAN)**: Will assign the Kantech IP Link module IP address automatically.
 - **Public IP Address (WAN)**: This IP address should have been provided by your internet provider. This corresponds to the IP of the remote site.
 - **Domain Name (WAN)**: This information should be provided by the System Administrator. This corresponds to the IP of the remote site.
- **Enable KT-Finder Wizard**: Check this box if you want to use the KT-Finder as a configuration and troubleshooting tool.

- 3 Move to the **KT-400** or **IP Link Parameters** tab to configure security and communication parameters.



- **Encryption key:** You will enter a 16-digit hexadecimal code to secure your site.
- **Controller's loop baud rate:** Enter the controller's loop baud rate.



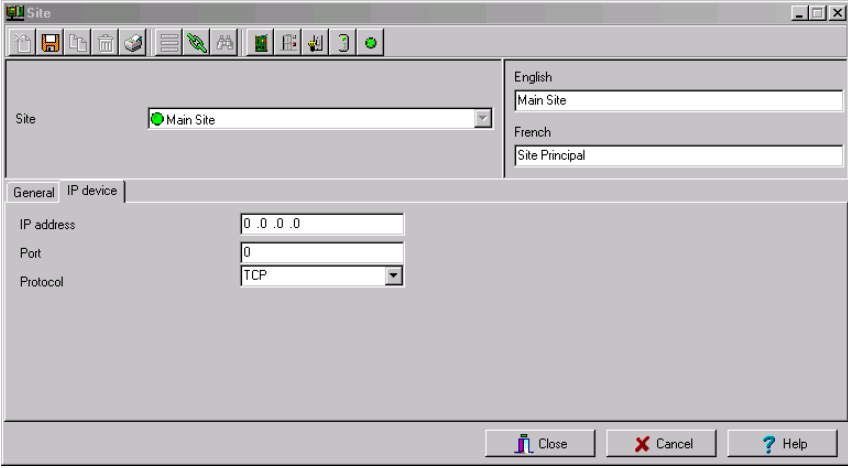
NOTE: For KT-200, the maximum baud rate is 19200.

- In the **Delay** section:
 - **Heartbeat frequency (mm:ss):** Enter the frequency to which you want the Kantech IP Link module to send a signal to the gateway to indicate it is online (1:00 to 59:59).
 - **Fail-soft delay on gateway communication failure (mm:ss):** Enter the delay before the Kantech IP Link will consider communication with a controller has been lost and the controller is in fail-soft mode.
 - **Retry Count:** Enter the number of times the Kantech IP Link will try to communicate with a controller within the delay setup in the previous parameter before acknowledging communication failure (1 to 15).
 - **Maximum wait on send command:** When applicable, enter the maximum delay period that the gateway will allow for the IP Link to acknowledge reception of a command from an EntraPass workstation.

Configuring an Ethernet Polling Connection Type

This type of connection can be configured in Entrapass Special Edition to communicate via the network (Lantronix).

- 1 When selecting the **Ethernet (Polling)** option in the **General** tab, an **IP device** tab will become available.



The screenshot shows a window titled "Site" with a toolbar at the top. Below the toolbar, there is a "Site" dropdown menu set to "Main Site". To the right, there are two text input fields: "English" with "Main Site" and "French" with "Site Principal". Below these is a tabbed interface with "General" and "IP device" tabs. The "IP device" tab is active, showing three fields: "IP address" with "0.0.0.0", "Port" with "0", and "Protocol" with a dropdown menu set to "TCP". At the bottom right, there are three buttons: "Close", "Cancel", and "Help".

- Enter the terminal server **IP address** and **Port** number.
- Select the communication protocol:
 - **TCP** if the site communicates with the gateway through a terminal server using TCP protocol. In this case, you have to configure the terminal server. To do this, follow the manufacturer's instructions or refer to the Terminal server documentation.
 - **UDP** (User Datagram Protocol), uses the IP protocol to send datagrams from one Internet application to another. It is called "connectionless" because the sender and the receiver are not required to connect before the transmission of data. Check this option if the site you are configuring uses this protocol.

Configuring a Dial-Up (RS-232) Modem Connection Type

If you specified **Dial-up (RS-232) modem** from the **Connection type** drop-down list in the **General** tab, you will be able to access three extra tabs: Modem options, Modem schedule parameters and Miscellaneous.



- 1 Select the **Modem Options** tab to set outgoing call behavior to site modem.

The screenshot shows the 'Site' configuration window with the 'Modem options' tab selected. The 'Site' dropdown is set to 'Main Site'. The 'English' section contains 'Main Site' and 'Site Principal' fields. The 'Modem options' section includes: 'Remote Baud rate' set to 9600; 'Code to access an outside line' (empty); 'Remote phone number' (empty); 'Modem brand' set to 'US Robotics sportster 56K'; 'Modem init settings' set to 'AT&F&D2&C1&H0&I0&R1&K0&M0&B1E0V0Q0M0<450=0'; 'Phone line type' set to 'Tone'; 'Number of rings before answer' set to 1; 'Number of retries' set to 4; and 'Answer on first ring schedule' (empty). Buttons for 'Close', 'Cancel', and 'Help' are at the bottom.



NOTE: The **Remote Baud rate** should not be changed. If you are uncertain about modem setup parameters, consult your network administrator for the settings which apply to your particular hardware configuration.

- Enter the **Code to access an outside line** (if applicable).
- Enter the **Remote phone number**.



NOTE: For reliability and configuration consistency, Kantech currently supports the US Robotics Sportster external modem only.

NOTE: The **Modem init settings** can not be changed.

- Select the **Phone line type**: **Tone** or **Pulse**.
- Set the **Number of rings before answer** that will define the number of rings before the modem picks up the call. This option is valid whenever ring schedules are not in effect.
- Set the **Number of retries**. This will set the number of calls the modem will attempt to make before giving up.
- Set the **Answer on first ring schedule** option to configure the time interval during which site modem will be allowed to answer on one ring.



- 2 Move to the **Modem Schedule parameters** tab to set time intervals during which the gateway or site connects to remote sites or gateways (through modem calls) in order to perform specific tasks.

The screenshot shows the 'Site' configuration window with the 'Modem schedule parameters' tab selected. The 'Site' dropdown is set to 'Main Site'. The language is 'English' and the site principal is 'Main Site'. The 'Modem schedule parameters' tab contains two main sections: 'Scheduled call from gateway' and 'Scheduled call from site'. The 'Scheduled call from site' section has three input fields: 'Report events under priority call type', 'Report events automatically', and 'Fail to report after (mm:ss)' which is set to '05:00'. There are 'Close', 'Cancel', and 'Help' buttons at the bottom.

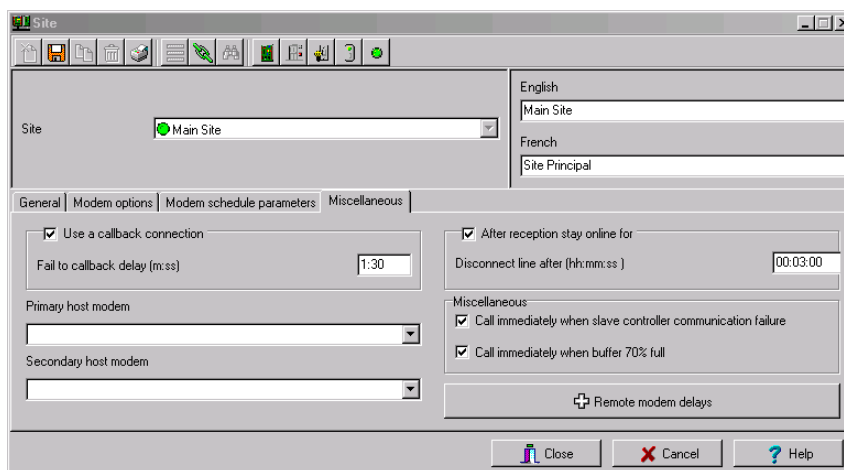
- Click on the **Retrieve site events** browse button to bring up the schedule selection window. Select the schedule that best corresponds to the time requirements set out for this task. For more information on defining schedules, see *"Schedules Definition"* on page 112
- Repeat this step for **If data is modified since last**, **Report events under priority call type** and **Report events automatically**.
- Define the delay before the system will **Fail to report after (mm:ss)**.



NOTE: To schedule the reporting of events under priority call types, first define **Priority call types** for items such as doors, inputs and controllers.



- Click the **Miscellaneous** tab to configure how modems handle site incoming and outgoing calls.



- Check the **Use a callback connection** box to force the gateway modem to hang up after initial connection to the remote site modem and to stand by for an acknowledgement call from the remote modem. You may also want to customize the **Fail to callback delay**. Default is set to 1:30 (1min 30 sec.).
- Select the **Primary host modem** in the drop down list. If available, select a backup modem in the **Secondary host modem**. This setting is useful when the primary modem is busy or fails to take the call.
- Check **After reception stay online for** if you wish to limit in-call time to a predetermined amount of time which can be set to anywhere between 00.03.00 and 23.59.59.
- Check the **Call immediately when slave controller communication failure** to be alerted in the event that a slave controller fails to send data to the master controller (the one carrying the modem).
- Check the **Call immediately when buffer 70% full** to force download of a site controller's event buffer as soon as it reaches 70% capacity.



NOTE: Do not click the **Remote modem delays** button. All values are factory-set for optimum performances with the supported US Robotics modems. Settings **SHOULD NOT** be edited unless recommended by Kantech.



Controllers Configuration

Controllers provide audiovisual feedback on the access decision. Typically, a red/green light (LED) indicator on the reader informs the cardholder that the door is unlocked or that access has been denied. A local door alarm can be installed to provide an audible warning if the door is forced open or remains open after an access.

The controller definition tells the system how a controller is being used and what devices are associated with it: (doors, input zones, relays and output devices). Controllers may be defined during a system or site configuration; or in the controller definition menu, by selecting either the controller icon (**Devices > Controller**) or by using Express Setup program.

EntraPass supports four types of controllers: KT-100, KT-200, KT-300 and KT-400. These provide the ability to activate local functions associated with a controller.

The number of devices associated with a controller varies according to the controller type. The following table summarizes the basic components associated with each type of Kantech controller:

Type	Doors	Relays	Input Zones	Auxiliary Outputs
KT-100	1	4	4	2
KT-200	2	2	16	4
KT-300	2	2	8	4
KT-400	4	4	16	16

NOTE:

KT-400 Ethernet Four Door Controller

The KT-400 is a 4-door Ethernet-ready encrypted controller providing a secure solution for any company looking for the highest security available. It integrates into existing EntraPass Version 4.01 systems and with other Kantech controllers or can be the basis of new security installations. In North America (UL) and Europe (EU), the KT-400 brings new exciting features at the door

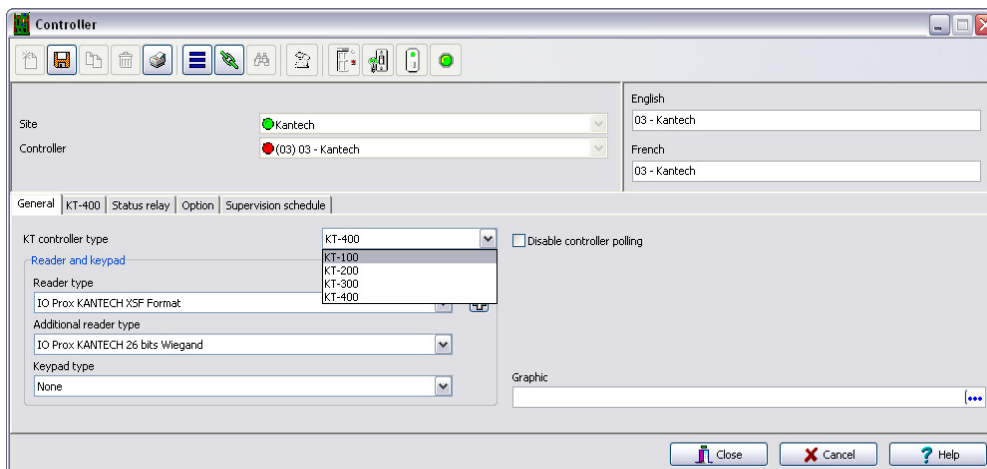
Main Features

- Up to 256 inputs (16 onboard with high security double end of line resistor configuration)
- Up to 256 outputs
- Four Onboard form C relays
- 16 reader output on board
- Onboard 128-bit AES encryption ensures a high degree of network security
- Removable terminal blocks
- On Board Ethernet port ensures quick network connectivity, no external Ethernet device required
- Automatic Port Detection

- For readers, locks and other devices, built-in battery backed power supply ensures continuous operation and saves installation time and money by eliminating the need for an external power source
- Can act as an IP Master controller on a RS-485 network
- Compatible with Kantech controllers KT-100, KT-300 & (KT-200 on a separate loop)
- Dedicated Tamper Input
- External lock device power option
- Four configurable output per reader
- Built-in WEB page configuration
- Multiple Configuration Options (IP, RS-485 & RS-232)
- Low network bandwidth consumption
- Visual Status Indicators (LEDs)
- More supervision and monitoring
- Controller local area with anti-passback
- 100,000 Card per controller and 20,000 stored events in stand alone mode
- Activation time on temporary action & events

Configuring General Parameters for Kantech Controllers

- 1 From the Controller definition window, select the gateway associated with the controller site.
- 2 From the **Site** drop-down list, select the site where the controller is located.
- 3 From the **Controller** drop-down list, select the controller you want to define. Once selected, the language section is enabled. You may rename the selected controller.
- 4 In the **General** tab drop-down list, select the **KT Controller type**.



- Assign a meaningful name to the controller in the language section (English and French in our example), then click the **Save** icon. Once you save, the **Controller type** drop-down list becomes disabled.



NOTE: If you selected KT-200, a number appears next to the drop-down list. If you move your cursor above that number, a hint will popup to indicate the jumper setup for that KT-200 controller.

- The system prompts you to use the Express Setup program. Click **Yes** to continue. If you select **No** you will have to manually configure these devices in their respective definition menus (doors, relays, inputs and auxiliary outputs).



NOTE: EntraPass offers you the ability to install two types of readers on the same controller (primary and secondary). The two readers must be of the same technology (Wiegand or ABA). This feature is only available with KT-100, KT-300 and KT-400.

- After configuring components associated with the controller, select the reader and keypad installed on your controller from the **Reader** and **Keypad type** drop-down lists.



NOTE: The **New reader driver** icon allows you to install a custom driver for a specific controller. Moreover, using this button allows you to add the driver in the Reader+ Driver table, making it available the next time you want to configure a new controller.

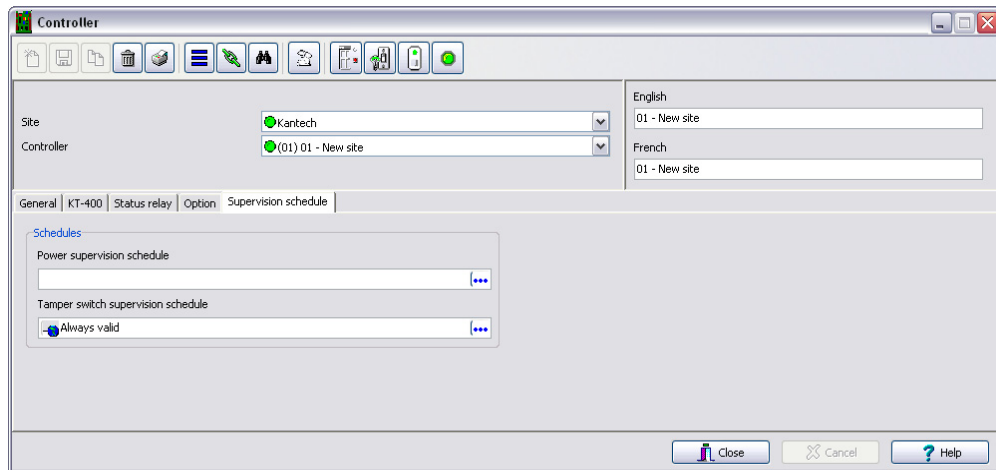
- Use the **Disable controller polling** when you need to put the controller in disable mode. In disable mode, the controller will never be polled and all status requests from this specific controller will send a message that this controller is disabled.



NOTE: This option can be used when a controller is removed temporarily but must not be deleted (when under repair, for example). It also allows Operators to easily setup the software before the physical installation is completed.

- Select a **Graphic view** to which the gateway is assigned, if applicable.

- 5 To define the schedules applicable to the new controller, you must move to the **Supervision Schedule** tab.

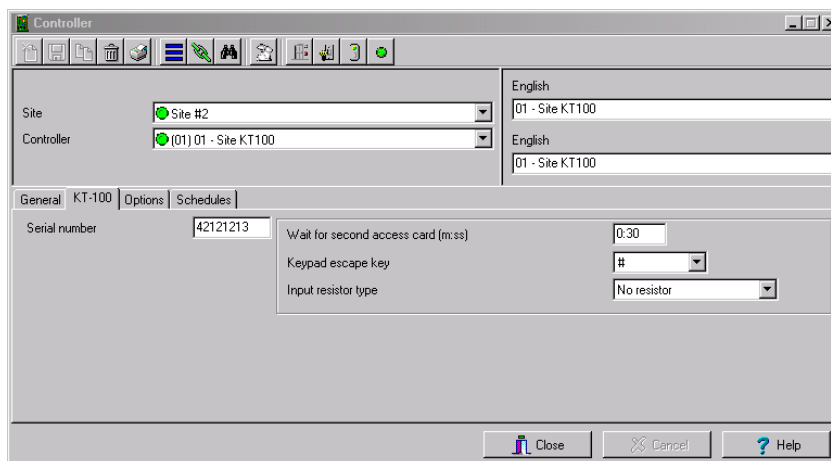


- Select the applicable **Schedules** for the new controller:
 - When a KT-100 or KT-300 is selected: only the **Power supervision schedule** list is displayed.
 - For KT-200 or KT-400, the **Power supervision schedule** and the **Tamper switch supervision schedule** lists are available.
- 6 Click the **Save** icon.

Configuring a KT-100 Controller

Once the general parameters are defined, the **Controller type** tab is displayed.

- 1 Select the **KT-100** tab from the **Controller** window.



- 2 Enter the controller serial number in the **Serial number** field. Usually, the number is found on the controller label. The field is defined to accept only numeric characters, except for the first character which may be an *a* or *A*. If a lower case character is entered, the system converts it to a capital letter.
- 3 Enter the **Wait for second access card** delay. The maximum time allowed is 2 minutes 07 seconds. This feature is useful for secured areas where two cards are required to access a secured door. If the value entered is greater than the maximum allowed, the system will use the existing value.
- 4 In the **Keypad escape key** drop-down list, choose a keypad escape key if applicable. This feature is associated with PIN numbers. When a user enters a wrong number, he/she may press the escape key and re-enter the PIN, without incrementing the number of attempts.
- 5 In the **Input resistor type** drop-down list, select the resistor type used with your system. By default, this choice is set to **Single resistor**. This feature is used as a supervision device for all inputs. In fact, if this feature is enabled and if an input is disconnected, an alarm message is generated and sent to the Alarm message desktop (or other desktop configured to receive such events).



NOTE: For details on defining options for KT-100 controllers, see "Defining Controller Options" on page 83.

Configuring a KT- 200 Controller

Each KT-200 can monitor, in real-time, the state of 16 input points such as magnetic contacts, motion detectors, temperature sensors, etc. The door contact (supervising door state) and the REX (warning the system that a user is exiting) are connected to such inputs.

The KT-200 is equipped with two relays. These relays can be activated according to schedules, reported events or a combination of different logical conditions. The system is expandable to 16

relays using REB-8 relay expansion board modules. REB-8 may be used as relays or as elevator controllers. KT-2252 are only used as elevator controllers.



NOTE: Please note that KT-2252 are no longer available.

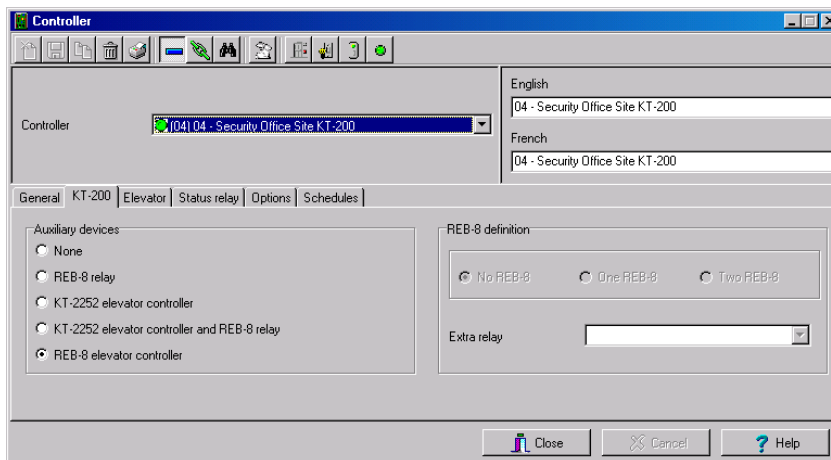
Defining KT-200 Expansion Devices

KT-2252 elevators offer a low voltage interface for up to 32 floors. Up to 4 KT-2252 can be connected to one KT-200 controller for a maximum of 64 floors per cab. One KT-2252 can be shared between 2 cabs, serving a maximum of 16 floors each (one common service switch for both cabs).

When users present their cards to the elevator cab reader, the KT-200 verifies which floors can be accessed by this cardholder and sends a list of floors to be enabled to the KT-2252 interface. The KT-2252 closes the electronic interrupters corresponding to the related floors.

Defining KT-200 Auxiliary Devices

- 1 From the **Controller** definition window, select the **KT-200** tab.



- 2 In the **Auxiliary devices** section, select the type of devices used with KT-200 controller.
 - Check the **REB-8 relay** option if REB-8 expansion boards are used as relays. Only 16 relays can be defined. If two REB-8 are added, the last two relays (the 17th and 18th relays) can be used to perform different actions. You have to specify the additional actions for the two relays in the **Extra relay** drop-down list.
 - Check the **KT-2252 elevator controller and REB-8 relay** option if KT-2252 are used as elevator controllers and REB-8 are used as relays on the same door controller. A maximum of four KT-2252 can be connected to the controller.

- Check the **REB-8 Elevator Controller** option if REB-8 are used for elevator control. Up to four REB-8 can be used for elevator control.



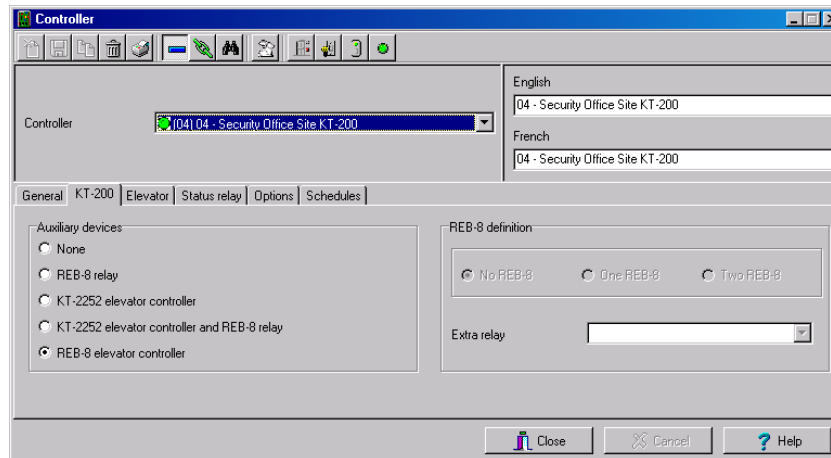
NOTE: When an elevator controller option is checked, an *Elevator* tab appears beside the *KT-200* tab.

The following section explains how to program elevator controls using REB-8 and KT-2252 elevator controllers.

Programming KT-2252 Elevator Controllers

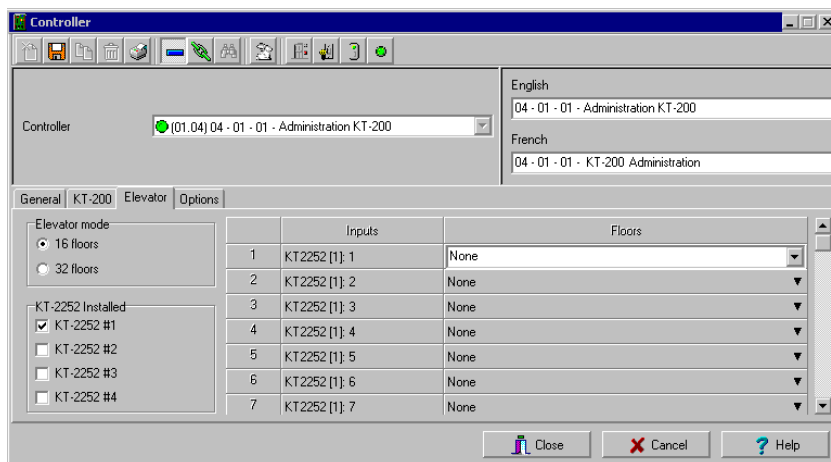
The **Elevator** tab allows you to specify which auxiliary devices are used with the KT-200 for elevator control and how they are used. Depending on the expansion board installed and on the option checked, the Elevator window displays the **REB-8 Installed** or **KT-2252 Installed** section.

- 1 From the **Controller** definition window, select the **KT-200** tab.



- 2 In the **Auxiliary devices** section, select **KT-2252 elevator controller**, or **KT-2252 elevator controller and REB-8 relay**. The **Elevator** tab appears beside the **KT-200** tab.

- To configure elevator controllers, select the **Elevator** tab. When KT-2252 elevator controllers are used, the **Elevator mode** section is enabled.



- In the **Elevator mode** section, check the appropriate number of floors. This indicates how the floors are controlled with the KT-2252.
 - Select 16 Floors if there is one KT-2252 for two cabs sharing the same floors.
 - Select 32 Floors if there is one KT-2252 per cab.



NOTE: The **Inputs** column refers to the KT-2252 terminals. When floors have been defined (in the **Floor** menu), the **Floors** column contains the floors that are associated with the inputs.

- In the **KT-2252 installed** section, specify the number of KT-2252 installed. The options are cumulative. If for example the KT-2252 #3 option is checked, KT-2252 #1 & 2 have to be checked as well. The following table summarizes how KT-2252 elevator controllers are used:

Number of Cabs	Number of Floors	Number of KT-2252
1	8	1
1	16	1
1	32	1
1	64	2
2	8	1
2	16	1
2	32	2
2	64	4

- 6 In the **Floors** column, select the floors associated with KT-2252 controller terminals.

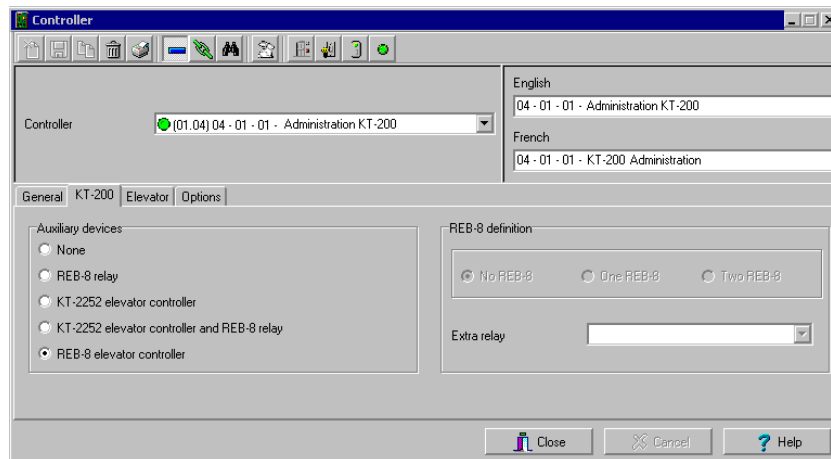


NOTE: *The Inputs column refers to the KT-2252 terminals. When floors have been defined (in the Floor menu), the Floors column contains the floors associated with the inputs.*

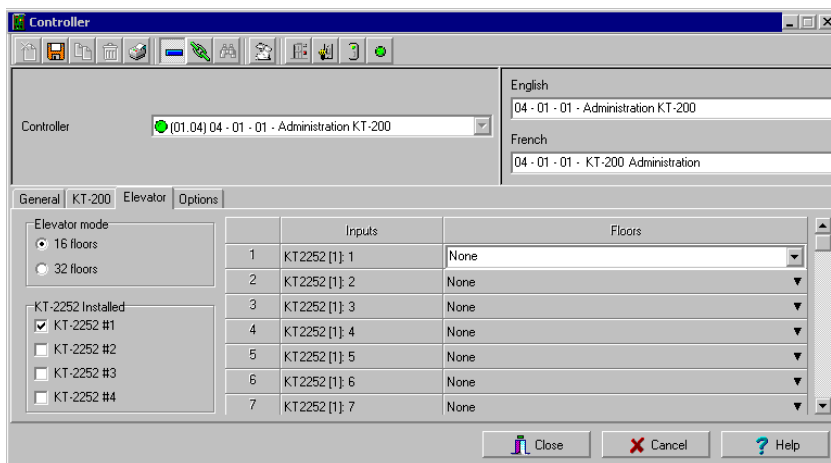
Programming REB-8 Elevator Controllers

REB-8 relay expansion boards may be used as a cost-efficient alternative for elevator control. With a REB-8 expansion board added to a KT-200, the software may control up to two elevator cabs per controller.

- 1 In the **KT-200** definition window, select the **REB-8 elevator controller** option. When the option is selected, an **Elevator** tab appears beside the **KT-200** tab. The REB-8 definition section is only active when REB-8 are used as relays.



- Select the **Elevator** tab to configure the REB-8 elevator controllers. Up to four REB-8 elevator controllers are supported.



- Specify the number of REB-8 that are installed on the controller. The selection is cumulative. For example, if four REB-8 are installed, the first three checkboxes have to be checked also. The following table summarizes how REB-8 are assigned to floors and to elevator cabs.

Number of REB-8	Number of Floors	Number of Cabs
1	1 to 8	Cab 1
2	9 to 16	Cab 1
3	1 to 8	Cab 2
4	9 to 16	Cab 2



NOTE: The **Inputs** column refers to the REB-8 terminals. When floors have been defined (in the **Floors** menu), the **Floors** column contains the floors that are associated with the inputs.

- In the **Floors** column, select the floors associated with REB-8 controller terminals. For details on floor definition and door group definition, see "Doors Configuration" on page 88.

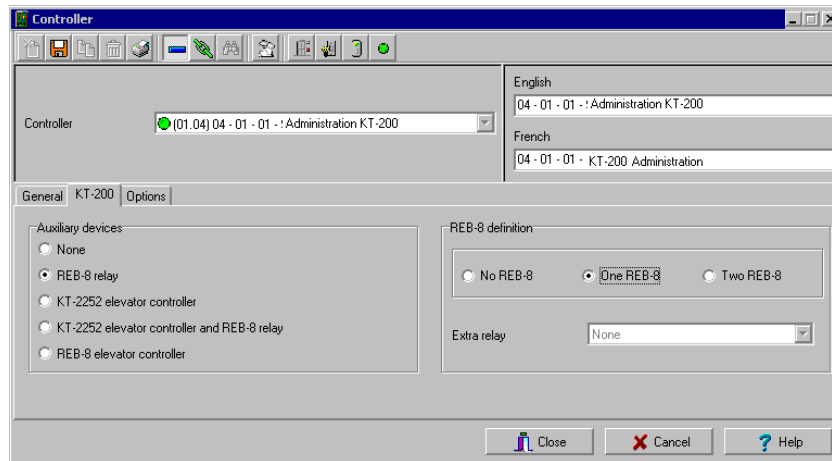


NOTE: There is no floor confirmation when an REB-8 is used as an elevator controller.

Defining REB-8 Relays

When REB-8 are used as relays, you need to specify how many relays are installed on the KT-200. The controller can handle a maximum of 16 accessible relays and already provides 2 on-board relays.

- 1 Under the **KT-200** tab, select the **REB-8 relay** option if REB-8 are used as relays.



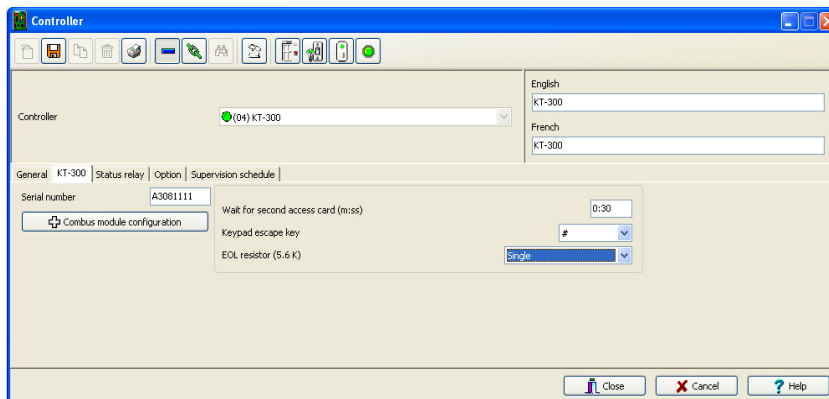
- 2 If they are used with the KT-2252 elevator controller, select the **KT-2252 elevator controller and REB8 relay** option. In either case, the REB-8 definition section is enabled.
- 3 In the **REB-8 Definition** section, select the appropriate option: No REB-8, One REB-8 or Two REB-8.
- 4 If two REB-8 are added (for a total of 18 relays), the last two relays can be used to perform different actions: select the use for the extra relays from the **Extra relay** drop-down list.
- 5 Select the **Status relay** tab to program a relay or group of relays that will be activated when an event occurs.

Configuring the KT-300 Controller

The KT-300 constantly supervises battery condition and reports “Low battery / No battery condition” status to the system. It also supervises locking devices for short and open circuits to detect lock failures.

KT-300 controllers support Combus modules. The Combus is a 4-conductor cable bus to which several expansion modules are connected in parallel to add inputs, outputs, relays and an LCD time and date display.

- 1 From the **Site** menu, click the **Controller** icon, then select the **KT-300** tab.



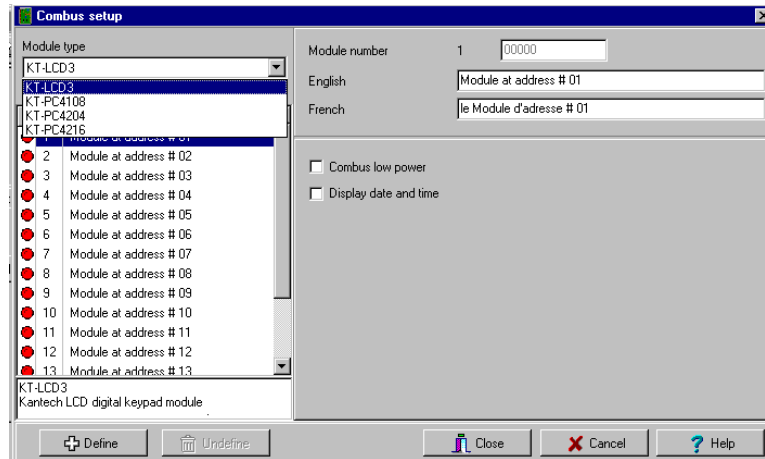
- 2 Enter the controller serial number in the **Serial number** field. Usually, the number is found on the controller label. The field is defined to accept only numeric characters, except for the first character. It may be an a or A. If a lower case character is entered, the system converts it to upper case.
- 3 Enter the **Wait for second access card** delay. The maximum time allowed is two minutes and seven seconds. If the value entered is greater than the maximum allowed, the system will use the existing value. This feature is useful when access to a place is controlled by two cards.
- 4 In the **Keypad escape key** drop down list, choose a keypad escape key if applicable. This feature is associated with PINs. When a user enters a wrong number, he/she may press the escape key and re-enter the PIN, without incrementing the number of attempts.
- 5 In the **Resistor type** drop-down list, select the resistor type. By default, the **Single resistor** option is selected. If you hear a long buzz, verify the number of resistors installed on your system.

Configuring the KT-300 Combust Modules

Five combust modules can be connected to a KT-300:

- KT-PC4108 (8-zone input expansion module). This module has a tamper contact input.
- KT-PC4116 (16-zone input expansion module). This module has a tamper contact input.
- KT-PC4204 (4-relay/power supply expansion module). It has a tamper contact input and also includes a built-in 12VDC, 1A power supply for field devices.
- KT-PC4216 (16-zone output expansion module). It can be used for elevator control, although additional hardware may be required.
- KT3-LCD (Kantech 32-character liquid crystal display). The LCD is *green* (normal status), *red* (power failure) and yellow (trouble).

- 1 If a Combus module is installed to the KT-300 controller, click the **Combus module configuration** button. Undefined Combus terminals are identified by red flags/bullets. Once a module has been defined, it is identified by a green flag.



- 2 To define a module, select one, then click the **Define** button (lower part of the window). The **Enter Combus module serial number** message box appears.
- 3 Enter the module's serial number, then click **OK**.



NOTE: To obtain this number, you have to activate the Tamper switch or to press any key on the keyboard. The Combus serial number is displayed in the Desktop Message.

- 4 Assign names to the modules in the language fields.
- 5 Check the options related to the module you want to configure (if these are displayed in the window).



NOTE: Usage options of a module vary according to the selected Combus module. For example, installing the KT3-LCD and checking the options **Combus low power** and **Display date and time** will allow the KT-300 to report Combus low power conditions and to display the date and time.

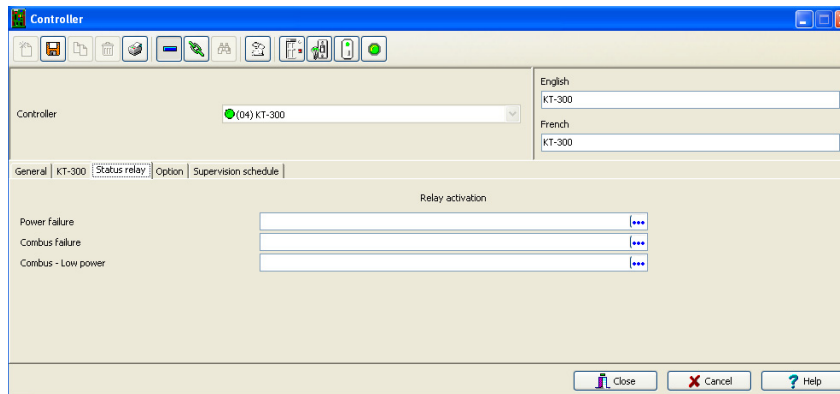
The following table summarizes the options associated with each module:

Combus type	Options	Additional options
KT3-LCD	Combus low power, display date and time	No additional options
KT-PC4108	Tamper alarm, Combus low power	8-input module
KT-PC4116	Tamper alarm, Combus low power	16-input module



Combust type	Options	Additional options
KT-PC4204	Tamper alarm, Combust low power, Low battery, Power failure, lower auxiliary power	Used as relays (1-4)
KT-PC4216	Tamper alarm, Combust low power	Used as outputs

- 6 Check the **Combust low power** option so that the KT-300 will report any Combust low power condition
- 7 Check **Display date and time** option so that LCD can display the date and time.
- 8 When you have finished configuring the Combust module, click the **Ok** button to go back to the KT-300 status relay tab.



- 9 Associate a **Local activation relay** for **Power failure**, **Combust failure** and **Combust low power**. If you want to assign a specific relay, you may click the three-dot button and select a specific relay or group of relays.



NOTE: To configure local activation relay, you must configure relays (**Devices > Relays**), and then select specific relays for local activation.

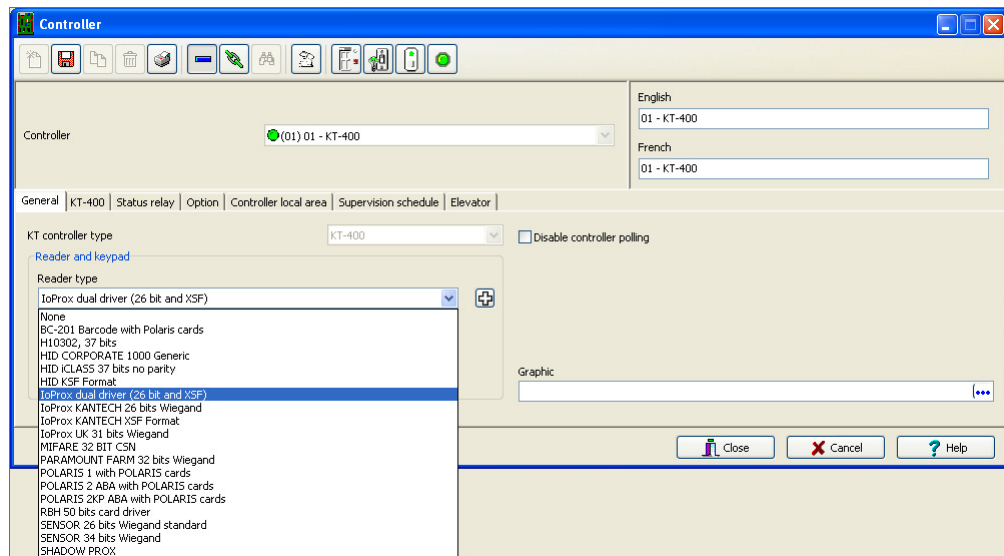
- 10 Under **Priority call type**, assign the call type option that best suits failure event reporting. To access the **Priority call type** feature, the site connection type must be set to Modem.

Configuring the KT-400 Ethernet Four Door Controller

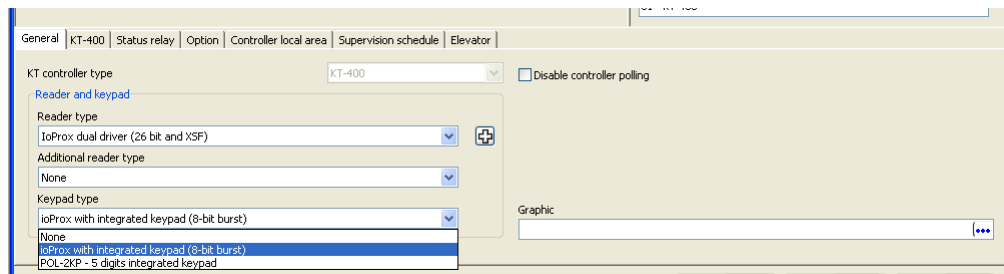
The KT-400 constantly supervises ac power and battery condition and reports “AC Power Failure”, “Normal Battery”, “Low Battery”, “Battery Critical”, “No Battery”, or “Battery Brown Out”, status to the EntraPass system. Power outputs are supervised and electronically protected against short-circuits and surges. Locking devices are also supervised for short and open circuits.

NOTE: For hardware information on the KT-400 Ethernet Four Door Controller, please refer to the *KT-400 Ethernet Four Door Controller Installation Manual, DN1726*.

- 1 From the **Devices > Controller** menu, click on the **General** tab and select the **Reader type(s)**.

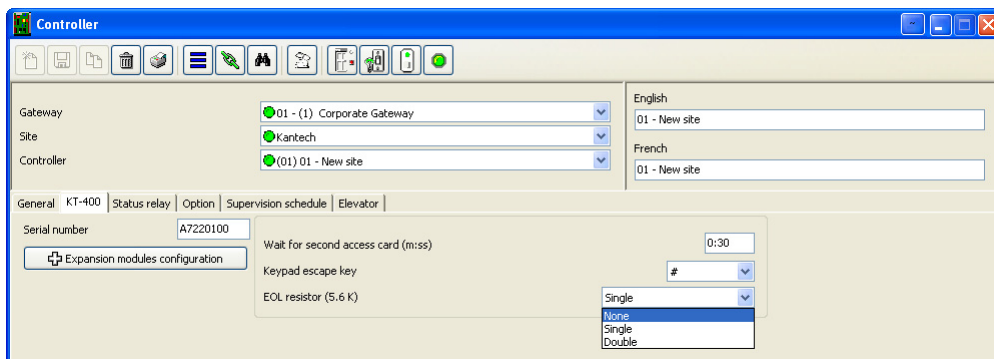


- 2 Select the **Keypad type** (if applicable).



- 3 Click on the **KT-400** tab. Enter the controller serial number in the **Serial number** field. The number is found on the controller label next to the reset button. The field is defined to accept

only numeric characters, except for the first character. It may be an a or A. If a lower case character is entered, the system converts it to upper case.



- 4 Enter the **Wait for second access card** delay. The maximum time allowed is 2 minutes and 7 seconds. If the value entered is greater than the maximum allowed, the system will use the existing value. This feature is useful when access to a place is controlled by two cards.
- 5 In the **Keypad escape key** drop down list, choose a keypad escape key if applicable. This feature is associated with PINs. When a user enters a wrong number, he/she may press the escape key and re-enter the PIN, without incrementing the number of attempts.
- 6 In the **EOL Resistor (5.6 K)** drop-down list, select the resistor type. By default, the **Single resistor** option is selected. If you hear a long buzz from the installed reader/keypad, verify the number of resistors installed on your system.

Configuring the KT-400 Expansion Modules

The KT-400 Ethernet Four Door Controller support expansion modules through its SPI expansion port. The SPI port is a 6-conductor cable bus to which several expansion modules are daisy-chained to add inputs, outputs and relays.

Warning: The KT-400 SPI port maximum current draw is 500 mA, when the 12V AUX terminals are not used. External power supply (12 VDC, 2 Amps) for the expansion module is required when the total current draw exceeds 500mA on the SPI Port. For additional details, please refer to the KT-400 Ethernet Four Door Controller Installation Manual, DN1726.

Three expansion module types are available:

- **KT-MOD-INP16:** The KT-MOD-INP16 is an input module that adds 240 zones to the KT-400 controller. Up to 15 input modules (16 input modules if used for elevator configuration) can be connected to a KT-400 for a total of 240 external inputs. Adding the 16 onboard inputs of the KT-400 gives a total of 256 inputs per KT-400. For further details, check the KT-MOD-INP16 KT-400 Expansion Module 16-Zone Input with SPI Cable, *Install Sheet*, DN1776.
- **KT-MOD-OUT16:** The KT-MOD-OUT16 is a 16-output module. It can be used for elevator access control with additional hardware. Up to 16 output modules can be connected to a KT-400 for a total of 256 outputs. For further details, check the KT-MOD-OUT16 KT-400 Expansion Module 16-Output with SPI Cable, *Install Sheet*, DN1781.

- **KT-MOD-REL8:** The KT-MOD-REL8 is an 8-relay outputs expansion module used as general relays or elevator control outputs. Up to 32 relay modules can be connected to a KT-400 for a total of 256 relays. For further details, check the KT-MOD-REL8 KT-400 Expansion Module 8-Relay Output with SPI Cable, *Install Sheet*, DN1786.

The following table summarizes the options associated with each module:

Expansion Module	Options
KT-MOD-INP16	Controller inputs (up to 256) and/or elevator inputs (up to 64 per elevator door)
KT-MOD-OUT16	Outputs relays (up to 256) and/or elevator outputs (up to 64 per elevator door)
KT-MOD-REL8 (<i>Note</i>)	Relays (up to 256) and/or elevator outputs (up to 64 per elevator door)

NOTE: *There are already 4 relays available on the KT-400. Make sure to check the relay number assignments to prevent redundancy unless it has been planned on purpose.*

NOTE: *The 9-16 relay configuration is set by default.*



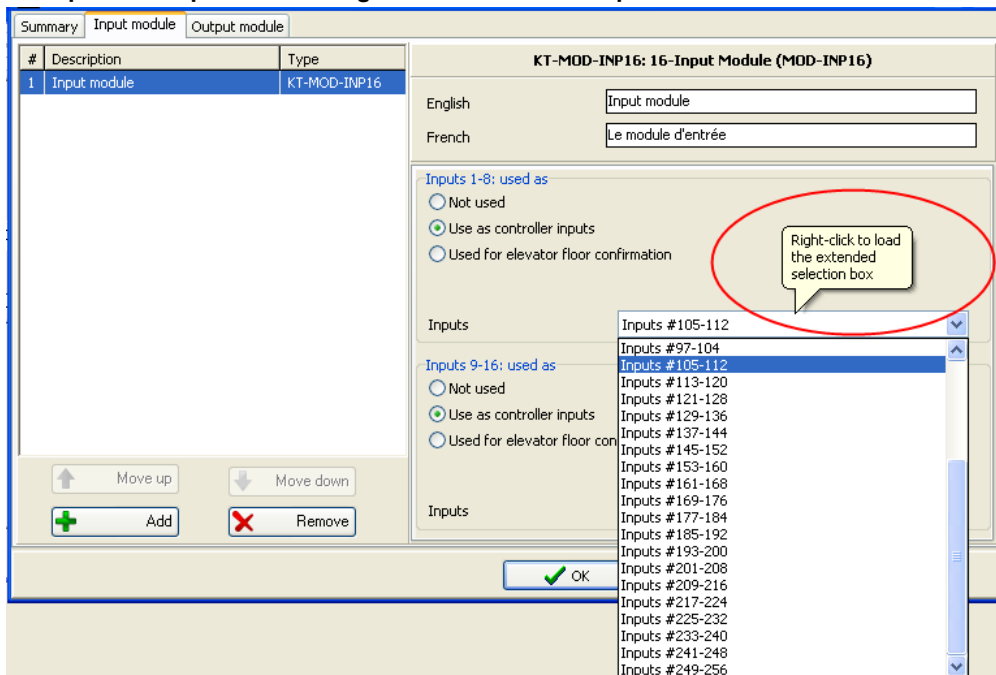
- 1 If an expansion module(s) is(are) connected to a KT-400, click the **Expansion module configuration** button. The **Expansion modules setup** appears.

If you want to	then go to
configure an input module KT-MOD-INP16	Step 2.
configure an output module KT-MOD-OUT16	Step 4.
configure an output module KT-MOD-REL8	Step 5.
modify an existing expansion module configuration	Step 6.

- 2 To add a KT-MOD-INP16, select the **Input Module** tab and then click on **Add**. If there is more than one input modules listed, make sure that you select the correct one before changing the input assignments. Assign names to the modules in the language fields and choose the options.

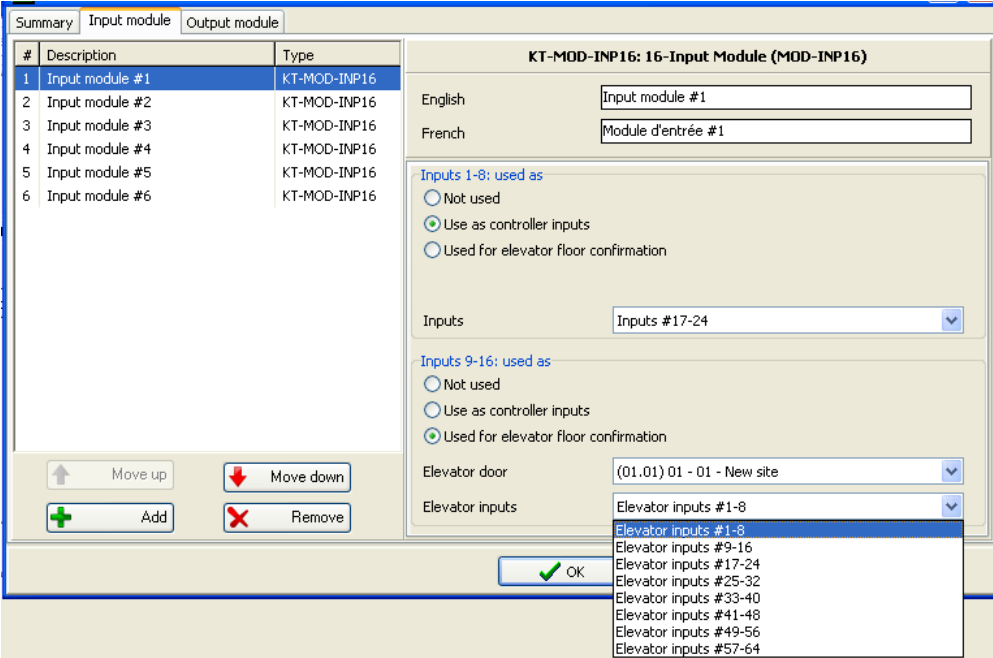
NOTE: Controller inputs 1-16 are reserved to the inputs on the KT-400.

Example with Inputs 1-8 Configured as Controller Inputs



- 3 Selection of the inputs numbers can be done in two ways: using the drop-down menu or the **Extended selection box**. Right-click on the inputs menu selection to view the **Extended selection box**, see "Using an Extended Selection Box" on page 35.

Example with Inputs 9-16 Configured as Elevator Inputs



#	Description	Type
1	Input module #1	KT-MOD-INP16
2	Input module #2	KT-MOD-INP16
3	Input module #3	KT-MOD-INP16
4	Input module #4	KT-MOD-INP16
5	Input module #5	KT-MOD-INP16
6	Input module #6	KT-MOD-INP16

KT-MOD-INP16: 16-Input Module (MOD-INP16)

English:

French:

Inputs 1-8: used as

Not used

Use as controller inputs

Used for elevator floor confirmation

Inputs:

Inputs 9-16: used as

Not used

Use as controller inputs

Used for elevator floor confirmation

Elevator door:

Elevator inputs:

OK

- Elevator inputs #1-8
- Elevator inputs #9-16
- Elevator inputs #17-24
- Elevator inputs #25-32
- Elevator inputs #33-40
- Elevator inputs #41-48
- Elevator inputs #49-56
- Elevator inputs #57-64

NOTE: This is an exclusive condition. You cannot select the same item in the **Inputs** drop-down menu and in the **Elevator inputs** drop-down menu because it will be a duplicate, and the system does not accept any duplicate. For example, **Inputs # 17-24** cannot be selected twice. Another way to let you understand this concept, is that in the **Elevator inputs** menu the same item will not be available for the same door. The same concept applies for the **Elevator outputs** menu.



- To add a KT-MOD-OUT16, select the **Output Module** tab and then click on **Add**. When you click on the **Add** button, a menu appears and lets you select which output module you want to add. Assign names to the modules in the language fields and choose the options.

Example with Outputs 1-8 Configured as Output Relays

The screenshot shows the configuration window for a KT-MOD-OUT16 module. The 'Output module' tab is active. A table lists the module components:

#	Description	Type
1	Output module	KT-MOD-OUT16
2	Relay module	KT-MOD-REL8

The 'Add' button is circled in red. Below it, a dropdown menu shows 'KT-MOD-OUT16' and 'KT-MOD-REL8'. The right side of the window is titled 'KT-MOD-OUT16: 16-Output Module (MOD-OUT16)'. It contains language fields for English ('Output module') and French ('Le module de sortie'). Under 'Outputs 1-8: Used as', the 'Use as output relays' option is selected. The 'Outputs' dropdown is set to 'Relays #97-104'. Under 'Outputs 9-16: used as', the 'Use as elevator equipment' option is selected. The 'Elevator door' dropdown is set to '(01.01) 01 - 01 - New site'. The 'Elevator outputs' dropdown is set to 'Elevator outputs #1-8'. An 'OK' button is at the bottom right.

Example with Outputs 9-16 Configured as Elevator Outputs

The screenshot shows the configuration window for a KT-MOD-OUT16 module. The 'Output module' tab is active. A table lists the module components:

#	Description	Type
1	Output module	KT-MOD-OUT16
2	Relay module	KT-MOD-REL8

The 'Add' button is circled in red. Below it, a dropdown menu shows 'KT-MOD-OUT16' and 'KT-MOD-REL8'. The right side of the window is titled 'KT-MOD-OUT16: 16-Output Module (MOD-OUT16)'. It contains language fields for English ('Output module') and French ('Le module de sortie'). Under 'Outputs 1-8: Used as', the 'Use as elevator equipment' option is selected. The 'Outputs' dropdown is set to 'Relays #1-8 (Replicate by onboard relay 1-4)'. Under 'Outputs 9-16: used as', the 'Use as elevator equipment' option is selected. The 'Elevator door' dropdown is set to '(01.01) 01 - 01 - New site'. The 'Elevator outputs' dropdown is set to 'Elevator outputs #1-8'. An 'OK' button is at the bottom right.



- To add a KT-MOD-REL8, select the **Output Module** tab and then click on **Add**. When you click on the **Add** button, a menu appears and lets you select which output module you want to add. Assign names to the modules in the language fields and choose the options.

Example with Relays 1-8 Configured as Elevator Outputs

#	Description	Type
1	Output module	KT-MOD-OUT16
2	Relay module	KT-MOD-REL8

KT-MOD-REL8: 8-Relay Module (MOD-REL8)

English: Relay module
French: Le module de relais

Relays 1-8: Used as
 Not used
 Used as relays
 Use as elevator equipment

Elevator door: (01.01) 01 - 01 - New site
 Elevator outputs: Elevator outputs #1-8
 Elevator outputs #1-8
 Elevator outputs #9-16
 Elevator outputs #17-24
 Elevator outputs #25-32
 Elevator outputs #33-40
 Elevator outputs #41-48
 Elevator outputs #49-56
 Elevator outputs #57-64

Buttons: Move up, Move down, Add, Remove, OK, Cancel, Help

Example with Relays 1-8 Configured as Relays

#	Description	Type
1	Output module	KT-MOD-OUT16
2	Relay module	KT-MOD-REL8

KT-MOD-REL8: 8-Relay Module (MOD-REL8)

English: Relay module
French: Le module de relais

Relays 1-8: Used as
 Not used
 Used as relays
 Use as elevator equipment

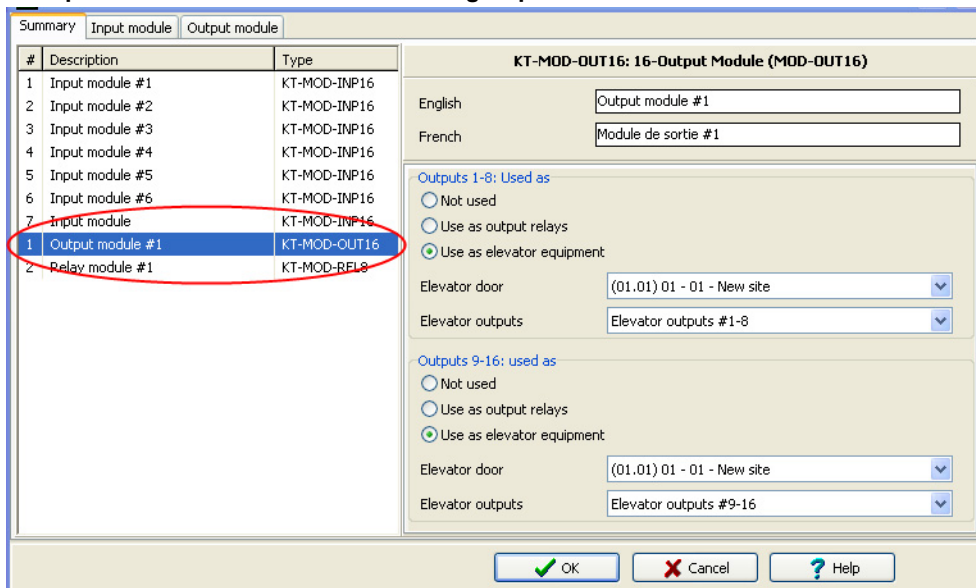
Outputs: Relays #9-16
 Relays #97-104
 Relays #105-112
 Relays #113-120
 Relays #121-128
 Relays #129-136
 Relays #137-144
 Relays #145-152
 Relays #153-160
 Relays #161-168
 Relays #169-176
 Relays #177-184
 Relays #185-192
 Relays #193-200
 Relays #201-208
 Relays #209-216
 Relays #217-224
 Relays #225-232
 Relays #233-240
 Relays #241-248
 Relays #249-256

Buttons: Move up, Move down, Add, Remove, OK

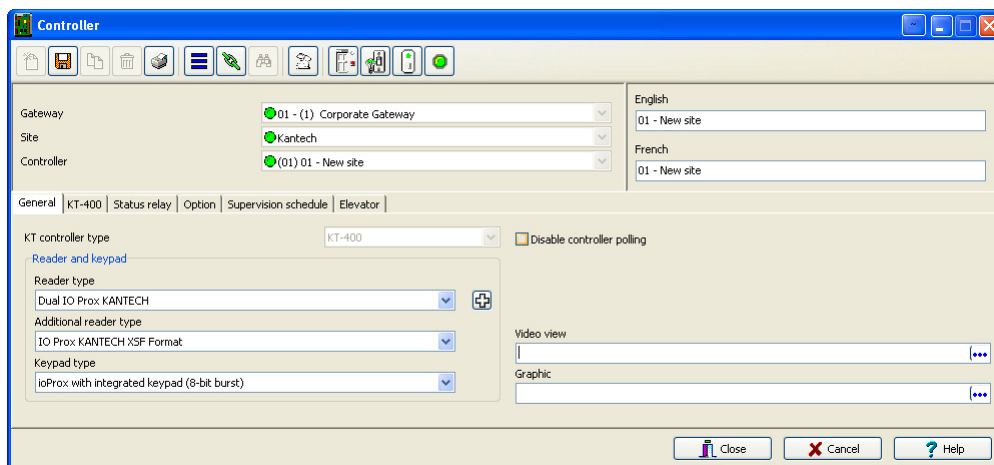
Warning: There are already 4 relays available on the KT-400. Make sure to check the relay number assignments to prevent redundancy unless it has been planned on purpose.

- From the **Summary** tab, you can modify all the modules. Make sure to highlight the module you want to modify in the left column before doing any modifications on the right side.

Example of Modifications for an Existing Expansion Module



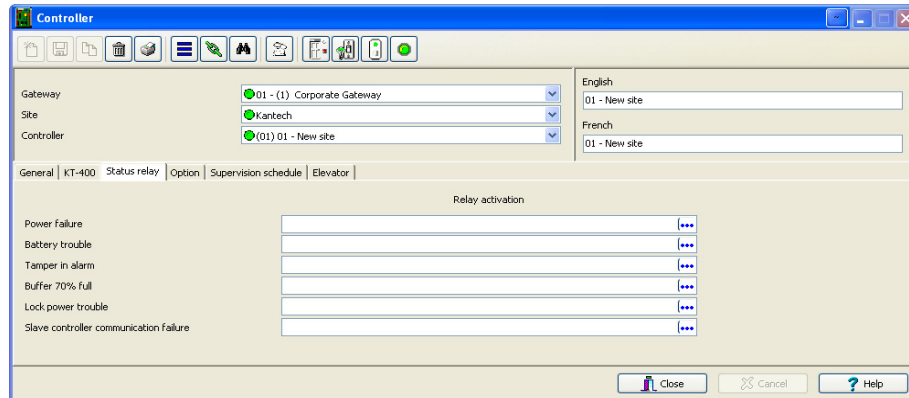
- When you have finished configuring the expansion modules, click the **OK** button to go back to the KT-400 configuration window.





Configuring the Status Relay Activations (for a Corporate Gateway Only)

- 1 Select the **Status relay** tab to program a relay or group of relays that will be activated when an event occurs.



Defining Controller Options

The **Option** tab enables operators to configure such features as:

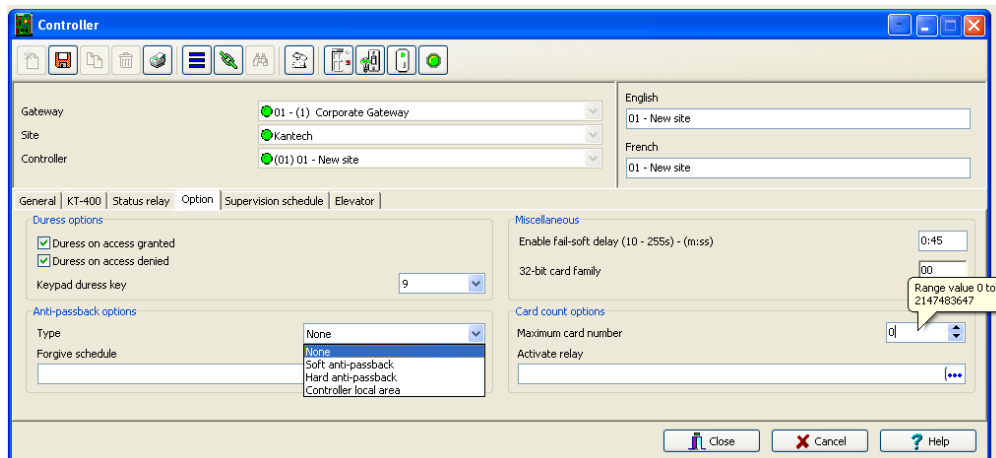
- Anti-passback (for synchronizing entry/exit readers)
- Duress function (for defining a panic button)
- Card count options (for specifying cards in an area), etc.



NOTE: The anti-passback option works with entry/exit readers. It allows security administrators to keep track of the number of monitored cardholders in an area. It is local to each controller defined by corresponding entry/exit readers. A relay can be activated when the counter reaches the number of cards defined to be inside the area; the relay is disabled when the number of cards in the area goes below the specified number.



- 1 In the **Controller** window, click the **Option** tab to define anti-passback options, duress options and card count options./



- 2 Determine the **Duress options**. When a duress option is selected, you have to assign a duress key, that is a silent panic key.
 - **Duress on access granted:** this option enables the duress key when access is granted.
 - **Duress on access denied:** this option enables the duress key, even when access is denied.
- 3 Select a duress key from the **Keypad duress key** drop-down list.



NOTE: For added security, you may select the two options.

- 4 From the **Anti-passback options** (available for the Corporate Gateway only), select the anti-passback option from the **Type** drop-down list: when an anti-passback option is enabled, a card cannot be used on an exit door unless it has been used on a corresponding entry door.
 - **None:** the anti-passback option is disabled.
 - **Soft anti-passback:** this option allows a cardholder to use an entry (or exit) reader more than once without using the corresponding exit (or entry) reader. Only an “**Access granted - Passback bad location**” event is sent to the Message desktop.
 - **Hard anti-passback:** a card used at an entry reader will not be able to access the same entry reader again until it has used the corresponding exit reader. Only an “**Access denied - Passback bad location**” event is sent to the Message desktop.
 - **Controller local area:** this selection enables the **Controller local area** tab. This option is only functional with the KT-400; the **Controller Local Area** tab will only appear with a KT-400.
- 5 In the **Forgive schedule** section, click the three-dot button to set a schedule for resetting the anti-passback option on all other cards.

NOTE: The **Forgive Schedule** section is enabled only when **Soft anti-passback** or **Hard anti-passback** item is selected.



- 6 In the **Miscellaneous** section, indicate options for **Enable fail-soft delay (10-255 s)**. During a fail-soft mode, the controller operates in stand-alone mode, following a communication failure.
- 7 Enter the **32-bit card family** code (optional). You can locate this hexadecimal code on the access card.
- 8 In the **Card count options**, use the up or down controls to set the maximum card number. The **maximum card number** allowed is 2,147,483,647. The system keeps track of the number of monitored cards that are in the monitored area and activates a relay when the count is reached. When users exit the area, the counter decrements and the relay will eventually reset when the count is smaller than the value defined.
- 9 You may configure the system to **Activate a single relay** or a **group of relays** when the maximum count is reached. Click the three-dot button to select the relay or relay group that will be activated when the number is reached.

NOTE: The **Activate relay** section is enabled only when *Soft anti-passback* or *Hard anti-passback* item is selected.

Defining the KT-400 Controller Local Areas

NOTE: The **controller local area** option is only available with the KT-400 on *Corporate Gateways* and *Entrapass Special Edition*.

- 1 In the **Controller** window, click the **Controller local area** tab to define up to 4 local areas.

#	English	French	Forgive schedule	Cards threshold	Deny access on area full	Activate relay
1	Local area #1	Local area #1	None	0	<input type="checkbox"/>	...
2	Local area #2	Local area #2	Always valid	0	<input type="checkbox"/>	...
3	Local area #3	Local area #3	None	0	<input type="checkbox"/>	...
4	Local area #4	Local area #4	None	0	<input type="checkbox"/>	...

- 2 Assign a name for both languages for the 1st controller local area.
- 3 Select the **Forgive schedule** from the drop-down menu.
- 4 Enter the maximum number of cards allowed in the **Cards threshold** field.
- 5 Check the **Deny access on area full** box to prevent more users to enter the area after the cards threshold has been reached.
- 6 Click on the three-dot to select the relay or the relay group to activate when the cards threshold has been reached.
- 7 Repeat **steps 2 to 6** for each controller local area.

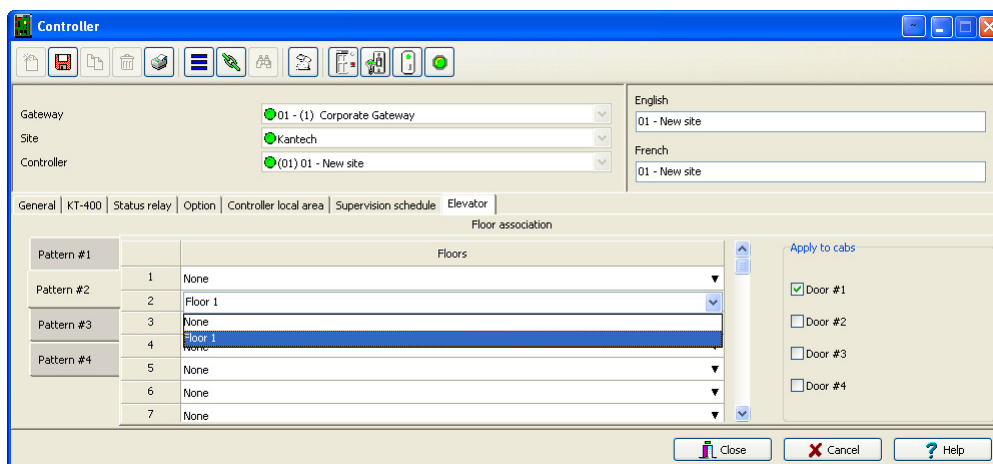
Defining the KT-400 Elevator Floor Associations

NOTE: The **Elevator** tab displays only when expansion modules have been defined as inputs or outputs for elevators under the **KT-400** tab, see *Configuring the KT-400 Expansion Modules* on page 76.

Associating Pattern With Door and Floor Numbers

For KT-400 controller only, it is possible to choose up to four patterns to define door and floor numbers that will be associated with each pattern. By default, pattern 1 specifies all door numbers.

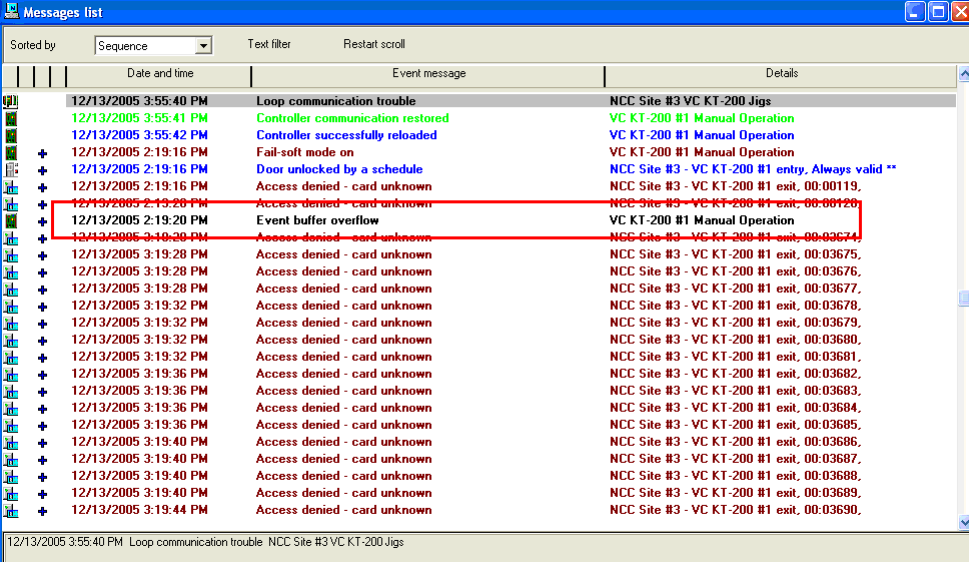
- 1 In the **Controller** window, click the **elevator** tab to define the floor associations.



- 2 In the **Elevator** tab, click **Pattern #2**, and then select the appropriate **Door** number check box(es).
- 3 From the **Floors** drop-down menu, select the appropriate item or floor number to associate with the door number and the pattern number.
- 4 Repeat **Steps 2** and **3** for each pattern.
- 5 Click **Save**.

Controller Event Buffer Overflow Message

When a controller is disconnected from the server, the controller buffer starts collecting the controller's events. When the buffer is full, it transfers the oldest events in a secondary buffer (50 to 100 bytes) that always contain 50 events. When the communication is restored, the system then starts sending messages to the Desktop Message List (shown below) to indicate that the buffer is full and that events are being deleted from the buffer.



Sequence	Date and time	Event message	Details
	12/13/2005 3:55:40 PM	Loop communication trouble	NCC Site #3 VC KT-200 Jigs
	12/13/2005 3:55:41 PM	Controller communication restored	VC KT-200 #1 Manual Operation
	12/13/2005 3:55:42 PM	Controller successfully reloaded	VC KT-200 #1 Manual Operation
	12/13/2005 2:19:16 PM	Fail-soft mode on	VC KT-200 #1 Manual Operation
	12/13/2005 2:19:16 PM	Door unlocked by a schedule	NCC Site #3 - VC KT-200 #1 entry, Always valid **
	12/13/2005 2:19:16 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:00119,
	12/13/2005 2:19:20 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:00120,
	12/13/2005 2:19:20 PM	Event buffer overflow	VC KT-200 #1 Manual Operation
	12/13/2005 3:19:20 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03674,
	12/13/2005 3:19:28 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03675,
	12/13/2005 3:19:28 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03676,
	12/13/2005 3:19:28 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03677,
	12/13/2005 3:19:32 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03678,
	12/13/2005 3:19:32 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03679,
	12/13/2005 3:19:32 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03680,
	12/13/2005 3:19:32 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03681,
	12/13/2005 3:19:36 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03682,
	12/13/2005 3:19:36 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03683,
	12/13/2005 3:19:36 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03684,
	12/13/2005 3:19:36 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03685,
	12/13/2005 3:19:40 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03686,
	12/13/2005 3:19:40 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03687,
	12/13/2005 3:19:40 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03688,
	12/13/2005 3:19:40 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03689,
	12/13/2005 3:19:44 PM	Access denied - card unknown	NCC Site #3 - VC KT-200 #1 exit, 00:03690,

- The controller will delete messages in FIFO order (First In, First Out). The oldest message will therefore be deleted first.
- When the controller is reconnected to the server, the controller events will be sent to the Message list all at once, in the following order: events in the controller's secondary event buffer; a single Event Buffer Overflow will display, followed by the list of events generated while the controller was disconnected from the server.
- In the Message List above, the highlighted error message "Event buffer overflow" is the 50th oldest controller event sent to the Message List.



Doors Configuration

This menu is used to define the door parameters on which readers and/or keypads are installed. A door can be considered as an elevator door, a Time & Attendance door, an entry door for anti-passback, an exit door for anti-passback or an access door. All this depends on how the settings are programmed.

The controlled door may be secured at all times or only during defined schedules. The common locking devices used are electric door strikes and electromagnetic locks.

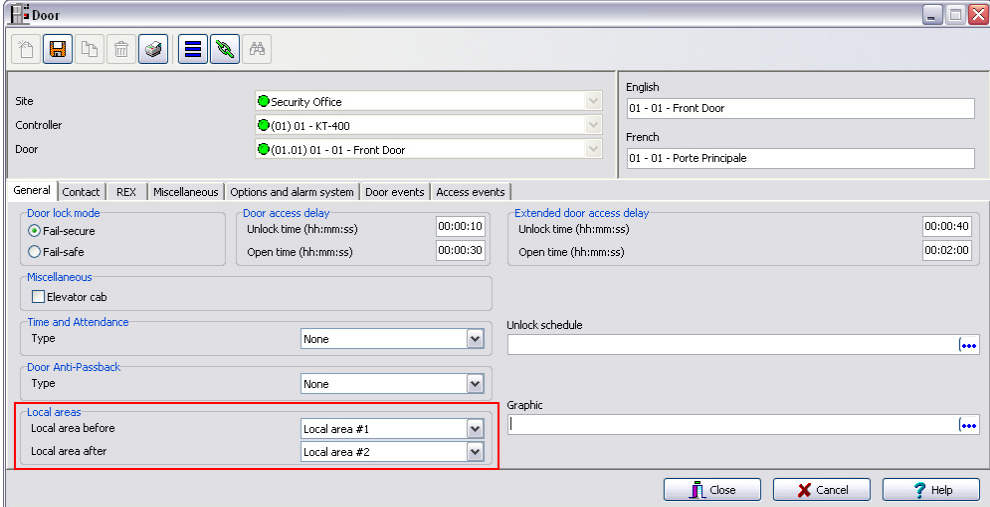
A door may be equipped with one or two readers, with one reader at each side. For doors equipped with two readers, the outer reader has to be defined as an entry reader and the inner reader as an exit reader.

Defining General Parameters for a Door

NOTE: When you are using the KT-300 system, you are working with *h:mm:ss* and the range value can be from 00:00:01 to 9:06:07. Each time you are using a KT-400 system, you are working with *hh:mm:ss* and the range value can be from 00:00:01 to 04:15 (255 sec.) for a KT-100, KT-200 and KT-300; or to 18:12:15 (65535 seconds) for a KT-400. So, please take this difference into consideration.

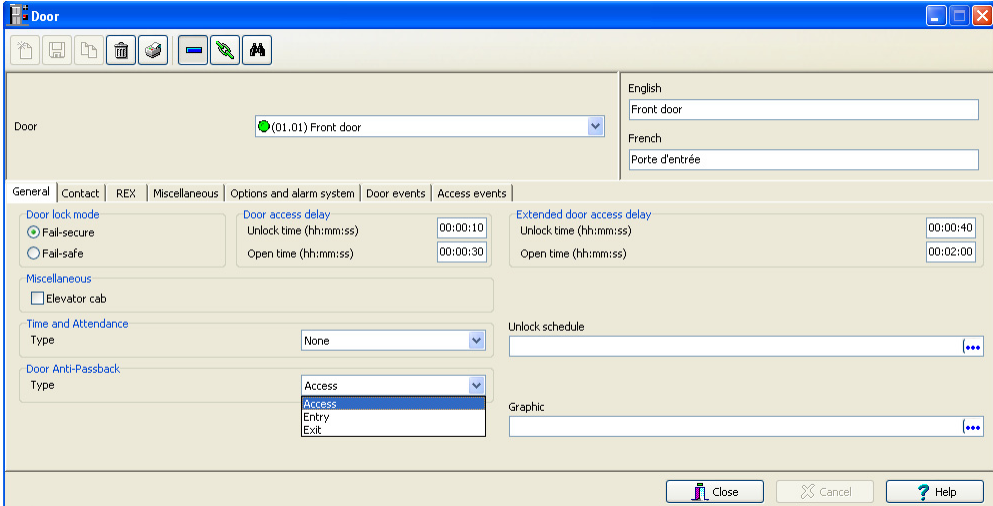
- 1 In the **Devices** toolbar, select the **Door** icon.

This screen only applies to a **KT-400 with Controller Local Areas**.



The screenshot shows the 'Door' configuration window. The 'Site' is set to 'Security Office', the 'Controller' is '(01) 01 - KT-400', and the 'Door' is '(01.01) 01 - 01 - Front Door'. The 'General' tab is active, showing 'Door lock mode' set to 'Fail-secure'. The 'Local areas' section is highlighted with a red box, showing 'Local area before' as 'Local area #1' and 'Local area after' as 'Local area #2'. Other settings include 'Door access delay' (Unlock: 00:00:10, Open: 00:00:30) and 'Extended door access delay' (Unlock: 00:00:40, Open: 00:02:00). The 'Miscellaneous' section has 'Elevator cab' unchecked. 'Time and Attendance' is set to 'None'. 'Door Anti-Passback' is also set to 'None'. The 'Graphic' field is empty.

This screen applies to controllers without **Controller Local Areas**.



The screenshot shows the 'Door' configuration window for a controller without Local Areas. The 'Door' dropdown is set to '(01.01) Front door'. The 'General' tab is active, showing 'Door lock mode' set to 'Fail-secure'. The 'Door access delay' (Unlock: 00:00:10, Open: 00:00:30) and 'Extended door access delay' (Unlock: 00:00:40, Open: 00:02:00) settings are visible. The 'Miscellaneous' section has 'Elevator cab' unchecked. 'Time and Attendance' is set to 'None'. The 'Door Anti-Passback' dropdown is open, showing options: 'Access', 'Entry', and 'Exit'. The 'Graphic' field is empty.

- 2 In the **Door** window, select a site (from the **Site** drop-down list) and the controller associated with the door you want to define.
- 3 From the **Door** drop-down list, select the door you want to modify or define. New items are identified with a red button. The button turns green once the item has been defined and saved.
- 4 From the **General** tab, specify the **Door lock mode**: Depending on the lock device used, the locked state will be energized or de-energized to lock.



- **Fail-secure:** The strike is locked when power is removed (door locks, door strikes).
 - **Fail-safe:** The lock output is energized to lock the door (electro magnetic locks).
- 5 Check the **Elevator cab** option if the door is to be used for elevator control. When this option is checked, the **Elevator** tab is displayed to define the unlocking schedules.
 - 6 Specify the **Time and Attendance type**:
 - **None:** The reader is considered as an access reader. An access reader generates only “Access granted/Access denied” events.
 - **Entry:** An entry door is an entry point. In order for the system to record an entry, the door must be opened after a valid access (if a door contact is installed).
 - **Exit:** An exit door is an exit point. In order for the system to record an exit, the door must be opened after a valid access (if a door contact is installed).

If the Controller Local Areas	then go to
are not enabled	Step 7.
are enabled	Step 9.

- 7 Specify the **Door Anti-Passback** type:
 - **Access:** The reader is considered as an access reader. **Anti-Passback** options are not used with access doors. An access reader generates only “Access granted/Access denied” events.
 - **Entry:** An entry door is an entry point. In order for the system to record an entry, the door must be opened after a valid access (if a door contact is installed).
 - **Exit:** An exit door is an exit point. In order for the system to record an exit, the door must be opened after a valid access (if a door contact is installed).
- 8 Go to **Step 11.**

NOTE: *None, Soft anti-passback and Hard anti-passback are used only with the KT-400 and Controller Local Areas.*

- 9 Specify the **Door Anti-Passback** type:
 - **None:** the anti-passback option is disabled.
 - **Soft anti-passback:** If the destination area is under Deny Access on Local Area Full, access is denied. When a user is passing his access card to a local area, for example, the system will allow him to access another local area even if the user was not in the **Local area before**. The system will generate the event: “**Access granted - Passback bad location**”.
 - **Hard anti-passback:** If the destination area is under Deny Access on Local Area Full, access is denied. A card used at an entry reader will not be able to access the same entry reader again until it has used the corresponding exit reader. The system will generate the event: “**Access denied - Passback bad location**”.
- 10 Specify the **Local area before** and **local area after**. These items are enabled and can be specified only for **Controller Local Area**.
- 11 Specify the **Extended door access delay**:



- **Unlock time (hh:mm:ss):** The time during which the door is unlocked on a valid card read or a valid request to exit event (when the REX is defined to unlock the door). The time range value can be from 00:00:01 to 04:15 (255 sec.) for a KT-100, KT-200 and KT-300; or to 18:12:15 (65535 seconds) for a KT-400. If this is an elevator door and a push button (input) is used to enable floor selection, this is the time during which a floor selection will be allowed. Usually, a longer period should be defined to allow the user to select floors. For more information, see *"Defining an Input for an Elevator Door"* on page 107.
 - **Open time (hh:mm:ss):** The time during which a door can remain opened following a permitted access or a valid request to exit request. This applies only to a door defined with a door contact input. The time range value can be from 00:00:01 to 04:15 (255 sec.) for a KT-100, KT-200 and KT-300; or to 18:12:15 (65535 seconds) for a KT-400. After this delay has expired, the system will generate the event "door open too long" and the door piezo will sound to warn the cardholder. You can use the Pre-alarm on door open too long (**Door** window, **Contact** tab) to sound the door piezo when half of this delay has expired. It will continue to sound until the door is closed.
- 12 The **Extended door access delay (hh:mm:ss)** feature allows to keep the door open for an extended period in order to allow people with disabilities to pass through without triggering an alarm. If you want to use this option, specify the delays in the **Unlock time** and **Open time** fields. The time range value, for both delays, can be from 00:00:01 to 04:15 (255 sec.) for a KT-100, KT-200 and KT-300; or to 18:12:15 (65535 seconds) for a KT-400.
 - 13 **Unlock Schedule** will allow the system to unlock the door for a predetermine period of time that you will select.
 - 14 Select a **Graphic view** to which the gateway is assigned, if applicable.

Defining Door Keypad Options

For KT-100 and KT-300 Controllers

Doors can be defined with relay activation when the * or # keys are pressed on the keypad. This option is available only for KT-100 (with firmware version 1.04 and higher) and KT-300 (with firmware version 1.16 and higher) controllers.

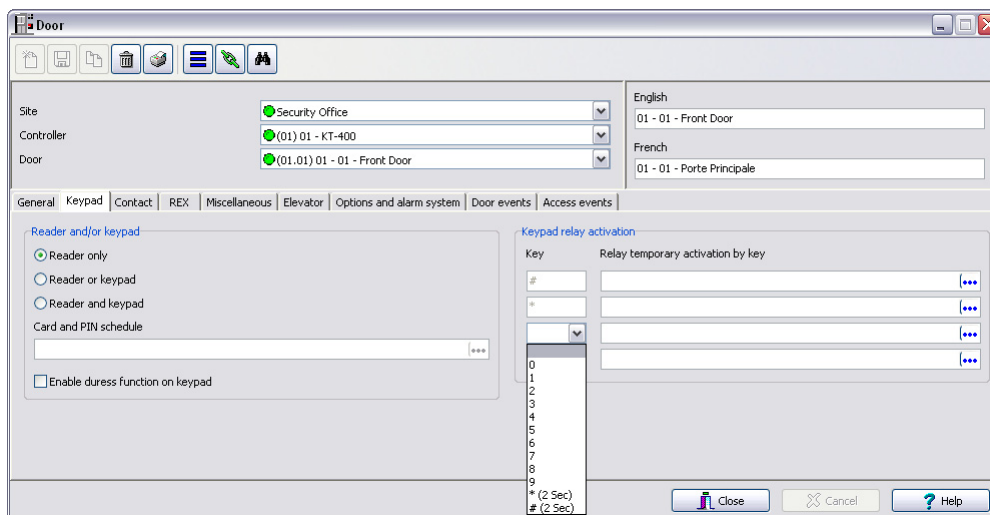
For KT-400 Controllers

Doors can be defined with relay or relay group activation by pressing any specified key on the keypad.



NOTE: The **Keypad** tab is enabled only if you have selected a **Keypad type** while defining the controller associated with the door being defined, see *"Select the Keypad type (if applicable)."* on page 75. There are 4 keys. The first 2 keys: # and * are fixed keys and they are similar and play the same role as in the KT-300 system. The 2 other keys: Key 3 and key 4 are variable according to the client's needs.

- 1 From the **Door** window, select the **Keypad** tab.



- 2 Specify how access to the door is controlled:
 - **Reader only:** Select this option if access is granted using a reader. A reader only installation is the most common application.
 - **Reader or keypad:** Select this option if access is granted using a reader or a keypad only. A keypad only installation is generally considered less secure than a reader only installation, because a user may “lend” its PIN to another person but cannot prevent further use (in comparison to getting a card back).



NOTE: This option can be enabled on a reader with an integrated keypad if you want, for instance, to use the keypad only.

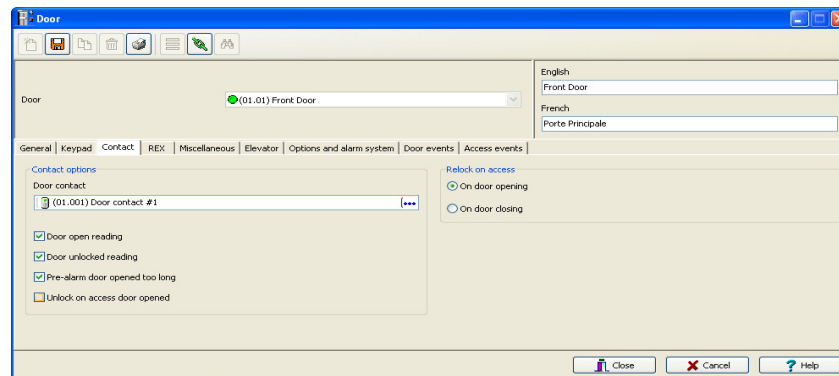
- **Reader and keypad:** Select this option if both a reader and a keypad are used to permit access to this door. The keypad will only be used when the “keypad schedule” is valid. Adding a keypad to a reader significantly increases the level of security. PIN code requirement can be limited by a schedule for use only outside business hours, for example, rather than during high traffic hours.
- 3 From the **Card and PIN schedule** menu, select a schedule during which cardholders will have to enter their PIN after a valid card read. The time allowed between a valid card read and entering the PIN at the keypad is set in the Gateway definition menu (**Time-out on keypad** option).
 - 4 Check the **Enable duress function on keypad** option, if desired.
 - 5 Select the **Keypad relay activation** key(s):
 - **For KT-100 and KT-300 Controllers:** For doors defined with keypad or reader and keypad, you can program the star key (*) or pound key (#) to activate a relay. When this feature is enabled, users can activate a relay simply by pressing the appropriate key.

- **For KT-400 Controllers:** For doors defined with keypad or reader and keypad, you can program *, # or any key to activate a relay or a relay group. When this feature is enabled, users can activate a relay or a relay group simply by pressing the appropriate key.

Defining Door Contact Options

In most applications, the low cost door contact is the only supervisory element that protects the investment made to control access to the door. The door lock and card reader (or keypad) provide security and prevent unauthorized entry only when the door is closed and locked. A simple door contact allows the ability to monitor several door conditions such as: door forced open, door open too long, interlock options (mantrap), etc.

- 1 In the **Door** window, select the **Contact** tab.



- 2 Select the door contact from the **Door contact** list.



NOTE: For KT-200 Controllers, Input 1 (door contact) and 2 (request to exit device) are ideally reserved for Door 1 of the controller whereas Input 9 (door contact) and 10 (request to exit device) are ideally reserved for Door 2 of the same controller. The input that is used for the door contact or REX contact SHOULD NOT have a “monitoring” schedule defined in the “Input Definition” menu.

- 3 Check the door reading options:
 - **Door open reading**—If selected, this option allows the system to read cards while the door is open. However the system will not unlock the door if it was locked. If selected, the event “Access granted” is generated. Otherwise, the event “Access granted - Door open” is generated.
 - **Door unlocked reading**—If selected, this option allows the system to read cards while the door is unlocked manually by the operator or by a valid unlock schedule. If selected, the event “Access granted - Door unlocked” will be generated on access. To ignore all access events while the door is unlocked, leave this option unselected.
 - **Pre-alarm door opened too long**—If selected, this option allows the system to generate the event “pre-alarm door open too long” and sound the door piezo when half of the delay defined in the **Open time** field is expired. It will continue to sound until the door is closed.

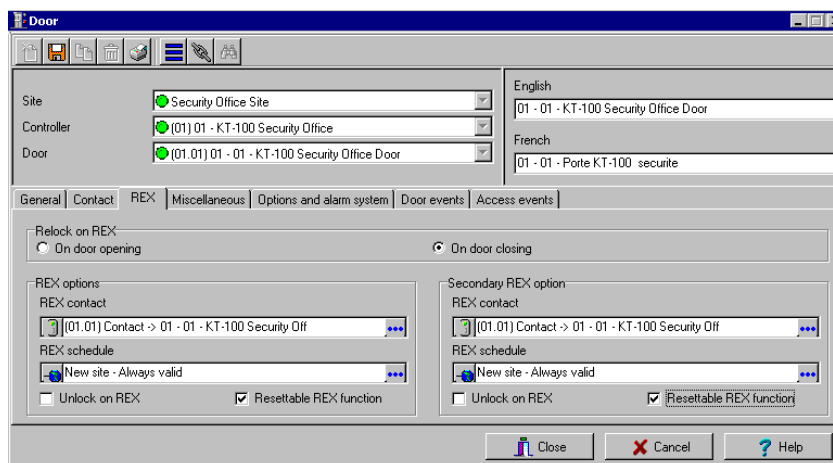


- **Unlock on access door opened**— If selected, this option allows the system to unlock access on door opened at any time.
- 4 Select the appropriate **Relock on access** option. You may choose to relock an access **On door opening** or **On door closing**.

Defining REX (Request to Exit) Options

A signal from the REX indicates that someone wants to exit through a controlled door. Devices such as motion detectors, push buttons can provide the REX signal. Entrapass enables users to configure doors with unlock time reset each time the primary or secondary REX is triggered. This option is available only for KT-100 (with firmware version 1.04) and KT-300 (with firmware version 1.16) controllers.

- 1 From the door window, select the **REX** tab, then check the appropriate **Relock on Rex** options:
 - **On door opening**, if you want the door device to re-lock following a valid access
 - **On door closing**, if you want the door device to re-lock when it closes.



- 2 For the **primary** and **Secondary Rex options**, make the appropriate choices:
 - Assign the **REX contact**: the input to which a “request to exit” detector can be connected. This input must be local; it has to be one of the inputs on the controller operating the door.
 - Select a **Rex schedule**: when this schedule becomes valid, the controller will detect request to exit signals originating for the exit contact. This option applies only to a door defined with a REX contact.
 - **Unlock on REX**: the door will be unlocked if a valid request to exit is permitted by the controller. This option may be useful on exit doors such as interior doors, shipping doors or other push doors through which people carrying packages may pass. The system will permit the exit and generates the “request to exit granted” event rather than “door forced open” event.
 - **Resettable REX function**: the unlock time is restarted on a valid request to exit. Open and unlock times are defined in the door definition (**Devices > Door > General**). Select this option for high traffic area doors such as manufacturing doors where many users may need

to exit at short intervals (for example after a work shift) to prevent unwanted door open too long or door forced open events.

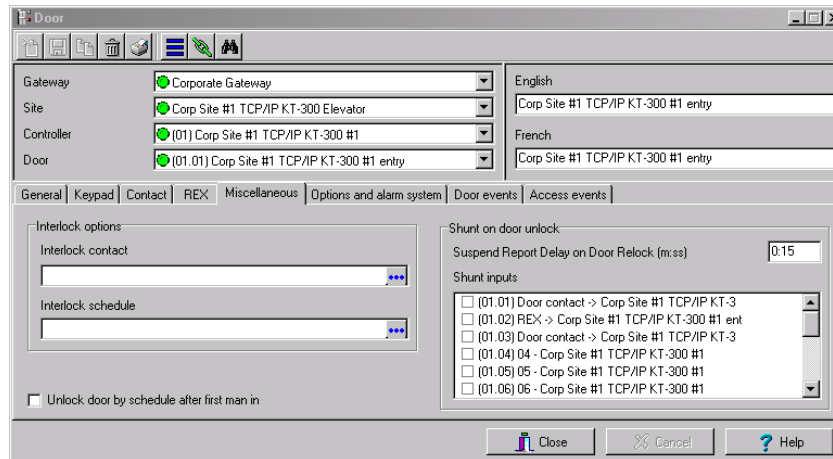


NOTE: It is recommended to choose either **Unlock on REX** or **Resettable Rex function**, not the two options at the same time. If you choose these two options, the door may remain unlocked for long periods of time. Moreover, these features should not be used if a door contact has not been defined.

Defining Interlock Options (Mantrap)

You may define interlock options (mantrap) between two doors to synchronize the time when these two doors are open/closed. The interlock options are also called the mantrap. This ensures that once the cardholder has accessed the first door, that door is closed and locked before the cardholder is granted access to the second door. The two doors have to be controlled by the same controller.

- 1 In the **Door** window, select the **Miscellaneous** tab.



- 2 From the **Door** drop-down list, select the first door for which you want to define interlock options (mantrap).
- 3 From the **Interlock contact** list, select the first input for the interlock options (mantrap). The selected input has to be the *door contact of the second door*.
- 4 Return to the **Door** drop-down list to select the second door for which the interlock options (mantrap) are being defined; then select the interlock contact for this second door. It has to be the door contact of the first door.
- 5 Select the **Interlock schedule**: the two doors must have the same interlock schedule. This is the schedule according to which the interlock is checked by the controller before access is granted to users.



NOTE: The interlock options (mantrap) are not available on doors controlled by a KT-100.

- 6 Check the **No lock by input when lock by alarm system armed** option when applicable.



- 7 Check the **Unlock door by schedule after first man in** option to unlock the door automatically when a first access card is granted.
- 8 The **Suspend report delay on door relock (hh:mm:ss)** indicates the time during which the selected inputs will not be monitored when the door unlocks. It is not possible to shunt a door contact since the system will automatically shunt it.
- 9 In the **Shunt inputs** scrolling pane, select inputs that will not be monitored when the door unlocks. Selected inputs or input group will remain unmonitored for the delay defined in the **Shunt delay** field.
- 10 granted to users.

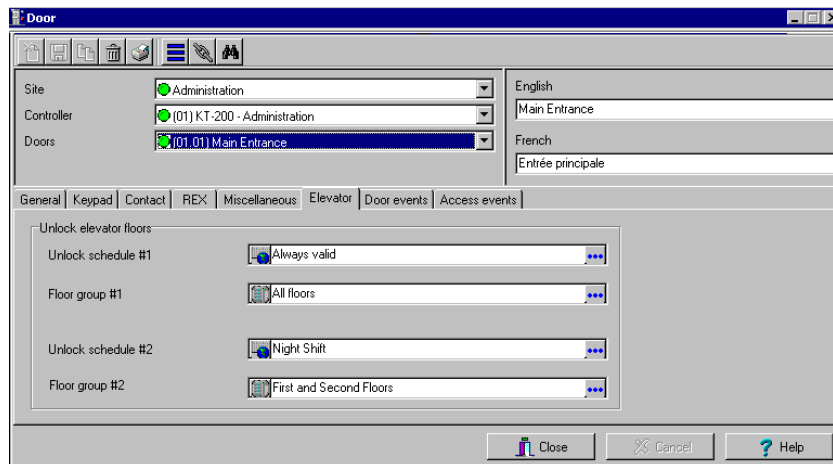


NOTE: The Shunt input items vary depending on the KT-300 or KT-400 system used.

Defining Elevator Doors

During a door definition, it is possible to specify whether it is a “regular door” or an Elevator cab (**Door** window, **General** tab). When a door is defined as an Elevator cab, an **Elevator** tab is displayed in the **Door** definition window. This tab is used to define the automatic unlock schedules for specific floor groups.

- 1 From the **Door** definition window, select the **Elevator** tab.



- 2 From the **Unlock schedule #1** list, select the applicable unlock schedule. By default, you may select the Always valid schedule. You may also create a new schedule (**Definition** menu, **Schedules**).
- 3 From the **Floor group #1** list, select the appropriate floor group associated with the **Unlock schedule #1**. Only floors that have a valid schedule in the **Floor group** definition will be unlocked or available for selection when the **Unlock schedule #1** becomes valid.
- 4 From the **Unlock schedule #2** list, select the schedule applicable to the second group of floors.
- 5 From the **Floor group #2** list, select the appropriate floor group. Only floors that have a valid schedule in the **Floor group** definition will be “unlocked” or available for selection when the **Unlock schedule #2** becomes valid.

**Important Notes:**

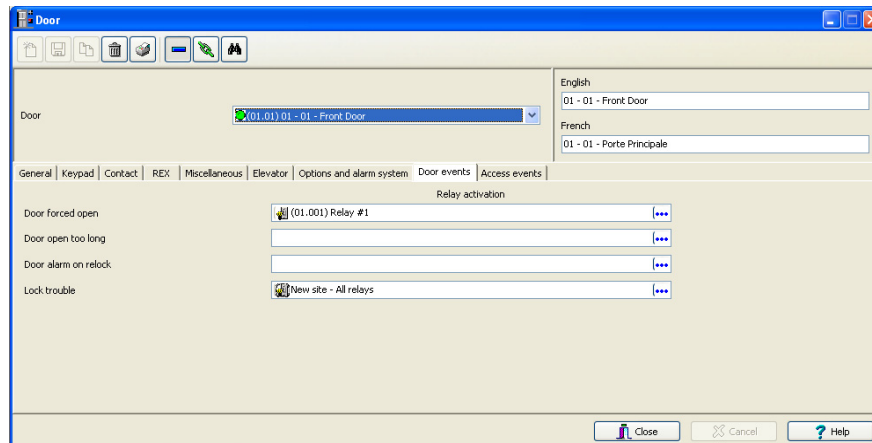
- The **Unlock schedule** defined during a door definition (**Door** menu, **General** tab) will **OVERRIDE** these schedules even if they are valid.
- Only one **Unlock schedule** can be valid at a time. For example if the first schedule (Unlock schedule #1) is valid from 6h00 to 9h00 and the second schedule (Unlock Schedule #2) is valid from 7h00 to 9h00, then Unlock schedule #2 will **NEVER** be valid since Unlock schedule #1 is already valid.
- Do not overlap schedules. For example, if the first schedule is valid from 8h00 am to 17h00 and the second schedule is valid from 16h00 to 21h00, the gap (between 16h00 and 17h00) can result in erratic operation of the elevator control system.
- Only floors that have a valid schedule in the Floor Group definition will be “unlocked” or available for selection when the unlock schedules become valid.



NOTE: For more information on how to program elevator control using REB-8 relays, see "Defining KT-200 Expansion Devices" on page 66.

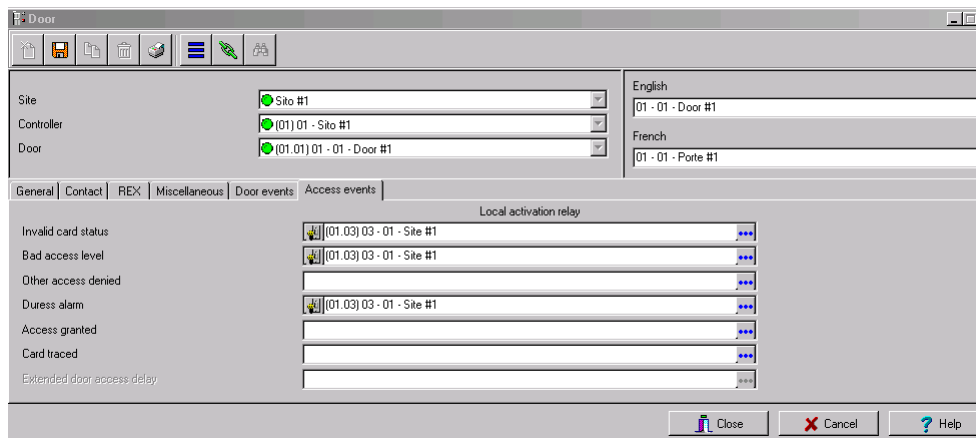
Configuring Door Events

- 1 In the **Door** window, select the **Door events** tab. This is to define the relays (or relay groups) that are to be activated on specified events. However, when you are using a controller other than KT-400, this tab is used to define relays only.



- 2 Select the relay that will be activated locally, on such events as: **Door forced open**, **Door open too long**, **Door alarm on relock** or **Lock Trouble**.

- Once all door event features have been set, select the **Access events** tab to define relays (or relay groups if you are using KT-400) that are to be activated on miscellaneous events.

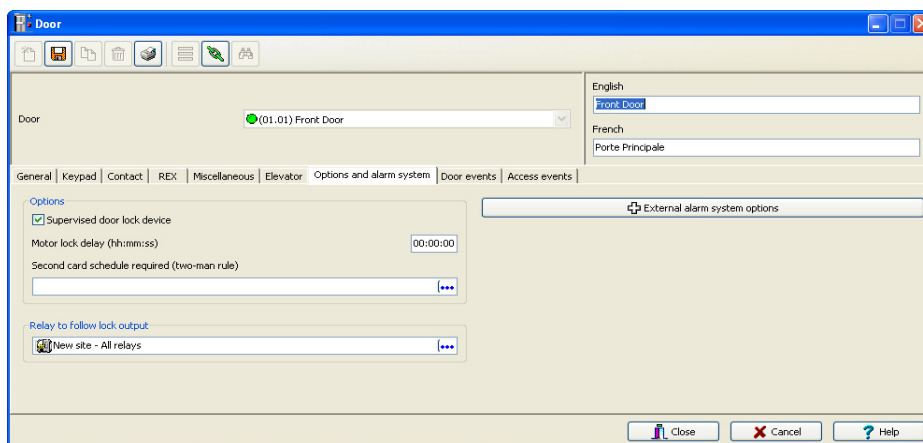


NOTE: *EntraPass offers you the ability to define a relay that will be activated if the **Extended delay** feature is used. The card used must be defined with this feature. Only KT-100, KT-300 and KT-400 can be configured with the **Extended door access delay** feature.*

- Select the relay that will be activated locally or the relay group when you are using KT-400, on such events as: **Invalid card status**, **Bad access level**, **Other access denied**, **Duress alarm**, **Access granted** and **Card traced**.

Defining Options for a KT-100, KT-300 and KT-400

- Select the **Options and alarm system** tab.



- **Supervised door lock device:** This feature is used in specific applications such as bank vaults to compensate for the slow motor locks. Adding this delay avoids false door forced open alarms if a user is opening the door before it has been completely secured at the end of unlocking delay. Check this option if you want to enable it in EntraPass.
- **Motor lock delay:** Enter the time period (hh:mm:ss) after which the door will be considered locked. The default value is 0:00 for inactive. For example, if this delay is set to 5 seconds and unlocking delay is 20 seconds after access granted; the lock output will deactivate after 15 seconds and no door forced open alarm will be generated if the door is opened during the last 5 seconds.
- If a second card read is required, select a schedule from the **Second card schedule required (two-man rule)** list.
- Relay to follow lock output: Only available for KT-400. The relay follows the lock output status.



NOTE: When KT-100, KT-300 and KT-400 are installed in a Corporate Gateway, the system offers the ability to interface an external alarm system.

Configuring External Alarm System Interfaces

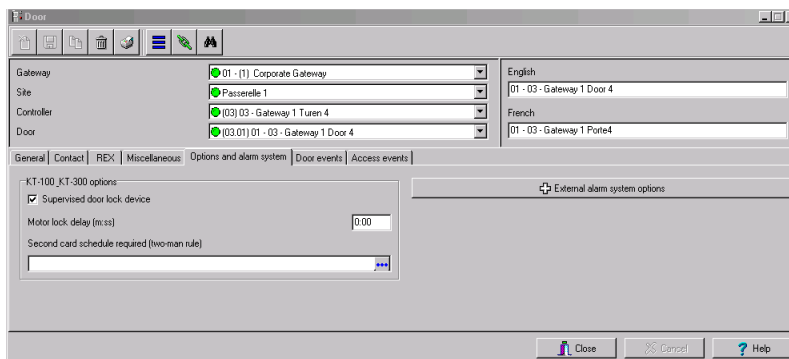
KT-100, KT-300 and KT-400 controllers offer the ability to interface with any external alarm system. When you add these Kantech controllers to an existing alarm system, cardholders can arm/disarm an existing system, simply by presenting a valid card on an entry/exit door. Adding a keypad will increase the system security since cardholders will be required to enter a PIN in addition to presenting a card.

There are five options to arm/disarm or postpone an external alarm system:

- On a valid card read on an arming reader
- On a valid arming code entered on a keypad
- By pressing a button on a keypad
- By pressing a button connected to an input
- By an automatic arming/disarming schedule

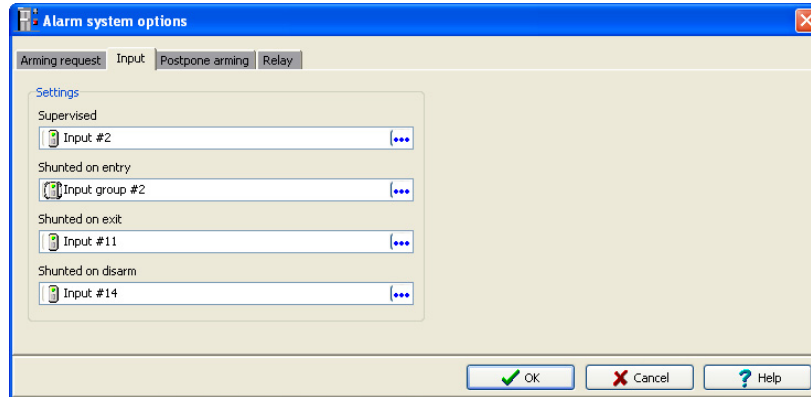
There may be a combination of the options. For example, an alarm system will be disarmed with a correct access code during a valid predefined schedule and after a valid card read.

- 1 Click the **External alarm system options** button located under the **Options and Alarm System** tab in the **Door** dialog. The Alarm system options dialog will display on screen.



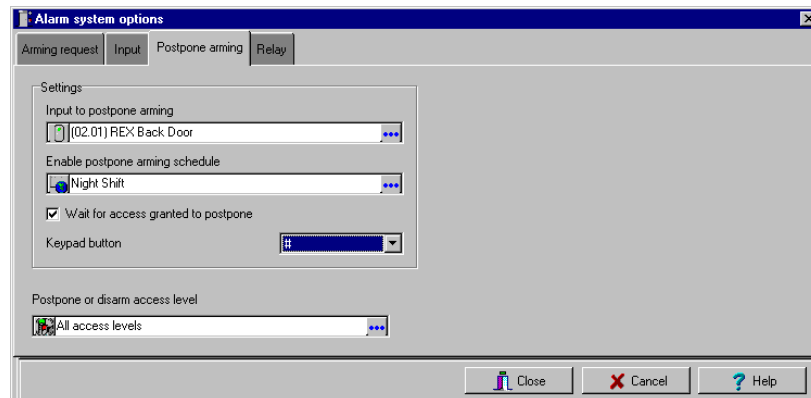
- 2 Under the **Arming request** tab, select the **Arming request input**. This is the input that is activated on an external alarm arming request.
- 3 Once you have selected an arming request input, you have to **Enable arming request schedule** during which the request will be valid.
- 4 If applicable, select an **Arming access level**.
 - The **Group** option allows you to select all access levels.
 - The **Single** option allows you to select a specific level.
 - If the level you want does not appear in the list, you may right-click in the **Arming access level** field to create a specific level to arm the external alarm system.
- 5 To increase the security of your alarm system:
 - **Wait for access granted to arm** will force the user to present a valid card before pressing the selected **Keypad button** option.
 - **Relock door on request to arm** will be used in conjunction with the **Wait for access granted to arm** to override the schedule.
 - **Relock door on arming after exit delay** will relock the door and arm the system after the pre-configure exit delay is over.
 - **Prevent arming request on input status** will prevent arming the system if an input is in alarm.
- 6 Specify the **Exit delay and Entry delay (hh:mm:ss)**. The **Entry delay** is the time during which the alarm system is bypassed after an access granted event. The **Exit delay** is the period before which the system is armed. The maximum values are 18:12:15 for both the exit and entry delays. When the KT-300 system is used, the maximum values are 9:06:07. Usually the entry delay is shorter than the exit delay.
- 7 Select the input that will indicate the **External alarm system panel status**. When the selected input status is “normal”, this indicates that the external alarm panel is armed.

- 8 Select the **Input** tab to define input devices that will be supervised or shunted (no supervision) when the alarm system is armed. The input description column contains all the inputs that are defined in the system.



- In the drop-down menu, select the appropriate input where you want an external alarm system to supervise them; in the second drop-down menu, select the appropriate item for which you want to suspend supervision (on entry, on exit, or when the alarm system is disarmed).

- 9 Select the **Postpone arming** tab to select the **Input to postpone arming**.



- 10 Select the applicable schedule from the **Enable postpone arming schedule**.
- 11 You may check the **Wait for access granted to postpone** box. If this option is checked, the alarm system will be postponed only after a valid card read and the cardholder will then press the selected **Keypad button** to postpone the external alarm system.
- 12 Select the **Postpone or disarm access level** from the list.



- 13 Select the **Relay** tab to define a relay or a group of relays (available only when you are using a KT-400 system) and input status for the external alarm relays.



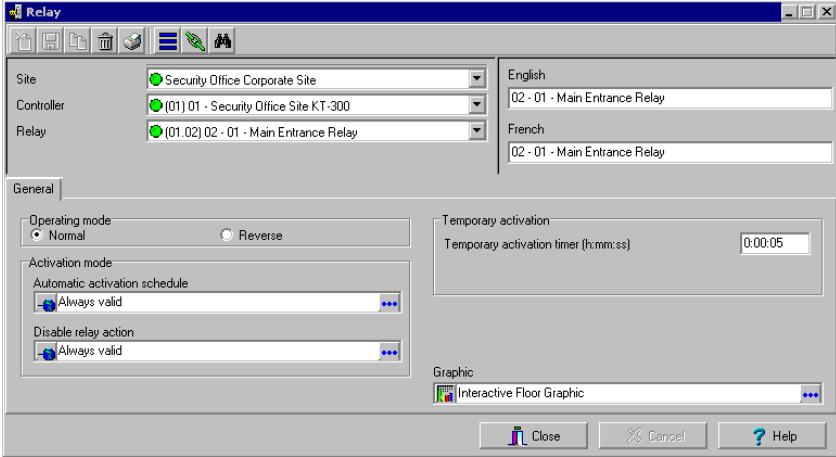
NOTE: When you select an **Alarm relay**, you may specify its **Activation type**. It may be activated permanently or temporarily.

Relay Configuration

The output control relays provided on each KT-100, KT-200, KT-300 and KT-400 can be used to activate alarms or other devices such as lighting control, ventilation, and air conditioning. These relays can be activated according to schedules, events reported by the system. They can also be activated to indicate the status of an alarm system or a combination of different logic conditions.

Defining Relays

- 1 From the **Devices** definition tab, select the **Relay** icon.



- 2 Select the **Site** and the **Controller** from the displayed drop-down lists, then select the relay for which you want to define settings.
- 3 Specify the **Operating mode** for the relay:
 - **Normal**: the relay is normally de-energized (deactivated) until it is energized (activated) by an operator, an event or any other system schedule.
 - **Reverse**: the relay is normally energized (activated or resting) until it is de-energized (deactivated) by an operator, an event or any other system function.
- 4 Specify the **Automatic activation schedule**: when this schedule is valid, the relay will be triggered (activated or deactivated) according to the specified activation mode.
- 5 Specify the **Disable relay action**: when this schedule is valid, the relay will be deactivated (or activated) according to the predefined operating mode.
- 6 Set the **Temporary activation timer** to indicate the delay during which the relay will be temporarily triggered following a temporary activation.



NOTE: When the timer is set to zero, the default activation delay is set to five seconds. Maximum time allowed: 9:06:07 (9 hours, 6 minutes and 7 seconds). When you are using the KT-400, the maximum time allowed is 18:12:15 (18 hours, 12 minutes and 15 seconds).

- 7 Select a **Graphic view** associated with the relay, if applicable.



Input Configuration

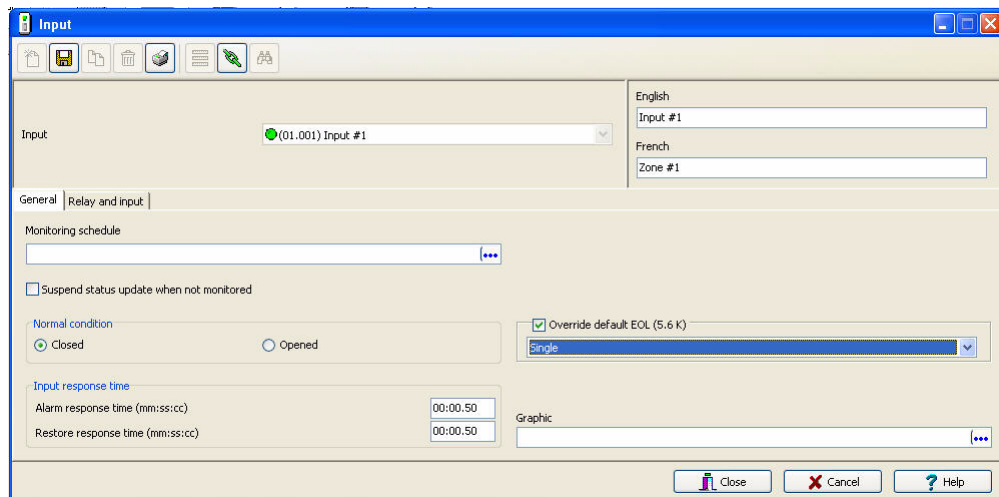
Door controllers can monitor the state of input points such as: door contacts, interlocks, alarm points, motion detectors, temperature sensors, any REX and other devices with dry contacts. KT-100 monitors the state of 4 input points, KT-200 monitors the state of 16 input points, and KT-300 monitors the state of 8 on-board input points, with a maximum capacity of 16.

- **For KT-200 only.** Inputs are normally closed or normally open dry contacts connected in series with one resistor. If the dry contact is connected in series with the green resistor, the input number will be odd. If the dry contact is connected in series with the red resistor, the input number will be even.
- **Input 1** (door contact) **and 2** (request to exit device) are ideally reserved for Door 1 of the controller whereas Input 9 (door contact) and 10 (request to exit device) are ideally reserved for Door 2 of the same controller. The input that is used for the door contact or REX contact **SHOULD NOT** have a “monitoring” schedule defined in the “Input Definition” menu.
- **For KT-100 Controllers.** Input 1 is reserved for door contact while input 2 is reserved for a request to exit device.
- **For KT-300 Controllers.** Input 1 should be reserved for contact on door 1 while input 2 should be used for request to exit device for door 1 of the controller. Input 3 should be reserved for contact on door 2 while input 4 should be used for request to exit device for door 2 of the controller.
- **For KT-400 Controllers.** **Input 1** should be reserved for contact on door 1 while input 2 should be used for request to exit device for door 1 (REX Door #1) of the controller. Input 5 should be reserved for contact on door 2 while input 6 should be used for request to exit device for door 2 of the controller. Input 9 should be reserved for contact on door 3 while input 10 should be used for request to exit device for door 3 of the controller. Input 13 should be reserved for contact on door 4 while input 6 should be used for request to exit device for door 4 of the controller.

Defining Input

You may define Input devices from the **Controller** definition menu or from the **Devices** definition window.

- 1 From the **Devices** definition tab, select the **Input** icon.



- 2 Select a specific site (from the **Site** drop-down list), a controller (from the **Controller** drop-down list).
- 3 From the **Input** drop-down list, select the input you want to define.
- 4 Assign a **Monitoring schedule** to the selected input: this is the schedule during which the system will supervise the condition of the input. When the schedule is valid, a change in input condition generates either an “Input in alarm” or “Input restore” event.



NOTE: The input that is used for the door contact, REX contact or interlock contact **SHOULD NOT** have a monitoring schedule.

- 5 Specify the **Normal condition** for the input: it may be **Closed** or **Opened**.
- 6 By default, Entrapass will not select the **Controller report input state when not supervised check box**. This is to keep data traffic at a minimum. However, this option can be enabled if necessary.
- 7 Specify the **Input response time**. This delay corresponds to a period within which an input must remain in the same state before a transition is recognized. This delay is expressed in minutes (mm:ss:cc). The maximum time is 10:55:35 for both the alarm response and alarm restore times.
 - **Alarm response time (mm:ss:cc):** The delay before the system generates the input and alarm event.

- **Restore response time (mm:ss:cc):** The delay before the system generates the input restore events



NOTE: Specifying the input response time allows bouncing time when the contact changes state, and helps to generate only one event for each transition if this time is longer than the bouncing time. For example, a 01:00:00 delay requires that a condition remains stable for at least one minute before it is reported.

NOTE:

- 8 Select a **Graphic view** associated with the input, if applicable.

Defining Relays and Inputs

- 1 Select the **Relay and input** tab to define which relay(s) or input(s) will be activated or shunted when this input is enabled.

The screenshot shows the 'Input' configuration window with the 'Relay and input' tab selected. The 'Relay' section includes an 'Activate relay' checkbox (checked) and a dropdown menu showing 'Site 45 - All relays'. Below it is an 'Activate relay temporarily' checkbox (unchecked). The 'Input' section includes a 'Shunt input' checkbox (checked) and a dropdown menu showing 'Site 45 - All inputs'. Below it are 'Shunt input temporarily' (unchecked) and 'Reset delay for shunt temporarily' (unchecked) checkboxes. At the bottom, the 'Temporary shunt timer (h:mm:ss)' is set to '0:00:00'. Buttons for 'Close', 'Cancel', and 'Help' are at the bottom right.

- 2 From the **Activate relay** list, select a relay or a relay group that will be triggered when this input is enabled.
- 3 **Activate relay temporarily** will activate the relay according to the **Temporary activation** parameters defined in the Relay dialog.



NOTE: Setting the timer to 0:00:00 will instruct the relay to follow the input's state.

- 4 In the **Temporary Shunt Timer (h:mm:ss)** field, specify the period during which an input is not monitored. Setting the timer to 0:00:00 will instruct the relay to follow the input state. The maximum value for the Shunt delay (hh:mm:ss) is 18:12:00 when you are using the KT-400.



NOTE: For the system to process properly the reset delay on a temporary shunt, the **Temporary Shunt Timer** option must be set in the definition of the input that will reset the delay. For example, if Input 1 will temporary shunt Input 2, the **Temporary Shunt Timer** must be specified also in the definition of Input 2.

- From the **Shunt input** list, select the input that will not be monitored when the input being defined is enabled.



NOTE: When the input is restored or returns to normal condition, the shunted input will also return to normal condition. The event “Input shunted by input” will be generated by the system. When the input returns to normal condition, the event “Input unshunted by input” will be generated.

Defining an Input for an Elevator Door

When the input being defined or edited is used for elevator control, an **Elevator** tab is displayed in the Input definition window.

You may associate an input to a push button. It can then be used by a guard or by a receptionist to temporarily enable the floors defined in the Floor group activation section.

- In the Input definition window, select the **Elevator** tab.

The screenshot shows the 'Input' configuration window with the 'Elevator' tab selected. The 'Input' field is set to '(04.01) 01 - 04 - Security Office Site'. The 'English' label is '01 - 04 - Input Security Office Site' and the 'French' label is '01 - 04 - Entree Bureau securite'. Under 'Select cab for floor group activation', 'Cab #1' is selected. Under 'Floor group activation', 'East' is selected for the 'Floor group' and 'Always valid' is selected for the 'Enable schedule'.

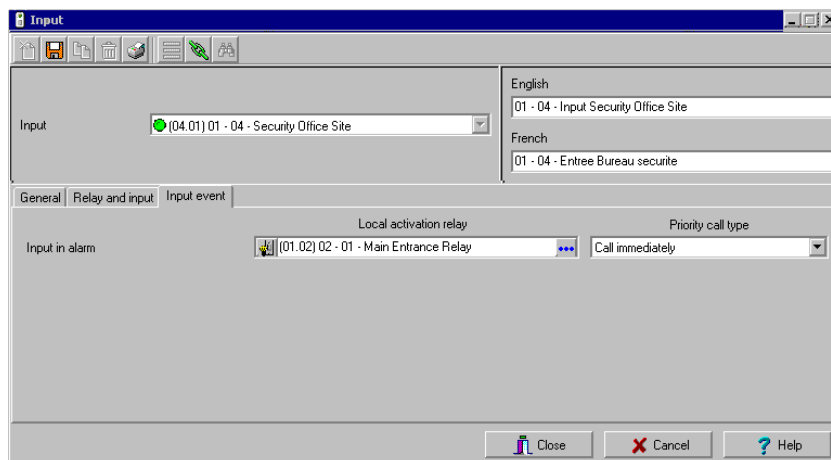


NOTE: Only the floors marked with an “X” in the **State** column in the Floor group menu will be available for selection. The system will temporarily enable floor selection according to the delay defined in the **Unlock time** of the **Door** menu. A valid schedule has to be selected (Enable schedule list) for this feature to be activated. It may be necessary to define a door as an elevator cab to access this tab.

- In the **Select cab for floor group activation** section, select the cab associated with the input.
- Select the **Floor group** associated with the selected cab, that will be enabled when the input is triggered.
- Select a schedule according to which the defined input will carry out this command.

Enabling Remote Event Reporting

- 1 Select the **Input event** tab.



- 2 From the **Local activation relay** list, select a relay or a relay group that will be triggered when this input is in alarm (activated).

NOTE: The relay group is only available when you are using KT-400.

- 3 Under **Priority call type**, assign the call type option that best suits the reporting of the event which triggered the input.



NOTE: To access the **Priority call type** feature, the site connection type must be set to **Modem**.



Output Device Configuration

Outputs usually control the reader LED and buzzer. There are four outputs available per KT-200, KT-300 (2 per door), but there are 16 outputs for KT-400 controllers (4 per door). A KT-100 supervises the state of two outputs.

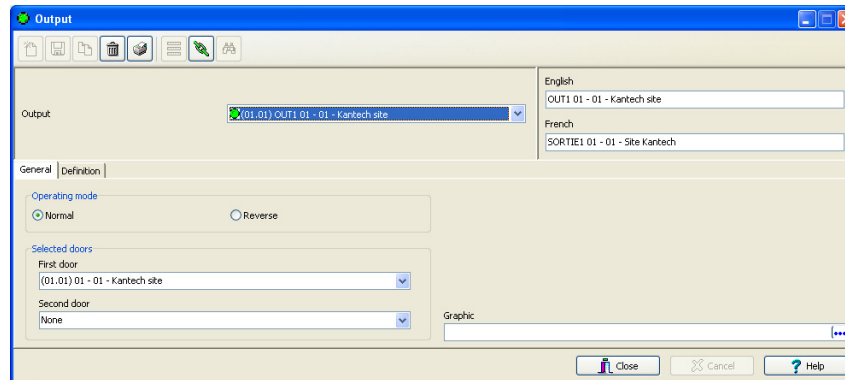
Electrical outputs are configured as open-collector. They provide an open circuit when deactivated (not connected to ground) and are switched to ground when activated.

You may configure Output devices from a controller definition menu or from a gateway window.

Defining General Options for an Output

- 1 From the Devices configuration window, select the **Output** icon.

NOTE: The *Miscellaneous* section is hidden in the case of using the KT-400 system because the items are already defined in the Gateway/KT-400 events.



- 2 Select the physical components related to the output: gateway, site, controller for the output.
- 3 From the **Output** drop-down list, select the output you are modifying.
- 4 Specify the **Operating mode** for the output device:
 - **Normal**—The output is switched to ground when it is activated.
 - **Inverse**—The output is an open circuit (not grounded) when it is activated.
- 5 In the **Selected doors** section, select which door will affect the output you are configuring:
 - **First door**—Only the first door port will follow the state programmed for these events.
 - **Second door**—Only the second door port will follow the state programmed for these events.



NOTE: This option is not available with KT-100.

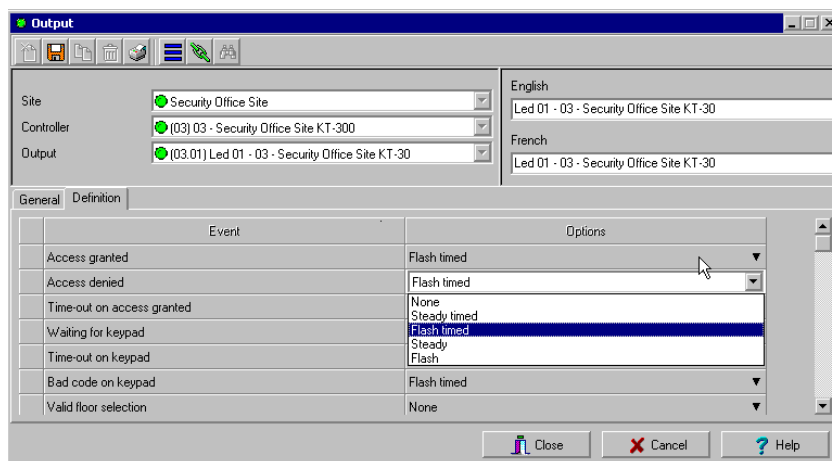
- 6 Set the **Activation period (m:ss) delay**. It defines the activation time in seconds during which the output remains active when it is programmed for a temporary activation. An e will leave the output activated indefinitely, regardless of the activation type.

NOTE: This option is not available when you are using the KT-400.

Associating Events with Auxiliary Outputs

System events can trigger auxiliary outputs. You can define how each event will trigger the output.

1 Select the **Definition** tab to associate a door event with an auxiliary output.



2 In the **Options** column, associate an event with an output state.

- **Steady timed**—The output given this option will not flash, it will remain activated for the specified activation period and will return to normal state when the activation period is over.
- **Flash timed**—The output will flash and remain activated for the specified activation period and will return to its normal state when the activation period is over.
- **Steady**—The output given this option will not flash, it will remain activated until it returns to normal condition.
- **Flash**—The output will flash and remain activated until its condition returns to normal.

Chapter 5 • Definitions

Use the **Definition** toolbar to define the system logical components such as:

- Schedules
- Floors
- Graphics
- Holidays

Schedules Definition

A schedule indicates when the system will execute certain operations such as automatically unlocking doors, permitting access to employees, running automatic reports, monitoring inputs, etc. It also determines when events are to be acknowledged or when to activate relays controlling different functions (lighting, heat, etc.).

You can use the same schedule in different menus, but it is recommended to create a different schedule for each application, because it is much easier to modify a particular schedule without affecting other applications.

Each schedule is composed of four intervals. Each interval has a starting and ending time. Each of these intervals can be individually selected for the seven days of the week, and for 4 holidays.

EntraPass gives you the possibility of programming 99 schedules per site and an unlimited number of system schedules. To do so, you must activate the **Upgrade to advanced schedule capability** option in the **System parameters** dialog (**Option > System parameters**).



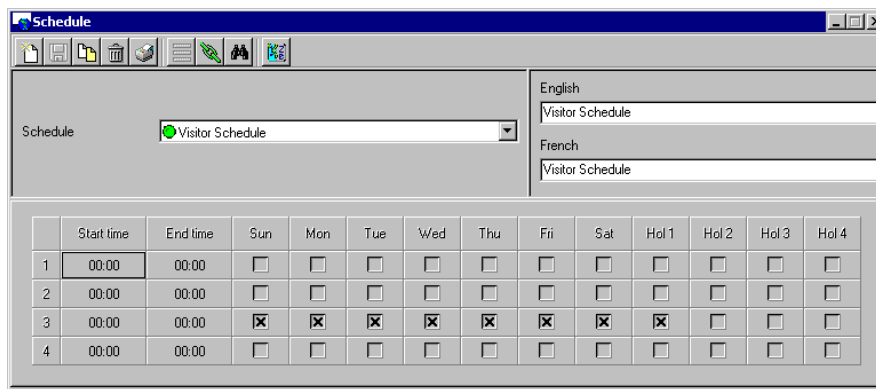
NOTE: For more information, please see "Icon Status" on page 326.

EntraPass supports one group of schedule:

- **System schedules:** System schedules for global functions such as event parameters, operators login schedules. These are not loaded in controllers.

Defining a Schedule

- 1 From the EntraPass main window, click the **Definition** tab. Then click the **Schedules** icon from the **Definition** toolbar.



- 2 From the **Schedule** drop down list, select the schedule you want to modify or click the **New** icon to create a new one.
- 3 Assign a name (or modify an existing one) to the schedule. It is recommended to choose a meaningful name.

- You can click the **Holiday** icon in the toolbar to view the list of holiday that are defined in the system.



NOTE: *EntraPass supports four types of holidays.*

- Specify the **Start time**: this is the scheduled time when the interval becomes valid. It will become invalid when the end time has been reached.
- Specify the **End time**: this is the scheduled time when the interval is no longer valid.



NOTE: *Start and end times are in 24-hour time format; this gives a range from 00:00 to 24:00. For any interval, the end time must be greater than the start time.*

- Check the Days of the week during which this schedule interval will be valid. To do this, click in the check box below each day.
- Check the holiday type (**Hol1**, **Hol2**, etc.) column checkbox if you have defined four holidays in the Holiday definition menu and you want this interval to be valid during a holiday.

To Create a 2-day Continuous Interval

To create an interval from Monday 20:00 (8:00 PM) to Tuesday 08:00 AM, the schedule must be divided into two intervals:

- First define an interval for Monday from 20:00 to 24:00;

	Start time	End time	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Hol1	Hol2	Hol3	Hol4
1	20:00	24:00	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	00:00	08:00	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3	00:00	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4	00:00	00:00	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

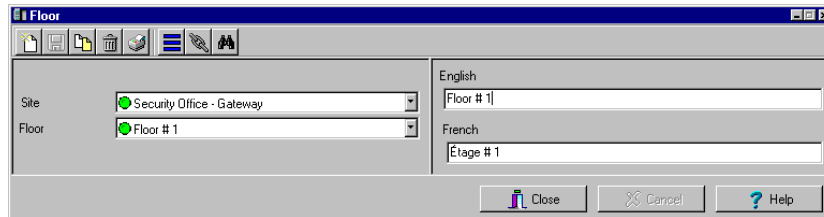
- Define a second interval for Tuesday from 00:00 to 08:00. The system considers these two intervals as one continuous interval.



Floors Definition

The Floor dialog is used to create or edit elevator floors. Once the floors are created, they are grouped and associated with a schedule that will define when access is permitted.

- 1 In the **Definition** toolbar, click the **Floor** icon.



- 2 In the **Site** drop-down list, select the site for which you are defining floors. This allows you to minimize the list of components defined in the system.
- 3 Select a floor or click the **New** icon to create a new floor group.
- 4 Assign a meaningful name to the floor, then click the **Close** button. The system prompts you to save.

Graphics Definition

A graphic corresponds to the secured area of the system where components (Entrapass applications, controllers, inputs, relays, etc.) are located on a site.

With graphics, operators can easily view the exact location of a component installed on a site, or the status of components and devices such as doors, contacts, motion detectors, controllers, assigned to the graphic. Operators can perform manual operations directly from the displayed component (for example, locking/unlocking a door).

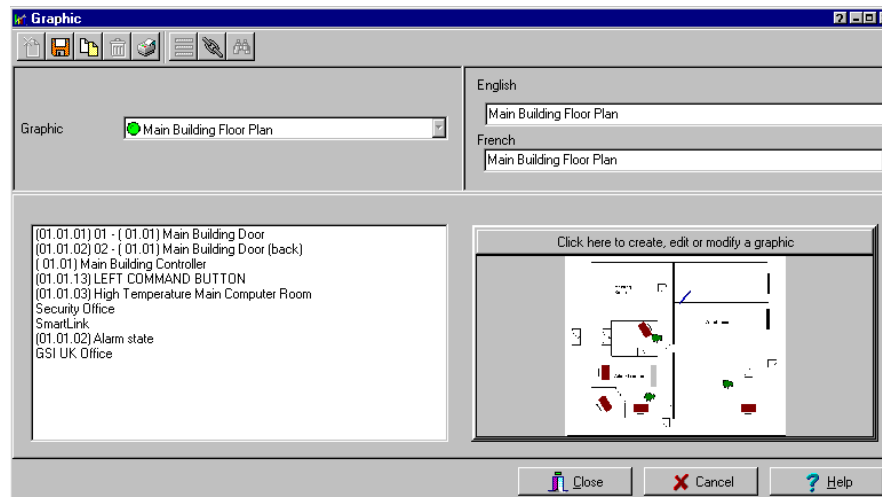
You can create as many graphics as you need. Each graphic can display up to 250 components. You may also import graphics or maps from other programs in the following formats (BMP, EMF, WMF, JPEG, GIF, PCX, PNG, TIF or PCD).



NOTE: Entrapass offers users four sample floor plans. You can customize them to suit your system needs. The sample floor plans are located at: *C:\Program Files\Kantech\Server-SE\Generaldata\Demobmp* folder.

Defining Components of a Graphic

- 1 In the Definition toolbar, click the **Graphics** icon.



- 2 From the **Graphic** drop-down list, select the graphic you want to modify, or click the **New** icon to create a new one.
- 3 Assign a name to the graphic (or modify the existing name).

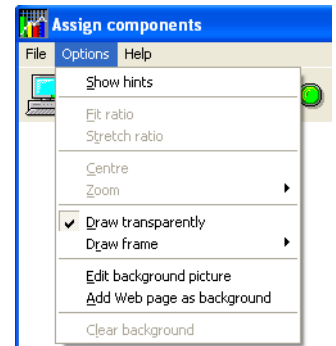


NOTE: When you select an existing graphic, or when you create a new one, all the components that are assigned in your graphic are displayed in the left-hand pane. The right-hand part of the window displays the graphic itself.

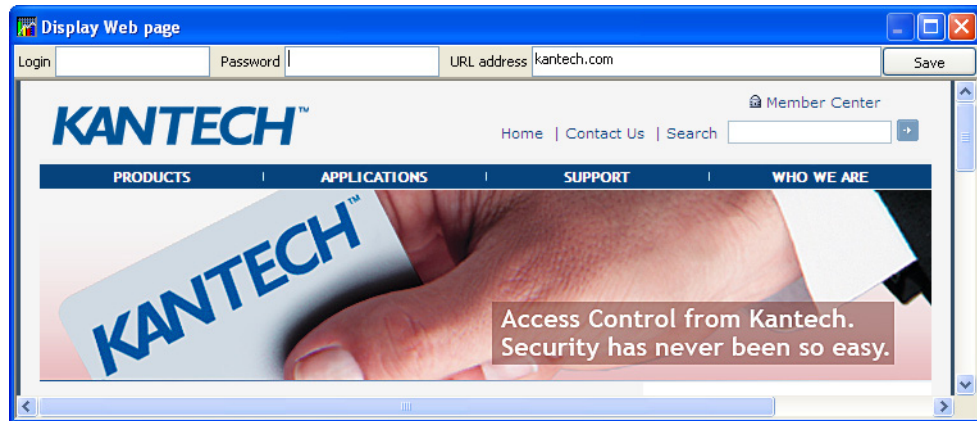
- 4 From the **Graphic Definition** window, **Click here to create, edit or modify a graphic** to bring up the **Assign Components** window.



- 5 Click on the **Options** menu to display a pull down menu of drawing options. A check mark appears next to an option that is activated.
 - **Show hints** provides the component's name (component's address and name) when you point your mouse cursor over that graphic.
 - **Draw transparently** will place a transparent icon on top of a background picture for a blended effect.
 - **Draw frame** draws a frame around the component. **Frame color** indicates the current frame color and allows you to change the color.
 - Select **Edit background picture** to edit the background of the selected graphic. From this window you can modify the graphic's frame and background color and add annotations.
 - Select **Add Web page as background** to have a Web page as background. Enter the **URL address** of the site and press **Enter** on the keyboard, or click **Test**. The **Login** and



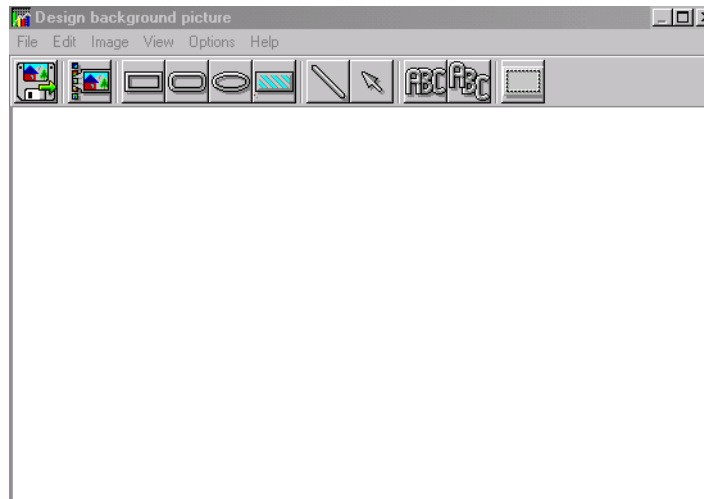
Password are not required unless the Web page you want to access requires it. Click **Test** to see that the page is loading properly. Then, click **Save**.



- Select **Clear background** in order to clear the background picture of the graphic only leaving the assigned components. You can use this option when you want to insert a new graphic and leave the same components.

Designing the Background for the Graphic Window

- 1 Double-click anywhere in the background of the Assign components window to bring up the **Design background picture** dialog.



- 2 Use this window to import a graphic that was created with another application or create your own background using the drawing toolbar buttons.



•To import an existing graphic, click the diskette icon, then drag and drop the diskette in the work area. Once you have positioned the component, and released the mouse button, the Image properties dialog will pop up on the screen. The system displays the **Open** window. Locate the graphic you want to import and click **Open**. The graphic will be placed in the graphic area of the dialog.

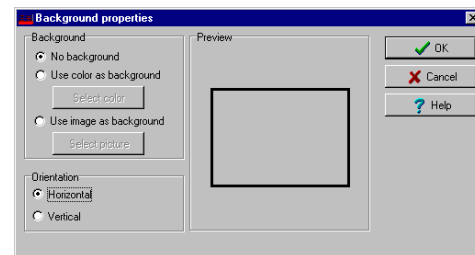


•To import a custom icon into the background graphic, click the **Custom images** button in the toolbar. The Select an image window pops up on the screen. Select an icon, then click **OK** to close the window and import the image in your design.

- To insert shapes and text in the background image, select a rectangle, a circle, an ellipse, etc. in the toolbar, and drag and drop it in your background.



- To modify a shape you've just placed in the burgeoned window, right-click it to open the Properties dialog. and make the appropriate modifications (color, position, etc.).
- You can setup the system to display the Properties dialog as you drop the shape into the design window. To do so, select the **Show properties on Drop** from the **Options** menu.



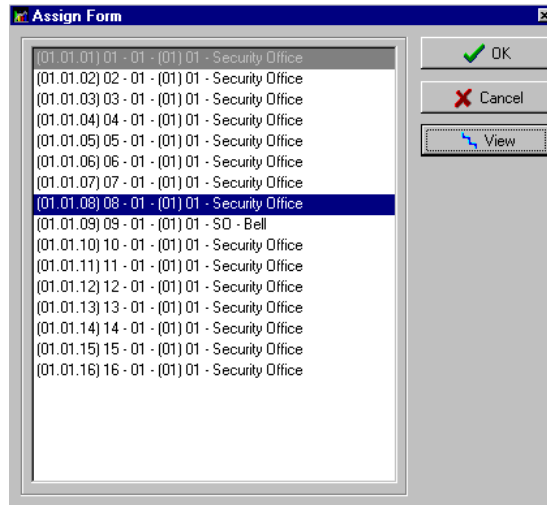
- To retrieve shapes that were previously saved to a disk, select the **Load annotations** option in the **Image** menu. When you add shapes to a graphic, you have the option of saving them as annotation on a separate file in order to retrieve them later.
- To save annotations on a separate file from your graphic, select the **Save annotations** option in the **Image** menu. You will be able to retrieve them for later use.
- To clear the shapes, select **Clear annotation** in the **Image** menu. If you save the graphic with the shapes, the shape become permanent.
- Use the **View** menu to define how the graphic will be displayed.



NOTE: *Sizing handles (square handles that are displayed along the sides of the object that surrounds the selected object) indicate the object is selected.*

Assigning System Components to Graphic Icons

- 1 From the Assign Components window toolbar, click and drag the selected component to the desired position. To drag an object across a window, select the object with your mouse and drag, while keeping the button pressed down, to the desired location in the graphic.



- 2 Once you have positioned the component, and released the mouse button, the Assign Form dialog will pop up on the screen
- 3 Select the system component you want to assign to the icon on the screen.
- 4 Click **OK** to go back to the previous window.



NOTE: If you do not assign the icon to a component, the icon will not be saved in the graphic. Only components that were not selected in the graphic will be available for selection.

Holidays Definition

A holiday is treated differently than other days. It is recommended to program holidays at the beginning of the year; this helps to modify floating holidays for the current year (Easter, Thanksgiving, etc.).

- 1 A holiday may be identified by a specific type (Hol 1, 2, 3, 4). The same day may be defined as a holiday at one site, but as a regular day in another site. From the Definition window, select the **Holiday** icon. The Holiday window appears.

- 2 To create a new holiday, select the **New** icon.
- 3 To create a global holiday, proceed with the holiday definition. If you want to define a holiday for a specific gateway/site, select the gateway/site from the drop-down list.
- 4 Assign a name to the holiday.
- 5 From the **Date** pull-down menu, select a the holiday date from the calendar.
- 6 Check the **Recurring** option if this is the case for the holiday you are defining.



NOTE: If the holiday is not a recurring holiday, you will have to reprogram it for the following year. You can program holidays years in advance; but it is recommended to review holidays on a yearly basis.

- 7 In the Holiday type section, select the type of the holiday you are defining. This gives you flexibility when defining a holiday. For example, you may decide that a given day is a holiday for a certain group of users, but it is a regular day for another group.

Chapter 6 • Operations

Under the **Operations** tab, operators will be able to perform manual operations on various system components (gateway, site, controller, etc.). Manual operations are used to override schedules or process special requests, when necessary. When you launch a manual operation on a component, it is possible to view the status of the selected components in real-time. You can also edit components by accessing the component directly from the operation window.






The Operations Toolbar

The Operations toolbar, located at the top of the Workstation window will allow you to access all operation dialogs (gateway, site, controller, etc.), where you will be able to perform manual operations such as manually resetting or monitoring devices, disabling readers, etc.



The Operation Dialogs Toolbar

All operation windows have a series of icons in the toolbar. Series of icons will only appear in specific operation windows. The five buttons described below appear in all operation windows.

Icon	Description
	Select All is used to select all the items or components displayed in the list.
	Unselect All is used to unselect all the items or components that were previously selected in the list.
	Enable Graphic displays the image related to the selected component (i.e.: door) and will also display the associated components (i.e.: reader). To display in real-time, this button must be used with the Enable animation button.
	Enable Animation will automatically enable the Enable graphic button. This will activate the current component (i.e.: door) and will display its status in real-time.
	Help will open the On line help corresponding to the window you are currently navigating.



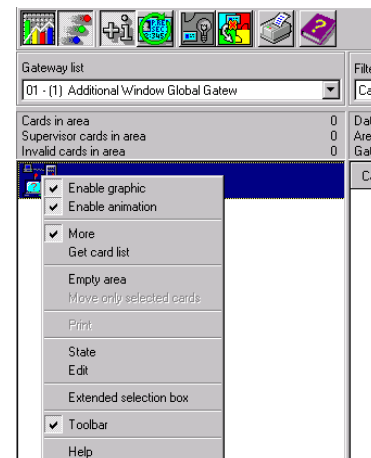
NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.

The Operations Contextual Menu

You will be able to access a contextual menu by right clicking within the list in any operation window.

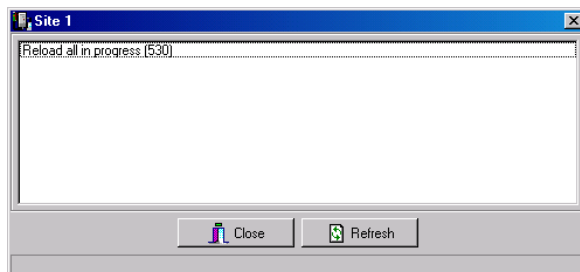
The items in the popup menu correspond to the icons in the operation window toolbar. Three additional options can be found in the popup menu, when you access it from the Gateway, the Site, the Guard Tour State or the area operation window.

- **State:** Opens a status window that contains the current information corresponding to the component you selected in the list. For more details, see *"The Component Status Dialog"* on page 122.
- **Edit:** Opens the window corresponding to the selected component to allow editing.
- **Extended selection box:** Opens the Extended selection box dialog that allows you to search for a specific component.



The Component Status Dialog

A message window that contains the site messages can be accessed by right-clicking within the corresponding operations window under the **Operation** tab, and selecting **Status** in the contextual menu.



In the example above, the information is listed for a site status in Entrapass Special Edition. We have listed some of the information that can appear in that window.

Parameter	Description
Number of sites	Indicates the number of sites for this gateway.
Number of cards	Indicates the number of cards processed by this controller
Number of processes	Indicates the number of processes
Version	Indicates the software and hardware version number.
Local Time	Indicates the controller's current local time.


Parameter	Description
Last startup	Date the last system startup was performed.



Manual Data Reload

The **Reload data** command allows operators to refresh system parameters with new data from the system database. After a reload operation, the database reorganizes the data received and communicates the new data to all the sites and controllers. Communication with controllers will be suspended during a reload operation.

When to reload the data?









- After major changes in the system database such as new cards, new devices, modification of component definition, definition of new schedules;
- When one or more controller(s) is malfunctioning (when it does not receive data for instance).

Icon	Definition
	Reload data: to refresh system parameter with new data from the system database.

Icon	Definition
	Broadcast: will send a signal to the selected component manually.
	Forced reload firmware: will force a reload of the selected firmware (KT-NCC).

Manual Operations on Sites

The manual operations on site feature is used to poll unassigned controllers. For example, when a controller has been added in the system without a serial number, you can use this command to get the controller serial number.

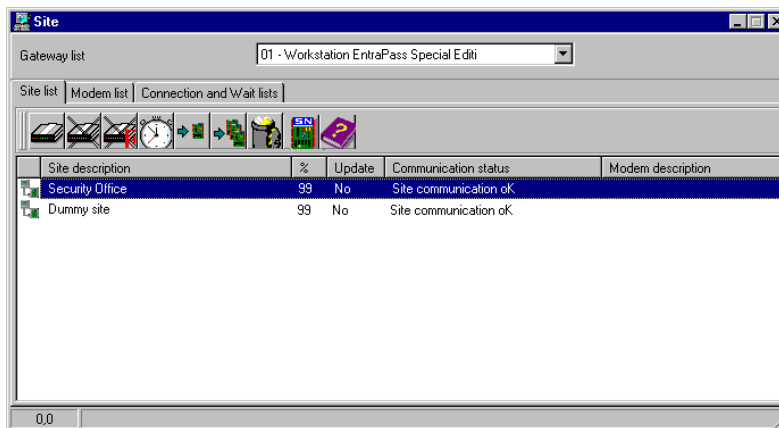
Icon	Description
	Connect to remote site: Click to connect to a remote site using a pre-configured dial-up connection.
	Disconnect remote site: Click to close the connection between this EntraPass workstation and the remote site.
	Disable remaining time: Click to stay connected until clicked again. This action disables preset connection remaining time. This action bypasses any idle time.
	Update remote site: After selecting site, click to connect and update parameters.
	Update all remote sites: Click to connect and update parameters on all sites starting with the first site on the list.
	Remove site from connect and wait list: Select a site then click to suspend connection after all sites had been set for update.
	Reload IP Link firmware: will force a reload of the selected Kantech IP Link firmware. <i>NOTE: For security reasons, the System Administrator may disable this icon.</i>
	Broadcast IP Device: will send a signal to the selected Kantech IP Link and also the KT-400 IP Secure.



NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.

Performing Manual Operations on a Site

- 1 From the **Operation** window, click on the **Site** icon to open the Site window, then select the gateway to which the site is connected.










- 2 To poll a controller that is not assigned, click the **Controller** icon. A message is sent to an unassigned controller, asking it to identify itself. When the controller receives the call from the site, it sends an acknowledgement message in the Message desktop.
- 3 You may select the Message desktop to view the controller serial number.



NOTE: The % column shows the communication performance of a selected site. If the percentage is too low (below 75% for instance), it may indicate that the site is not communicating efficiently. Communication problems may stem from various reasons such as interferences, damaged cables, etc.

Manual Operations on Controllers

This dialog is used to reset or reload a controller: soft reset, hard reset, reload and reload controller firmware.

Icon	Definition
	Soft reset: will not affect the controller database. This command sends new information to a controller to update its physical components (relays, inputs, doors and outputs)
	Hard reset: will erase the existing controller database and reload it with new information in the controller database Reset commands should be executed with caution. Before you carry out a controller reset operation, we recommend you contact our Technical Support. For more information, see "Technical Support" on page 5.
	Reload: will reload the controller database; if for example a controller database is not reloaded correctly due to an erratic operation
	Reload controller firmware: will reload the firmware of the controller (KT-100, KT-300).
	Unlock reader keypad: will unlock the reader keypad for KT-100 controllers.
	Reset reader power: will reset the controller reader power. This operation can only be performed on KT-300.
	Forgive: will reset to zero the cards-in and cards-out counters or card counters from controller local area
	Anti-passback cards list: displays the number of cards per local area, obtain a card list in local area controllers, move cards (when you have a KT-400 system) and allows you to get position a a card. This feature is used only for Corporate Gateway.

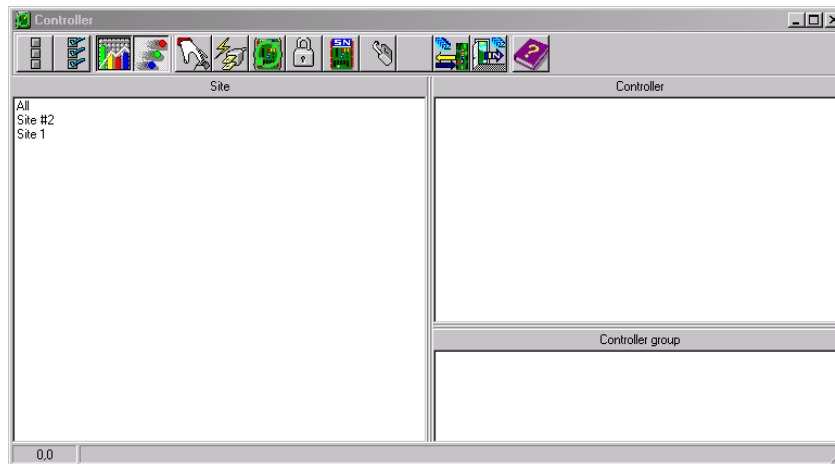


NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.



Selecting a Controller

- 1 From the Operations window, select the **Controller** icon to open the Controller window where you will be able to reset the controller.



- 2 From the Site pane, select a site. Controllers attached to this site appear in the right-hand pane.
 - From the **Controller** list, select the controller where the operations will take place. It has to be highlighted. To perform the operation on a group of controllers, select **Controller Group** (lower right-hand pane).



NOTE: If only one site is defined in the system, the Site Controller list pane will not appear on the Controller window.

Performing a Controller Soft Reset

A soft reset will refresh the data in the controller.

- 1 In the Controller dialog, select desired controller or controller group.
- 2 Click the **Soft reset** icon in the toolbar. This command will send new information to the controller to update its physical components (relays, inputs, doors and outputs, etc.)

Performing a Controller Hard Reset

A hard reset will delete the existing controller database and reload it with new information in the controller database.



NOTE: Reset commands should be executed with caution. Before you carry out a controller reset operation, we recommend you contact our Technical Support. For more information, see "Technical Support" on page 5.

- 1 In the Controller dialog, select desired controller or controller group.
- 2 Click the **Hard reset** icon in the toolbar. This command will send new information to the controller to update its physical components (relays, inputs, doors and outputs, etc.)

Reloading a Controller Manually

Entrapass allows you to reload a controller database when, for example, a controller database is not reloaded correctly due to an erratic operation.

- 1 In the Controller dialog, select desired controller or controller group.
- 2 Click the **Reload** icon in the toolbar. The controller's database will be reloaded.

To Reset the Cards In Counters or all Controller local area

This option allows to reset to zero for the cards in counter.

- 1 In the Controller dialog, select desired controller or controller group.
- 2 Click the **Forgive** icon in the toolbar. Card holders will not be considered inside or outside until the next use of their card at an entry or exit reader.

Calculating Number of Cards In

If you have one or more controllers configured with anti-passback, this function allows you to view a list of cards that are considered inside (**Cards in**) an area. To do so, the passback option (either soft or hard synchronization) has to be enabled on the reader and the door has to be defined as an entry door.

- 1 In the Controller dialog, in the **Gateway/Site** section, select **KT-400-IP**. Then in the **Controller** section, the list of appropriate controllers relative to the selection display.
- 2 Select desired controller or controller group.
- 3 Click the **Get Card List** icon in the toolbar. The system will display the number of cards in for the selected controller or controller group.



NOTE: This operation is performed only on one controller at a time as it may be a lengthy operation. The option is only available on a Corporate Gateway.

- 4 Right-click the appropriate local area number, and then click **Find card position**. In the **Get card position** dialog box, click **Start with**, **Begin with** or **Contains** to filter the search criterion.
- 5 In the list, select the wanted card position, and then click **Get position**.







To Reset the Cards In Counters or all Controller local area

This option allows to reset to zero for the cards in counter.

- 1 In the Controller dialog, select desired controller or controller group.
- 2 Click the **Forgive** icon in the toolbar. Card holders will not be considered inside or outside until the next use of their card at an entry or exit reader.

Manual Operations on Doors

This dialog allows an authorized operator to manually modify the state of a door or group of doors. Operators can manually lock/unlock a door, temporary lock/unlock a door or group of doors, and enable/disable readers on selected doors.

Icon	Definition
	Lock door or group of doors: will manually lock the selected door or group of doors.
	Unlock door or group of doors: The selected door or group of doors will be manually unlocked and will remain unlock until the next valid change of the unlocking schedule or an operator manually locks the door or group of doors
	Temporarily lock/unlock door or group of doors: Temporarily unlocks a door or group of doors for a preset delay. Once the delay expires, the door or group of doors re-lock automatically.
	Return to schedule: Will re-apply the locking schedule for a door or a group of doors.
	Enable card reader: will enable a previously disabled door reader.
	Disable card reader: will disable a door reader and user will not be able to access that door, even if they have access rights.
	Arm door: Will arm a door, which means the system will lock the door and arm the alarm system so anybody cannot enter in the building or in the room.
	Disarm door: Will disarm a door, which means the system will unlock the door and disarm the alarm system so the person who has her access card and who has permission to access to the building or to the room will be able to access to it.



NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.

There are various reasons why you would want to perform one of these operations; for example you may need to “disable a reader” for a short period in order to deny access to the door, etc.

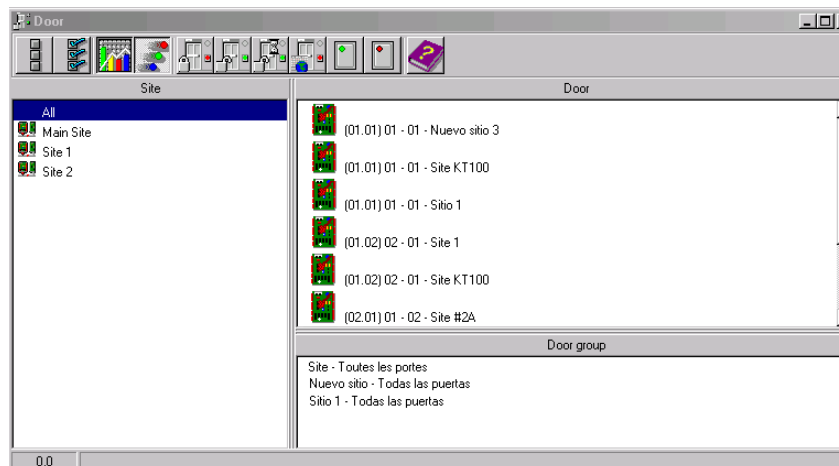
This operation allows an operator to lock a door that was previously unlocked by an operator or a schedule. When a door is manually locked through the Operation menu, it remains locked until:

- The presentation of a valid card (will re-lock after access), or
- The next valid change of the automatic unlocking schedule (for a door defined with an unlocking schedule), or
- An operator manually unlocks the door.



Selecting a Door or a Door Group

- 1 From the Operations window, select the **Door** icon. The Door window appears.



- 2 Click the **Enable animation** icon to view a real-time display of the door status.
 - The left-hand pane displays the list of all **Sites**. You may select all or select one site.
 - The individual doors associated with the site selected on the left are displayed in the top right side of the pane. If you select **All** on the left, all doors in the system will be listed on the right. You can select one, several or all doors.



NOTE: If only one site is defined in the system, the site list window will not appear on the Controller window.

- **Door groups** associated to the site selected on the left are displayed at the bottom right side of the pane. If you select **All** on the left, all door groups in the system will be listed at the bottom right. You can select one or several or all groups.

Locking a Door Manually

- 1 In the Door dialog, select desired door(s) or door group.
- 2 Click the **Lock-door** icon in the toolbar.

Unlocking a Door Manually

- 1 In the Door dialog, select desired door(s) or door group.
- 2 Click the **Unlock-door** icon in the tool bar. The selected door(s) will be manually unlocked. The system will prompt for operator confirmation. A door defined with an automatic unlocking schedule will remain unlocked until:
 - The next valid change of the unlocking schedule, or
 - An operator manually locks the door.



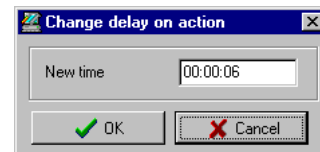
Unlocking a Door Temporarily

Entrapass allows you to temporarily unlock a door for a preset delay. Once the delay expires, the door re-locks automatically. You can use this option in cases where you need to grant access to a user who does not have a card or has forgotten his/her card.



NOTE: The maximum unlock time: 4:15 (255 seconds).

- 1 Click the **Temporarily unlock** icon. The Change delay on action dialog will popup.
- 2 Enter the **New time** delay (m:ss) and click **OK**. The selected door will be temporarily unlocked by an operator.



NOTE: If a door contact is installed, the door will re-lock as soon the system sees a “door open-door closed” transition. There is no “Animation” for this type of operation.

Resetting a Door Schedule

Entrapass allows you to reset a door schedule after a manual operation has been performed on a component.

- 1 In the Door dialog, select desired door(s) or door group.
- 2 Click the **Return to Schedule** button. This option will reset the schedule for the selected components.

Enabling a Door Reader

- 1 In the Door dialog, select desired door(s) or door group.
- 2 Click the **Reader-enable** button. This option enables a previously disabled door reader.

Disabling a Door Reader









- 1 In the Door dialog, select desired door(s) or door group.
- 2 Click the **Reader-disabled** button. This option disables a previously enabled reader. Disabling a reader prohibits users from accessing the door, even if access rights have been granted.

Manual Operation on Elevator Doors

This dialog allows an authorized operator to manually lock, unlock or temporarily unlock elevator floors. The window will also display, in real-time, the status of the selected elevator door(s).

How Elevator Access Is authorized

- The cardholder pushes an “up/down” button, the elevator door opens,
- The cardholder presents its card at the reader (usually inside the cab),
- The system checks if the schedule assigned to this door is valid. If yes, the system checks which floor group is associated to this door,
- Then the system verifies each floor of the floor group (in the floor group menu) and checks if the schedule associated to each floor of the group is valid or not valid.
- Only floors that have a valid schedule will be available for selection by the user (the elevator panel will enable the buttons corresponding to the floors).

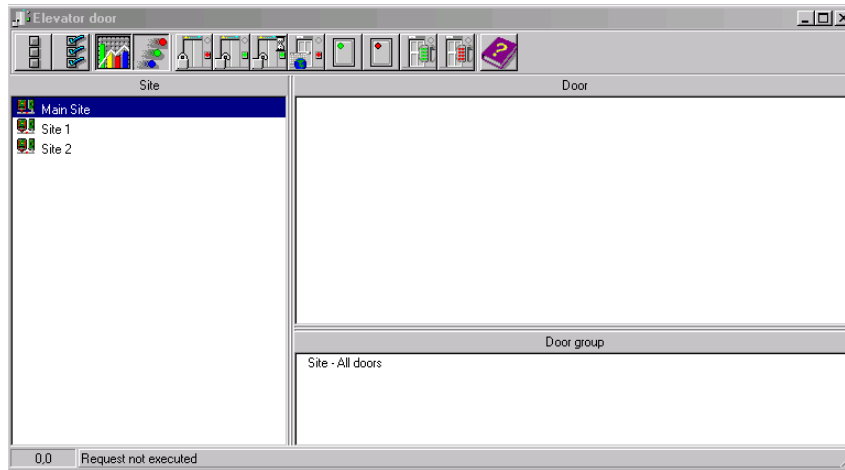
Icon	Definition
	Lock elevator floor or group of elevator floors: will manually lock the selected elevator floor or group of elevator floors.
	Unlock elevator floor or group of elevator floors: The selected elevator floor or group of elevator floors will be manually unlocked and will remain unlock until the next valid change of the unlocking schedule or an operator manually locks the elevator floor or group of elevator floors.
	Temporarily lock/unlock elevator floor or group of elevator floors: Temporarily unlocks an elevator floor or group of elevator floors for a preset delay. Once the delay expires, the elevator floor or group of elevator floors re-lock automatically.
	Return to schedule: Will re-apply the locking schedule for a door or a group of doors.
	Enable card reader: will enable a previously disabled reader.
	Disable card reader: will disable a reader and users will not be able to access any elevator floor, even if they have access rights.
	Enable elevator floor: will enable a previously disabled elevator floor or floor group.
	Disable elevator floor: will disable an elevator floor or floor group and users will not be able to access that elevator floor or floor group, even if they have access rights.



NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.

Selecting an Elevator Door

- 1 From the **Operations** menu, select the **Elevator door** icon.



- 2 Click the **Enable animation** icon to view a real-time display of the elevator door status.
 - The left-hand pane displays the list of all **Sites**. You may select all or select one site.
 - The individual elevator doors associated with the site selected on the left are displayed in the top right side of the pane. If you select **All** on the left, all elevator doors in the system will be listed on the right. You can select one, several or all elevator doors.
 - **Elevator door groups** associated to the site selected on the left are displayed at the bottom right of the pane. If you select **All** on the left, all elevator door groups in the system will be listed at the bottom right. You can select one or several or all elevator door groups.

Locking Floors from Elevator Doors

- 1 Select an elevator door or a group of elevator doors.
- 2 Click the **Lock** icon in the toolbar. This command will manually lock the floor group that was previously unlocked by an operator or a schedule.



NOTE: A door defined without an unlocking schedule will only be locked by a manual command. To lock all floors that were previously unlocked, use the **Unlock** option in the **Manual operation on doors** menu.

Unlocking Floors from Elevator Doors

- 1 Select an elevator door or a group of elevator doors.
- 2 Click the **Unlock elevator floors** icon in the toolbar to unlock a previously locked floor. This command will only enable the elevator floors that are defined with an “X” in the “State” column of the Floor group Definition menu. If you do this, the system will prompt the you to select a

floor group that should be unlocked (available). Once the group is selected, the system will prompt the operator to confirm the operation.



NOTE: For a door defined with an “automatic unlocking schedule”, floors will remain available until:

- The next valid change of the unlocking schedule, or
- An operator manually locks the door.



NOTE: A door defined without an unlocking schedule will only be locked by a manual command. To lock all floors that were previously unlocked, use the **Unlock** option in the **Manual operation on doors** menu.

NOTE: When a manual unlocking operation is completed, only floors that are defined with an “X” in the “state” field of the **Floor Group Definition** menu will be available for selection. Also, when communication is lost and the controllers are working in stand-alone mode, only the floors marked with an “X” will be available for selection and the access schedule will be ignored.

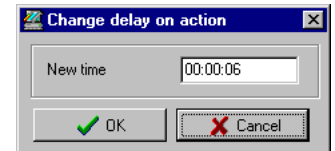
Unlocking Floors from Elevator Doors Temporarily

Entrapass allows you to temporarily unlock a floor from an elevator door for a preset delay. Once the delay expires, the elevator door re-locks automatically.



NOTE: The maximum unlock time: 4:15 (255 seconds).

- 1 Click the **Temporarily unlock** icon. The **Change delay on action** dialog will popup.
- 2 Enter the **New time** delay (m:ss) and click **OK**. The selected elevator floor will be temporarily unlocked by an operator.



NOTE: This command will only temporarily enable the elevator floors that are defined with an “X” in the “State” column of the “Floor group Definition menu” (available for selection).

NOTE: There is no “Animation” for this type of operation. To temporarily unlock all floors, use the “temporarily unlock door” option in the “manual operation on doors” menu.

Resetting an Elevator Door Schedule

Entrapass allows you to reset an elevator door schedule after a manual operation has been performed on a component.

- 1 In the **Elevator door** dialog, select desired elevator door(s) or door group.
- 2 Click the **Return to Schedule** button. This option will reset the schedule for the selected components.

Enabling an Elevator Floor

- 1 In the **Elevator floor** dialog, select desired floor(s) or floor group.
- 2 Click the **Enable elevator floor** button. This option enables previously disabled elevator floors or floor group.







Disabling an Elevator Floor

- 1 In the Elevator door dialog, select desired floor(s) or floor group.
- 2 Click the **Disabled elevator floor** button. This option disables a previously enabled elevator floor. Disabling a floor prohibits users from accessing the floor, even if access rights have been granted.

Manual Operations on Relays

Use this menu to manually change the state of a relay or group of relays. You can activate/deactivate and temporarily activate relays or group of relays manually. The window will also display, in real-time, the status of the selected relay(s).

This feature allows to manually turn off a relay; for example, when an input programmed to activate a relay goes in alarm in unknown conditions.

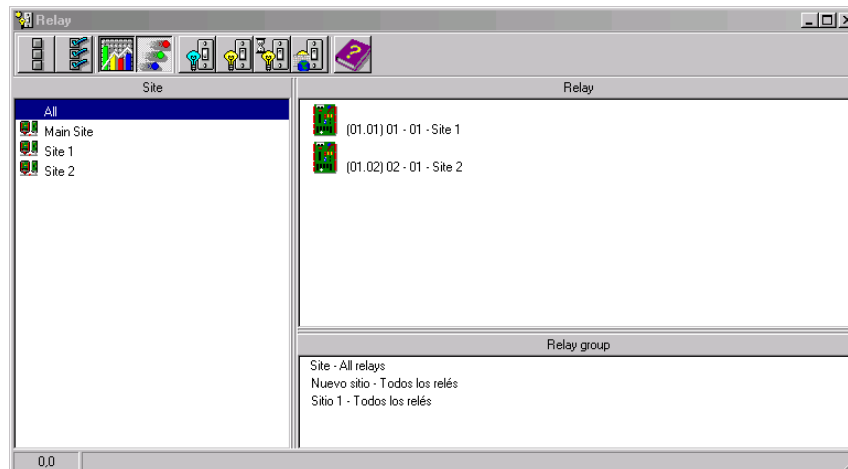
Icon	Definition
	Deactivate relay: allows an operator to deactivate a relay which was previously activated by an operator, event, schedule or input in alarm.
	Activate relay: activate a relay which was previously deactivated by an operator, event, schedule or input in alarm.
	Temporarily activated relay: Temporarily activate a relay or group of relays for a pre-set delay.
	Return to schedule: Will re-apply a schedule after a manual operation was performed on a component.



NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.

Selecting Relays

- 1 From the Operation window, select the **Relay** icon.



- 2 Click the **Enable animation** icon to view a real-time display of the relay status.



- The left-hand pane displays the list of all **Sites**. You may select **All** or select one site/gateway.
- The individual relays associated with the site selected on the left are displayed in the top right side of the pane. If you select **All** on the left, all relays in the system will be listed on the right. You can select one, several or all relays.
- **Relay groups** associated to the site selected on the left are displayed at the bottom right side of the pane. If you select **All** on the left, all relay groups in the system will be listed at the bottom right. You can select one or several or all groups.

Deactivating a Relay Manually

- 1 Select a relay or a group of relays.
- 2 Click the **Deactivate Relay** icon.



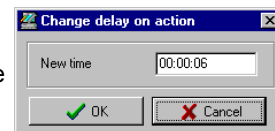
NOTE: If you manually deactivate a relay that is usually activated according to a schedule, it will remain deactivated until its reactivation schedule becomes valid. This means that if a relay needs to be activated according to a schedule and you deactivate it, remember to reactivate it again for the remaining scheduled time, because one relay can be defined for various components of the system; its activation or deactivation will relate to its configuration within these components.

Activating a Relay Manually

- 1 Select a relay or a group of relays.
- 2 Click the **Activate Relay** icon. The selected relay(s) will be activated. This operation allows an operator to activate a relay which was previously deactivated by an operator, event, schedule or input in alarm.

Activating a Relay Temporarily

- 1 In the right-hand pane, you may select a relay in the upper part of the window, **All Relays** in the lower part of the window.
- 2 Click the **Activate relay temporarily** icon. The Change delay on action window will popup on screen.
- 3 Enter the **New time** delay (m:ss) and click **OK**. The selected relay will be temporarily activated by an operator.



NOTE: The selected relay(s) will be temporarily activated. This is useful for an operator who would like to activate temporarily a relay which was previously deactivated by an operator, event, schedule or input in alarm. The system displays a message box requesting that a temporary activation delay, is entered. When this delay is over, the relay will be deactivated automatically.





Resetting a Relay Schedule

Entrapass allows you to reset a relay schedule after a manual operation has been performed on a component.

-
- 1 In the Relay door dialog, select desired relay(s) or relay group.
 - 2 Click the **Return to Schedule** button. This option will reset the schedule for the selected components.

Manual Operations on Inputs

This dialog allows you to bring an input back to its normal state, or to stop monitoring an input, or monitor a specific input at all times, or to perform a temporary shunt on a selected input, if it had been previously modified from its original state as setup in the Device menu.

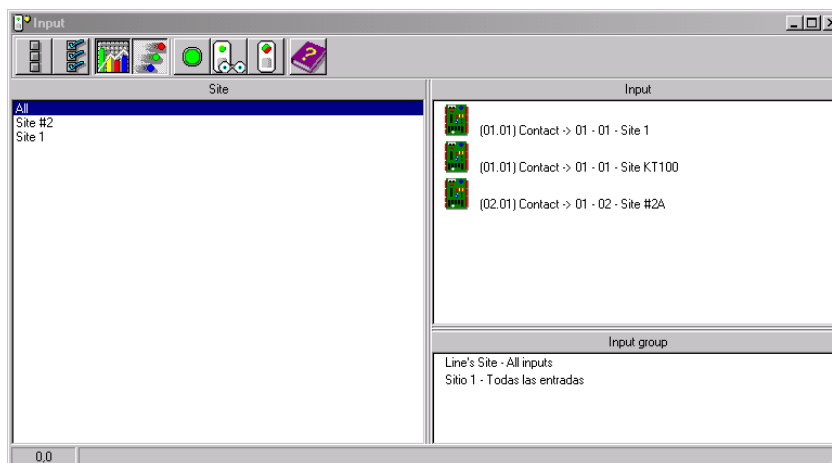
Icon	Definition
	Input normal: returns an input to its normal state as setup in the Device menu.
	Input continuous supervision: will monitor the selected input at all times.
	Input with no supervision will terminate the input monitoring, regardless of its schedule, and will start monitoring with the next pre-defined schedule.
	Input no supervision temporarily (Shunt): will stop input monitoring for a pre-set period of time.



NOTE: A hint is displayed when you move your cursor over a button. It gives details about the operation to be performed.

Performing Manual Operations on Inputs

- 1 From the Operation window, select the **Input** icon.



- 2 Click the **Enable animation** icon to view a real-time display of the relay status.
 - The left-hand pane displays the list of all **Sites**. You may select **All** or select one site.



- The individual input associated with the site selected on the left are displayed in the top right side of the pane. If you select All on the left, all inputs in the system will be listed on the right. You can select one, several or all inputs.
- **Input groups** associated to the site selected on the left are displayed at the bottom right side of the pane. If you select **All** on the left, all input groups in the system will be listed at the bottom right. You can select one or several or all input groups.

Returning an Input to Its Normal State Manually

This option is used in cases where an input status has been modified by an operator and you want to return the input to its normal state. For example, if an input is assigned a monitoring schedule in its definition and an operator has reversed the state of the input making it “not supervised”, it can be returned to its normal state using this button.

- 1 Select an input or a group of inputs.
- 2 Click the **Input normal icon**. The selected input returns to its normal state as defined in the **Device** menu.

Stopping Monitoring an Input

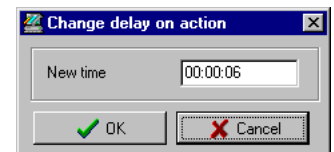
You will use this option to terminate the input supervision, regardless of its schedule (if defined).

- 1 Select an input or a group of inputs.
- 2 Click the **Input no supervision**. The selected input will not be monitored.

Stopping Input Supervision (Shunt) Temporarily

You will use this option when you want the system to bypass a specific input, for a specific period of time.

- 1 To temporarily shunt an input, select the input, then click the **Temporarily shunt** icon. The input will not be monitored temporarily.
- 2 Click the **Input no supervision temporarily**. The Change delay on action dialog will popup.
- 3 Enter the **New time** delay (m:ss) and click **OK**. An icon next to the input will indicate that it is temporarily shunt. If an alarm occurs, or if the input is disconnected, no message will be sent to the desktop Message list.





Chapter 7 • Users

The **Users** menu allows you to easily manage the EntraPass cardholder database. The **Users** toolbar icons start the following tasks:

- Define and issue cards as well as perform card-related tasks (find, modify or delete existing cards),
- Design and print badges using the integrated badging feature. Pictures and signatures can be imported or, with the necessary devices, captured and incorporated into cards for printing badges,
- Define and manage card access groups,
- Define access levels,
- Import or export CSV files.

The integrated badging function in EntraPass allows users to create and print badges. It is also possible to import or, with the appropriate utilities, to capture and integrate images and signatures on the card in order to print badges.

Cards Definition

Cards are defined by the following properties: card number, cardholder name, access level and status (valid, invalid, pending, lost/stolen or expired).

If you have enabled the **Enhanced user management** feature in the System parameters dialog (see "Credentials Parameters" on page 332) Cards records can be searched, sorted and deleted.

Issuing a New Card

- 1 From the **Users** tab, select the **Card** icon. The displayed Card window is used to enter/verify general information on the cardholder.

- 2 Click the **New** icon (first icon) in the toolbar. The Card number field is enabled.
- 3 Enter the number printed on the card (**Card number** field), then press **Enter**. If it is a new card, the **Card user name** field is initialized with "New user". If the card already exists, the system displays information about the card.
- 4 Enter the cardholder's name in the **Card user name** field. You can enter up to 50 characters.

NOTE: The system automatically displays the **Creation date**, the **Modification date** and the **Modification count** information on the upper right-hand side of the Card dialog.

- 5 Fill out the **Card Information 1 to 10** fields. These are user definable fields. They are used to store additional information regarding the cardholder. For example, you could use Card Information 1 to store the employee number; Card Information 2, Department where the employee works; Card Information 3, employee address, etc. Later, card information fields will be used to index reports, customize cardholder lists, etc.

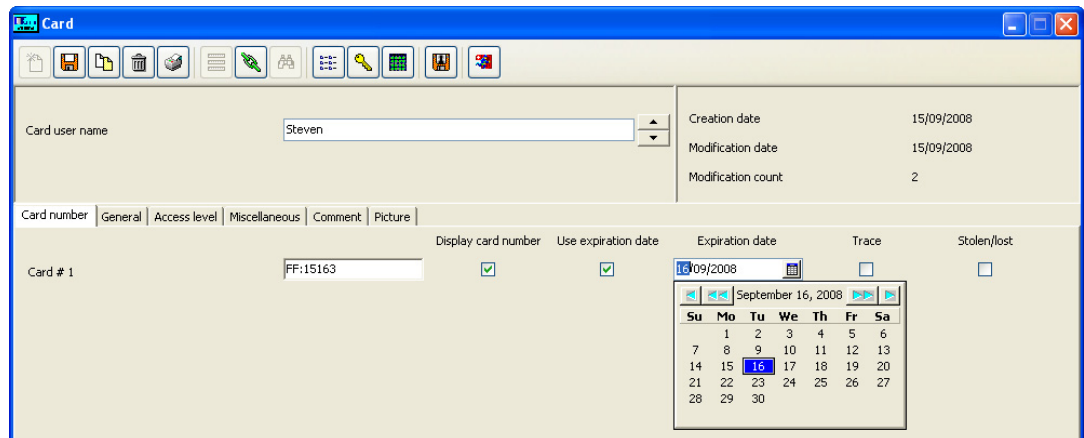


NOTE: These information fields are editable labels. To rename an information field label, double-click it, then enter the appropriate name in the displayed fields. You can enter up to 50 characters.

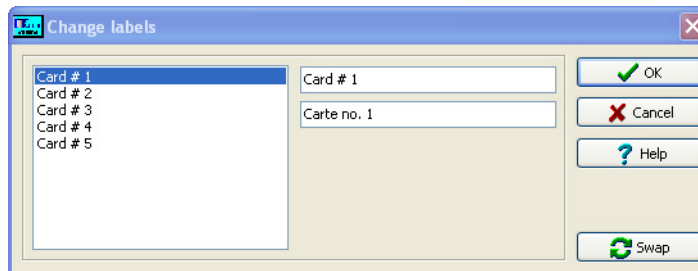
- 6 Click the **Save** icon.

Issuing a New Card in Enhanced User Management

- From the **Users** tab, select the **Card** icon. The displayed Card window is used to enter/verify general information on the cardholder.

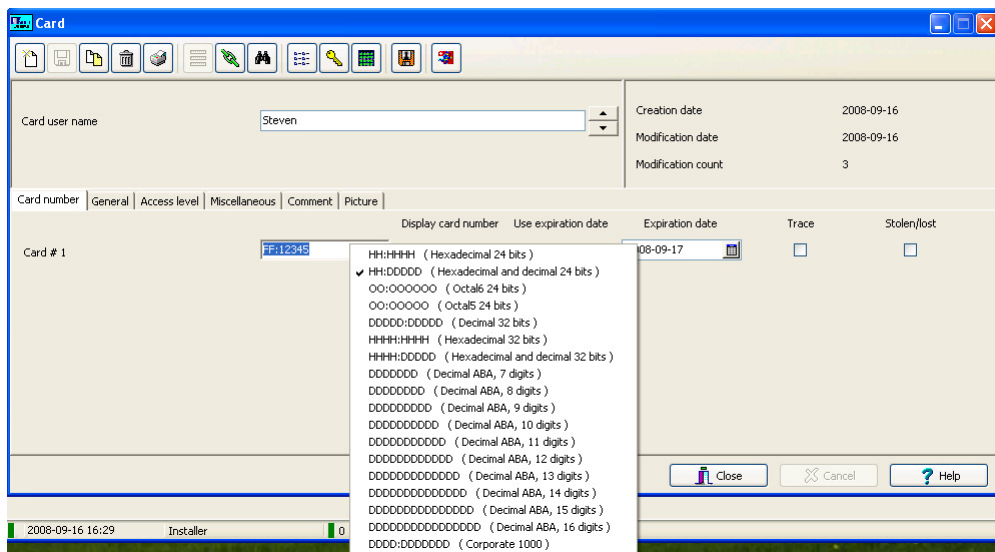


- Click the **New** icon (first icon) in the toolbar. The **Card user name** field is enabled to enter the cardholder's name. You can enter up to 50 characters.
- Click **Save**.
- Click on the **Card number** tab, double-click on **Card #1** if you want to change the label.



- Enter the **Card number**.
 - If EntraPass was previously configured for multiple card formats, you can modify the card format by right-clicking the **Card number** field, see "Defining a Card Display Format" on page 316 to enable the multiple card formats. The default card format is HH:DDDD (Hexadecimal and decimal 24 bits).
 - When the Multiple Card Format is enabled:** A list of all card formats will display when you right-click in the card number field.

- **When a card format has been defined by the system administrator:** The card format has a check mark next to its description.



- 6 If your access rights allow it, you can decide to **Display card number** or not, then the user card number in reports and message lists in the Entrapass workstation.



NOTE: The system automatically displays the **Creation date**, the **Modification date** and the **Modification count** information on the upper right-hand side of the Card dialog.

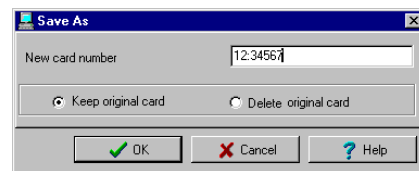
- 7 Check the **Use expiration date** option and select the corresponding date.
- 8 Check the **Trace** option if you want to monitor the use of a particular card. Selecting this option will cause the “Card traced” event to be generated each time this card is presented to a card reader. For example, you can request and generate a report containing the “card traced” event in order to verify user actions.
- 9 Check the **Stolen/Lost** option, if the card has been stolen or lost. The card will not be functional anymore.

NOTE: For the remainder of the Card dialog. We will use the regular Entrapass screens (no Card Number tab will show) to explain the remaining card parameters.

Creating New Cards Using the “Save As” Feature

The **Save as** feature allows you to create a new card based on an existing card, only making changes to specific information. For example: changing only the user name and keeping all other card information.

- 1 Type required changes into specific fields in the Card window and click the **Save as** icon. This feature allows you to create a new card under a new card number.
- 2 Enter the new card number in the **New card number** field.
- 3 Select the **Keep/Delete original card** options to specify if the original card should be kept or deleted (usually kept), then click **OK** to save the new information. The Card window is displayed.



Issuing Cards Using the “Batch Load” Feature

The Batch Load feature allows operators to issue cards by presenting cards to a door reader. The card number is displayed on an “unknown card” or “access denied” event messages. During a Batch Load operation, the operator can create new cards or modify existing ones.

- 1 From the Card window, click the **Batch Load** button.
- 2 From the **Door** drop-down list, select the door that will be used to read the cards.
- 3 Check the following options:
 - **Refresh an access granted:** if this option is checked, each time an access is granted the information displayed will be refreshed with data relative to the card.
 - **Save on new card:** if this option is checked, new cards will be saved in the card database on an “unknown card” event message. If this box is not checked, the operator will have to save the card manually each time a card is read.



NOTE: When this option is selected, the first card presented to the door reader will be saved only when presenting a second card or by pressing the save icon.

- **Find:** allows operators to search for an existing card in order to create a new card based on the existing card data.



NOTE: If an operator clicks the **Close** button without saving (when the **Save** button is still enabled), a system prompt will ask to save the last information.

Viewing and Verifying PINs

Entrapass enables you to view and validate each configured cardholders’ PINs in the Card window.



To View Cards Assigned the Same PIN

- 1 From the **Card** window, click the **List of PIN owners** button.
- 2 Enter the PIN number you wish to validate and click **OK**. A list containing all operators that have a PIN number will be displayed on the screen.

The screenshot shows a dialog box titled "List of PIN owners". It contains a text input field with the label "Enter your PIN" and the value "00000". To the right of the input field are two buttons: "OK" and "Cancel". Below the input field is a label "Enter a valid PIN number".



NOTE: If the system is set to PIN duplication (**Options > System Parameters**), and if the PIN is used by more than one cardholders, the system displays a list of cardholders who are using the PIN. This feature is useful when for example you want to display the list of cardholders who are using a given PIN or if you are issuing new cards and you want to verify which PINs are already being used.

Card Handling

Editing a Card

- Enter the card number in the **Card number** field and press **Enter**. The system displays the card; you may then modify the card as required.
- Browse the **Card number** field using the **Up/down** arrows and then select the card to be modified.
- Browse the **Card user name** field, using the **Up/down** arrows.

Finding a Card

You can perform two types of card searches from the Card dialog toolbar:



Find the card information



Find archived card information



NOTE: For more information on how to search information in EntraPass, see "Finding Components" on page 33

Deleting a Card

The **Delete** feature allows an operator who has the proper access rights to remove a card from the cardholder database. A card that has been deleted from the cardholder database must be re-issued again in order to use it again.

- 1 Locate the card you want to delete.
- 2 Click the **Delete** icon, then click **Yes** in the **Warning message** box.



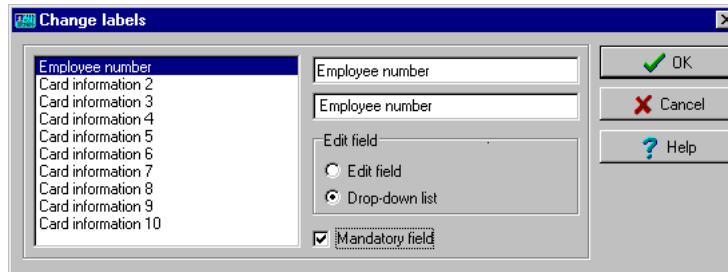
NOTE: Although a deleted card is removed from the card database, it remains in the card history; all events involving that card remain in the event messages database. An event report locating past events that involved any deleted card can be performed.

Customizing Card Information Fields

You may rename **Card information** fields under the **General** tab according to your organization requirements. These fields can contain any information. They can be used as edit boxes or drop-down lists.



- 1 In the Card definition dialog, select any card, then double-click the **Card information** field under the **General** tab. The system displays the **Change labels** window:



- 2 Select the field you want to modify on the left, and enter the name in the field on the right. If your system operates in two languages, two fields will be available to enter the field name in both languages. For example, if you want to rename *Card Information 1* to *Employee number*, double-click the **Card Information 1** label and enter the new name in the field(s) on the right.
- 3 Select the **Edit field** option if the information appears as an **Edit field** (one-line information) or **Drop-down list** (as applicable); then click **OK** to save your modifications.
- 4 You need to repeat these steps for all the fields you want to modify.



NOTE: Check **Mandatory field** to ensure that this field is not left empty.

NOTE: An operator must have full access privileges to edit card information fields. An operator with read only access may only view information in these fields.

Cardholder Access Levels Assignment

An access level must be assigned to each card. Access levels determine where and when the card will be valid. The access level allows the cardholder entry to selected locations during specified schedules.

For information on defining access levels, see *"Access Levels Definition"* on page 195.



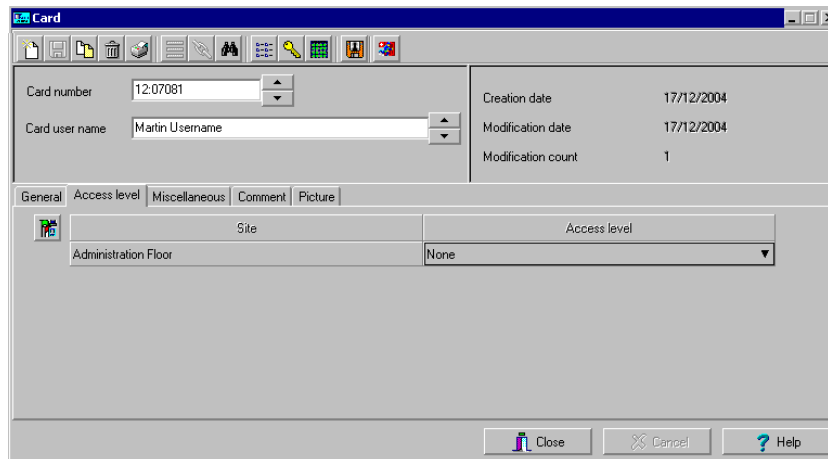
NOTE: When you modify the access level assigned to a card, you also modify the user's access permission to the doors and schedules associated to that access level.

In order to assign an access level to a card, you have to:

- Create schedules that will correspond to the time the user has access to the desired doors,
- Assign the created schedule to the desired doors (in the Access level definition menu),
- Assign the access level to cards.

Assigning an Access Level to a Cardholder

- 1 From the Card definition window, select the **Access level** tab. The Access level window appears, it displays the Site column and **Access level** drop down list.



Site	Access level
Administration Floor	None

- 2 Click the **Card access group** button (displayed on the left of the Site or Gateway list) to copy information from a Card access group to a card. The Site column displays the sites and gateways to which an access level will be associated.
- 3 From the **Access level** drop-down list, select the access level that will determine the cardholder's access to the doors of the selected site. If you do not want this cardholder to have access to the door of this site, leave this field to **None**.



NOTE: You have to create Access levels (**Users > Access Level**) to have them displayed in the **Access Level** drop-down list.

Card Options Definition

Use the **Miscellaneous** tab to specify and view card options.

- 1 Select a card number using the **Up/down** arrows. The **Start date** field indicates the card creation date. You can change this information by selecting another date in the displayed calendar. The start date must be the same day or earlier than the current date; else, the **Card state** field (**Miscellaneous** section) will be set to "Pending".

- 2 Check the **Use end date** box if applicable. When this box is checked, the system displays a calendar allowing you to select the end date. When the end date is reached, the **Card state** field is set to "Expired".
- 3 Check the **Delete when expired** option (if applicable). This option can only be used with the **Use end date** option. When selected, the card information will automatically be deleted on the expiry date (using the end date specified), otherwise the **Card state** field will be modified to "Expired".



NOTE: A deleted card is a card that is not active in the system database. Even if a card was deleted, previous events generated by this card are still stored in the archive file.

- 4 Check the **Wait for keypad** option to force users to enter a PIN on keypad to access all doors, then in the **Editable PIN** field enter the PIN that users will be required to enter.



NOTE: Selecting the **Wait for keypad** will delay access to a door for this card until the correct PIN has been entered on a keypad. This only affects doors defined with both reader and keypad in the Door Definition menu (**Devices > Doors**). The keypad schedule must also be valid for this door. For more information on defining a door, see "Doors Configuration" on page 88.

- 5 From the **Card state** drop-down list, assign a state to the selected card. By default, a card is valid. The following states are available:
 - **Valid:** the card is functional,
 - **Invalid:** the card is NOT functional,
 - **Lost/Stolen:** the card is NOT functional,



- **Expired:** the card has reached its expiry date,
- **Pending:** the card is not yet functional.



NOTE: You cannot force a card state to **Pending** by selecting this state from the **Card state** drop-down list. To do so, you have to change the **Start date**.

- 6 Check the **Card trace** option if you want to monitor the use of a particular card. Selecting this option will cause the “Card traced” event to be generated each time this card is presented to a card reader. For example, you can request and generate a report containing the “card traced” event in order to verify user actions.
- 7 Check the **Disable passback** option if you want the card to override the passback option when defined.



NOTE: If you are issuing a card for a cardholder with disabilities, check the **Extended door access delay** option. To enable this option in the system, you have to define appropriate delays in the **Door definition**.

Adding Comments to a Card

- 1 From the Card window, select the **Comment** tab.

- 2 Enter a comment (if necessary) relative to this cardholder. The displayed field can be used to store additional information in the database. Maximum allowed: up to 241 characters.
- 3 Click the **Save** button, then the **Close** button to exit.

Assigning Pictures and Signatures

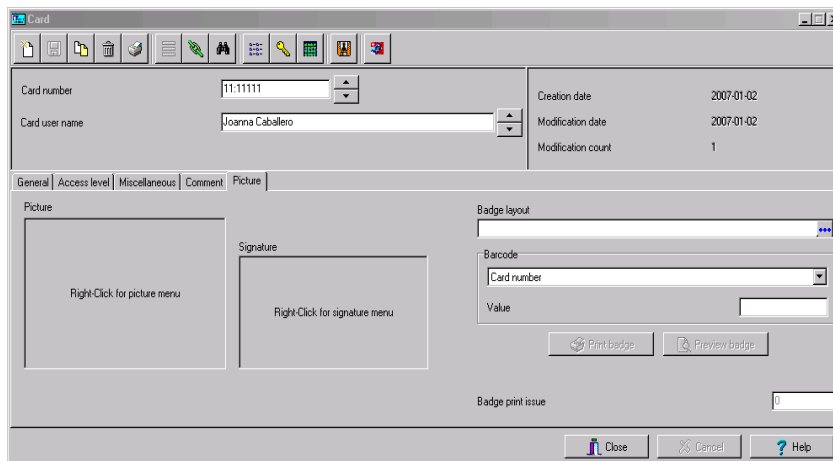
Entrapass offers the ability to associate photos and signatures with cardholders and to associate badge templates with cards as well as to print badges.

Photos and signatures can be retrieved from files, pasted from the clipboard, or captured using an appropriate device. To capture video images, use any MCI and TWAIN compliant device. For


capturing signatures, signature pads such as Topaz, Penware TTI500 and Penware TT3100 are recommended.

To Assign a Picture from a File


- 1 From the Card window, select the **Picture** tab.




- 2 Right-click the picture area. A shortcut menu appears; choose the appropriate action:
 - **Get picture from file:** this option allows you to select a previously saved picture.
 - **Paste picture:** this option allows you to paste a picture from the clipboard. To use this option, you have to copy the picture, then paste it into the picture window.

 **NOTE:** The Video capture option is enabled only when a video capturing device is installed.

- 3 From the **Files of type** drop-down list, select the file type you are looking for or leave this field to **All** to display all image files. Make sure that the **Auto displayer** option is selected to enable preview.

 **NOTE:** Files with the following extensions are supported: BMP, EMF, WMF, JPG, GIF, PNG, PCD, and TIF.

- 4 Select the directory where the image is stored. Select the image you are looking for, then click **Open** to import it into the **Card** window.

 **NOTE:** To delete the imported picture, right-click the picture, then choose **Clear picture** from the shortcut menu.



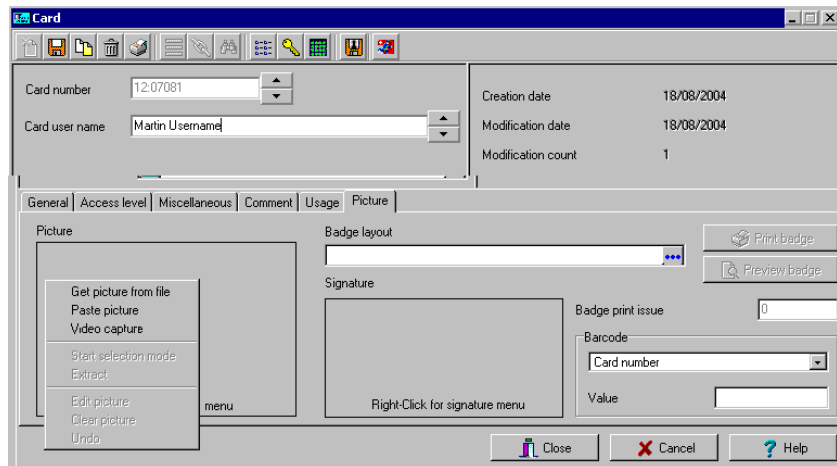
To Assign a Picture Using a Video Camera

The **Video capture** option is enabled only when the option **Enable video capture** is checked: **Options > Multimedia devices > Video tab**.

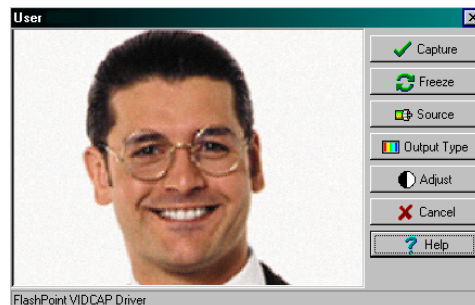


NOTE: Before you can capture images using a video camera, all equipment needs to be properly configured. For more information, consult your manufacturer's device manual. If you have more than one video driver, you will need to specify the video driver to be used (**Options > Multimedia devices > Video tab**).

- 1 Right-click the picture area.



- 2 From the shortcut menu, select **Video capture**. This option is enabled only when the Video capture capability has been enabled in the Options menu (**Options > Multimedia devices > Video**).



NOTE: Options may vary depending on the video capture program. If you have more than one video driver, you will need to specify the video driver you are using. For more information on configuring your video drivers, see "Multimedia Devices Configuration" on page 323.



- Click the **Freeze** button when you are satisfied with the displayed image, then click the **Capture** button to paste and save the displayed image.

- To associate a badge layout with the defined card, select one from the **Badge layout** list. For information on how to define a badge layout, see *"Badges Designing"* on page 165.

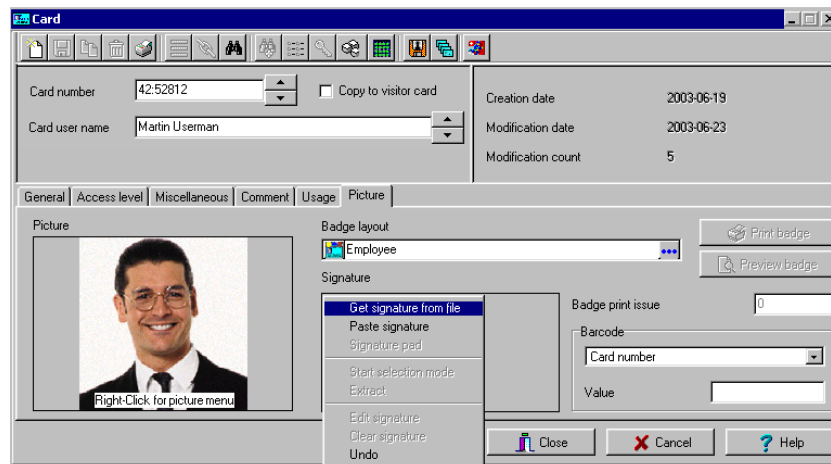


NOTE: The **Print badge** and **Preview badge** buttons are enabled only when a badge printer and badge layout has been selected and the option **Use badge printer** checked: **Options > Printer > Badge printer**. If these buttons are enabled, you can preview and print the cardholder's badge.

Importing a signature from a file

You can import a signature, just as you import other images such as logos or pictures into the card.

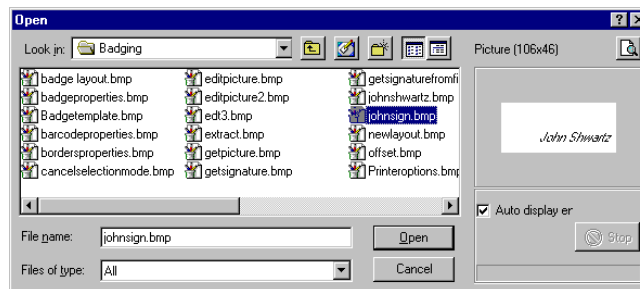
- 1 From the Card window, right-click the signature area. A shortcut menu appears.



- 2 From the shortcut menu, make the appropriate choice:
 - **Get signature from file:** allows you to select a previously saved signature.
 - **Paste signature:** allows you to paste a signature that was previously copied to the clipboard. The option is enabled when there is content in the clipboard.



NOTE: The *Signature pad option* is enabled only when the appropriate device is enabled in the Options menu (**Options > Multimedia devices > Signature**).



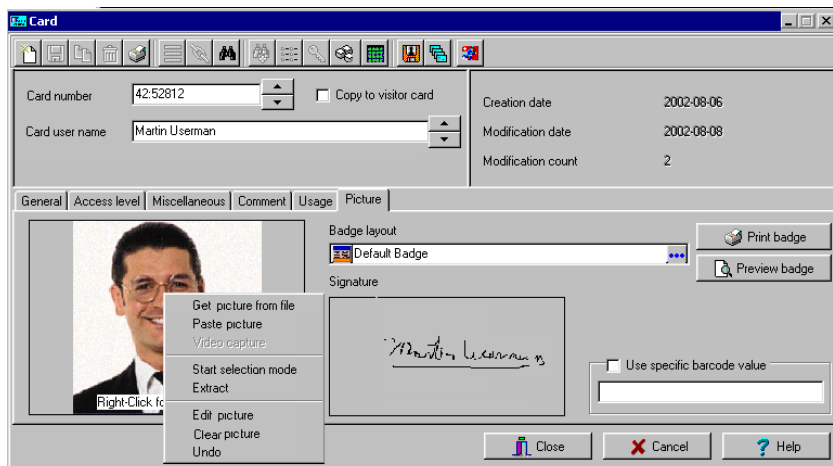
- 3 Select the signature file, then click **Open**.

Adding a Signature from a Signature Capture Device

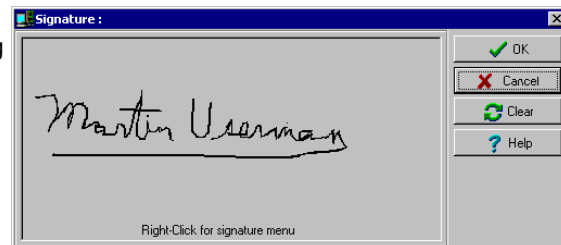
Use this option if a Signature Capture Device is installed and configured. The Signature pad option is enabled only when the appropriate device is enabled in the Options menu (**Options > Multimedia devices > Signature**).



- 1 From the Card window, right-click the signature area. A shortcut menu appears.



- 2 From the shortcut menu, select **Signature pad**. The Signature window appears, allowing you to preview the signature.
- 3 Click **OK** to paste the signature in the card window.



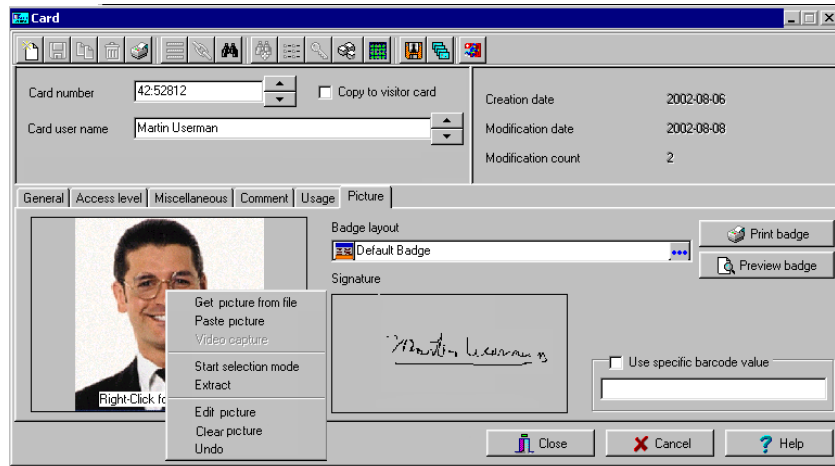
Working with Photos and Signatures

The Entrapass Integrated Badging feature allows users to extract part of an image or enhance images that are incorporated into cards.

To Extract Part of an Image

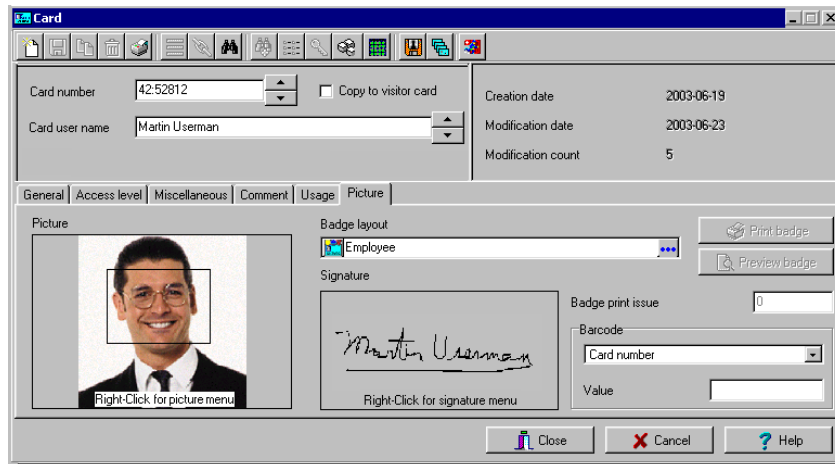
If you have incorporated a large image but you need only part of it, you can select and extract the part that you want to assign to the card (picture, signature).

- 1 Right-click the image you have just imported.



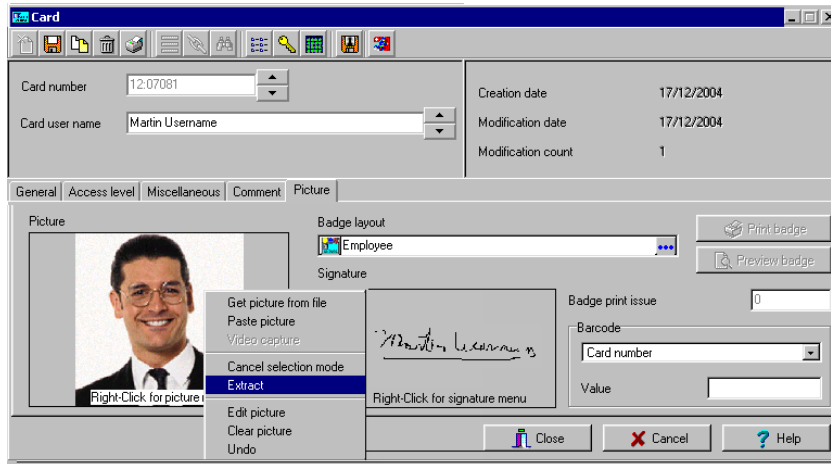
NOTE: The **Extract** option is enabled after you have started the selection mode. Similarly, the **Undo** option is enabled only when an image has been pasted.

- 2 Select **Start selection mode** from the shortcut menu.



NOTE: You can increase the size of the selection rectangle by dragging its sides and corners to adjust to the part of the image you want to extract. You can also move it by dragging it to the desired area of the image.

- Once you have selected the part you want to incorporate into the card, right-click the image again. A shortcut menu appears.

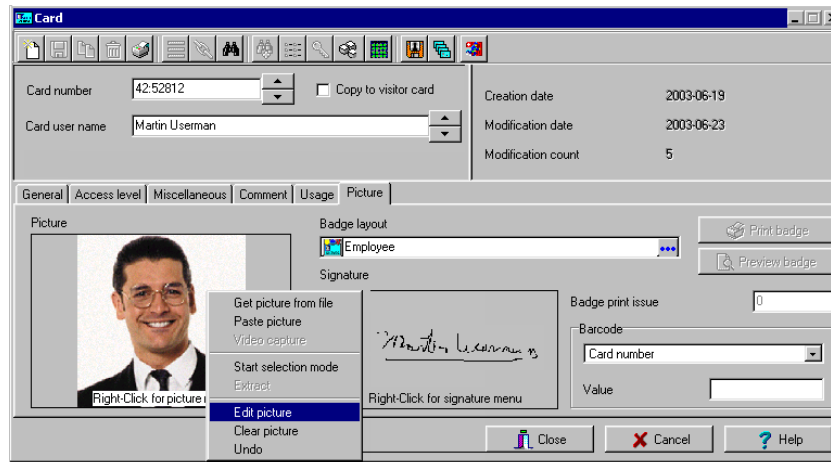


NOTE: To disable the current selection, right-click the picture, then select **Cancel selection mode**. Select **Undo** to discard the changes. The **Undo** option is enabled only when you have pasted an image.

- From the shortcut menu, select **Extract**.

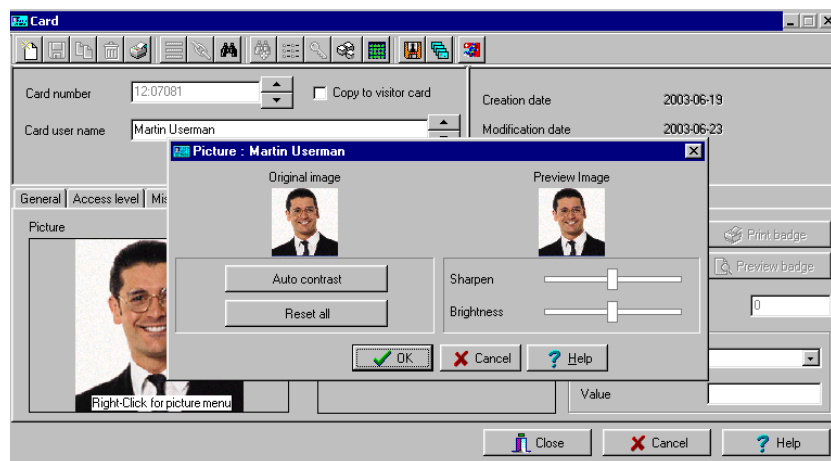
To Edit a Picture/Signature

- 1 Right click the image you want to edit.



NOTE: The **Barcode** area allows you to assign a barcode to a badge for identification purposes. Select any item from the drop-down list to be used as the value of the barcode. Select **Custom** to enable the **Value** field and type a specific barcode value. If you do not enter a custom barcode value, the **Card number** is used as the default value.

- 2 From the shortcut menu, select **Edit** (picture or signature).



- 3 Adjust the features of the image using the displayed options. The **Reset all** option enables you to go back to the original image:

- **Auto contrast:** this feature gives better contrast by intensifying lights and shadows: it makes the darks darker and the lights lighter. In general, this auto contrast feature gives a good result when a simple contrast adjustment is needed to improve an image's contrast.
 - **Sharpen:** this feature provides more definition to blurry images by applying sharpening only when an edge is found.
 - **Brightness:** this feature allows you to add light to the image by sliding towards the positive values.
 - **Reset all:** this feature allows you to undo all the changes and to restore the original image.
- 4 Click **OK** to close the **Picture** editing window.
 - 5 From the Badge layout pull-down menu, select a layout to associate with the card you have defined To define a badge layout, see "Badges Designing" on page 165.

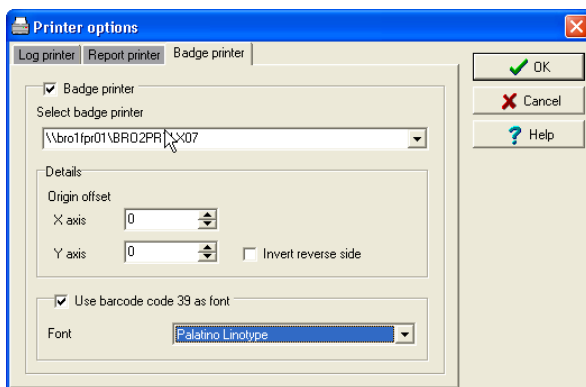
Printing Badges

You may print badges from a **Card** or from all **Badge preview** windows. The software is set up to let you print one single or double-sided badges.

Before you print, you have to select a badge printer. It may be any network printer, or a specific badge printer.

To Select a Badge Printer

- 1 From the EntraPass Workstation window, select the **Options** toolbar, then click the **Printer Option** button.
- 2 From the Printer option window, select the **Badge printer** tab.



NOTE: You can print badges to any network printer. However, to print badges on appropriate cards, you have to select a badge printer.

- 3 Check the **Badge printer** option to indicate to the system that a badge printer is selected. If the **Badge printer** option is checked, the Print badge and Preview badge are displayed in windows where you can print badges (Card windows).
- 4 From the **Select badge printer** drop-down list, select the printer dedicated to badging.
- 5 Adjust the margins:



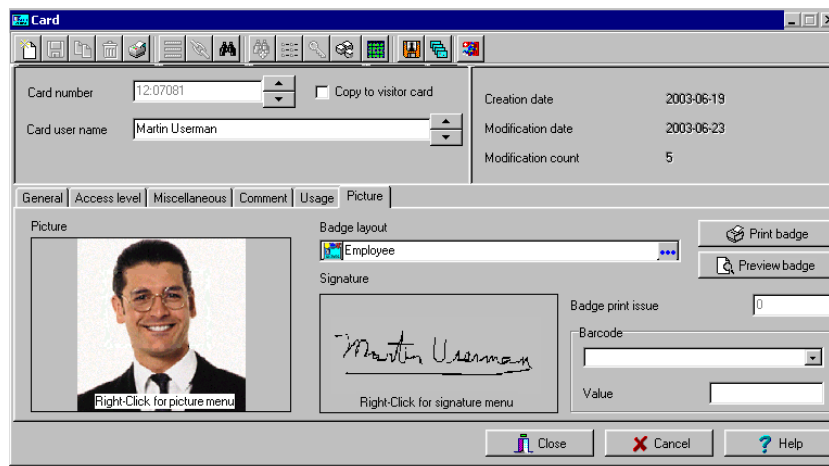
- Origin offset, X axis: indicates the left margin.
- Y axis indicates the upper margin.

To Preview and Print Badges

The **Badge - Preview and Print** window allows you to preview a badge layout with card information (if the badge layout is associated with a card) or with default values (if the template is not yet associated with a particular card).

The program permits you to print single or double sided badges.

1 From the Card window, click the **Preview badge** button.



NOTE: From the Badge design window, the preview option allows you to view a badge with default values since there is no card associated with it (**Badge design > Layout > Preview**).



- 2 From the Badge - Preview and Printing window, choose a printing option:



- **Print front side:** only the front side (preview in the left-hand pane) is printed.
- **Print back side:** only the back side (preview in the right-hand pane) is printed. This button is enabled only when the badge is defined with two sides.
- **Print both sides:** the front and back side are printed. This button is enabled only when the badge is defined with two sides.



NOTE: Important! In Order to print badges with barcodes, your printer has to be properly set. You have to select the "black resin" option, otherwise, barcode readers may not detect the barcode. If you have problems with barcode printing or reading, refer to your printer manufacturer's manual.

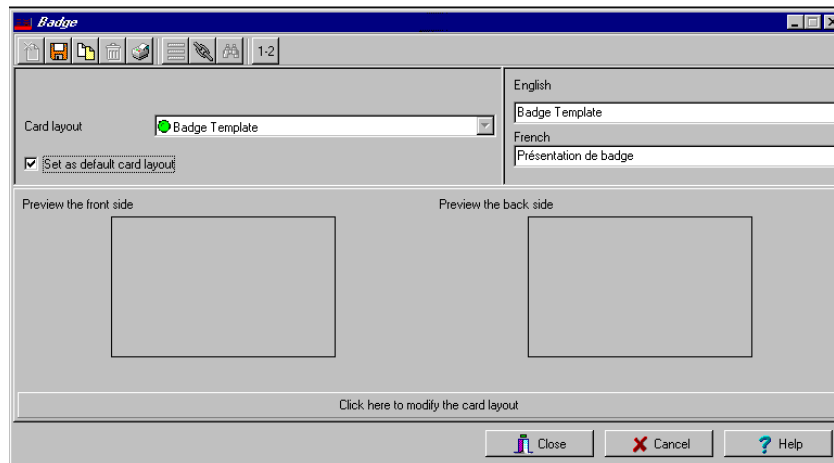
Badges Designing

Entrapass contains a badge layout editor which enables users to create, save, edit or delete badge templates that are later selected and associated with cards for badge printing.

You can create and edit badge templates, add colored or graphic backgrounds, logos, text, barcodes, and place photo or signature holders.

Creating a Badge Template

- 1 From the Users menu, select the **Badge** icon. The Badge window appears.

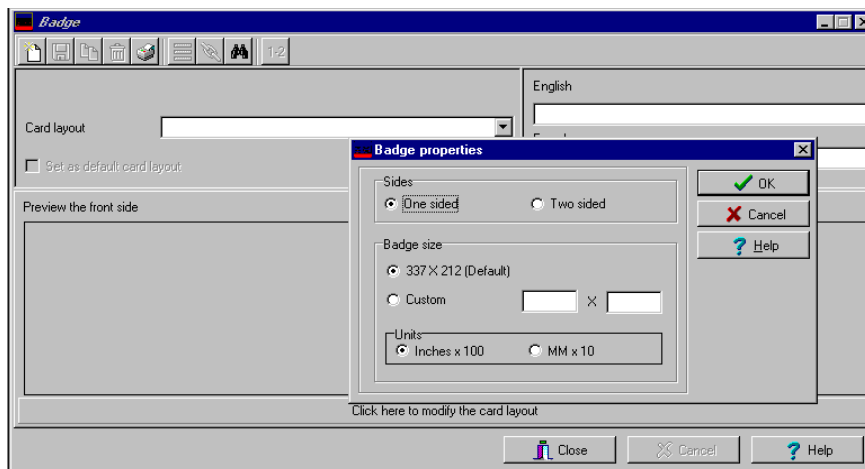


NOTE: The Badge window contains all the tools available in other Entrapass windows: new, save, copy, delete, print, links, search (the Hierarchy button is disabled). However, it contains an additional 1-2 button which allows to modify the number of sides assigned to a badge layout.

- 2 Click the **New** icon in the toolbar. The Badge properties window appears.

To Specify Properties for a Badge Layout

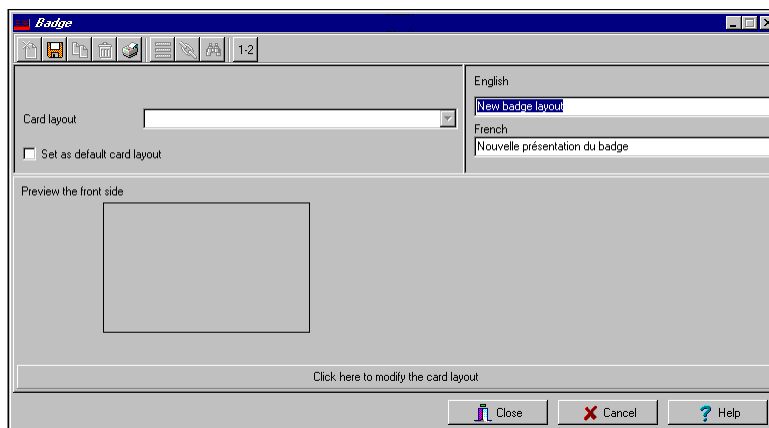
- 1 In the Badge properties window, indicate the number of sides for the badge, then select the desired size for the badge layout, then click **OK**.



- 2 Indicate the number of sides for the badge, then select the desired size for the badge layout, then click **OK**.



NOTE: Measures are expressed either in inches or millimeters (a hundredth of an inch or a tenth of a millimeter). To change the unit of measure, check the appropriate radio button in the Units section.



- 3 Enter the name for the badge template in the language fields. You can enter up to 40 characters.

- 4 You may check **Set as default card layout** if you want this new design to be automatically used for all new badges.



NOTE: Only one default layout is available. When you select one layout and check the option **Select as default card layout**, the current default layout is replaced.

- 5 Click the **Save** icon to save the badge template.

To Edit a Badge Layout

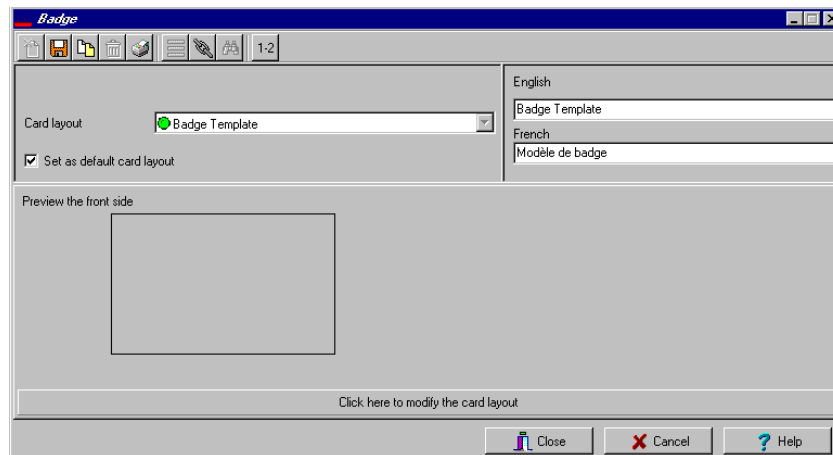
The Badge design utility allows users to edit the badge layout, to add background color or graphics, to modify the font, etc.



NOTE: Once a card layout is created, you cannot modify its size; you have to create a new layout. However, you can modify the number of sides by clicking on the **Sides** icon in the Badge window toolbar.

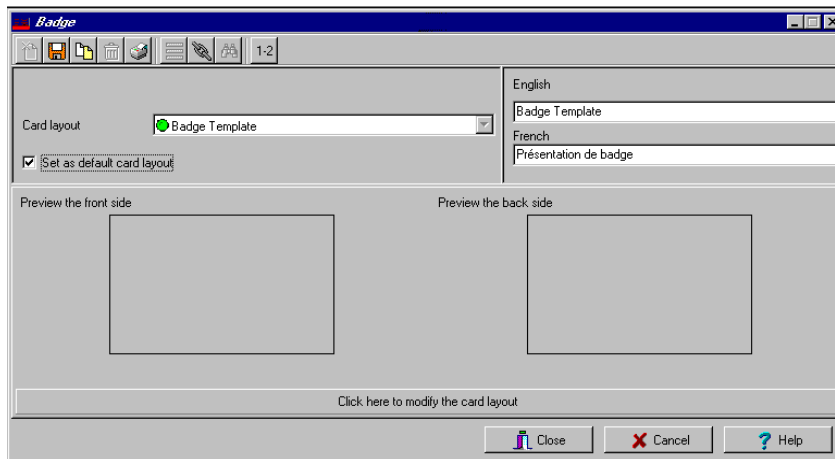
To Modify the Number of Card Sides

- 1 From the badge window, select the badge you want to edit.





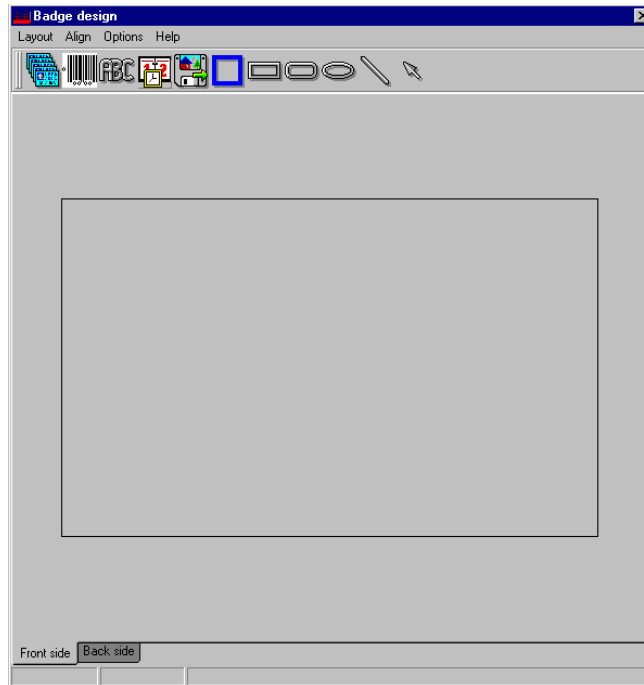
- From the Badge window toolbar, click the 1-2 button.



- Click the **Save** icon to save the new badge information.

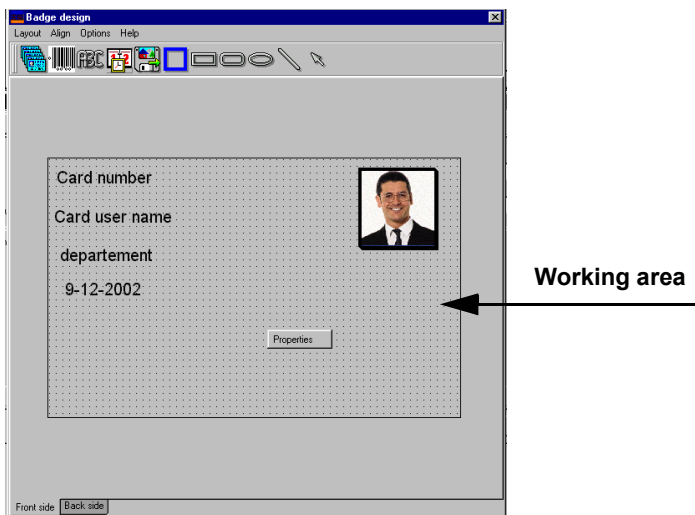
To Modify the Background Color

- 1 From the Badge window, select the badge you want to modify.
- 2 Click the **Click here to modify the card layout** button (located in the lower part of the window) to open the Badge design window.

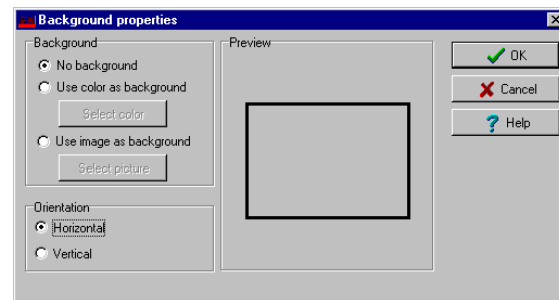


NOTE: When you move the cursor over the Badge design objects, a hint explaining each object appears.

- To modify the template background color, right-click anywhere in the work area. The **Properties** shortcut menu appears.



- Select **Properties**. The Background properties window appears.
- Select the appropriate options for the template:
 - No background** (default setting)
 - Use color as background**: this option will allow you to apply a background color to all the designs.
 - Use image as background**. This option allows you to incorporate an image that will be displayed as a watermark in all the badges.
 - Orientation**: allows you to select a landscape (horizontal) or portrait (vertical) display.



To Add Objects to a Badge Layout

By a simple click and drop feature, the Badging utility permits you to incorporate objects into the badge template:

- Card fields information,
- Barcodes,
- Text boxes,
- Current date,
- Previously saved images and logos (BMP, JPG, GIF, etc.),
- Border,

- Rectangle (including rounded rectangle, ellipse),
- Line, pointer,



NOTE: Objects are incorporated with their default settings. To modify an object's properties, right-click the object, then select appropriate settings from the shortcut menu.

To Incorporate Card Information Fields

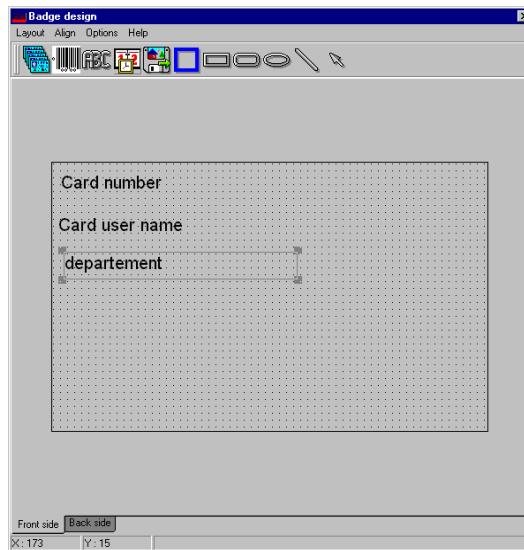
- 1 To add card information fields to the badge template, click the **Card fields** icon. The **Card fields** submenu appears.
- 2 To modify an object property before you drop it, go to **Options** in the Badge design window, then choose **Show properties on drop**. If you do this, the Properties window will open every time you drop an item in the template work area.



NOTE: To enable last and first name selection in the Card fields menu of the Badge design window, go to the **Options menu**, then choose **System parameters**, select the **User name format** tab, check **Parse user name** checkbox, then select the name (first or last name) that will be used for sorting cardholders' names. For more information see "User Name Format" on page 332.

- 3 From the shortcut menu, select the card information field you want to add to the template layout, then click in the template work area to incorporate that field you have selected.

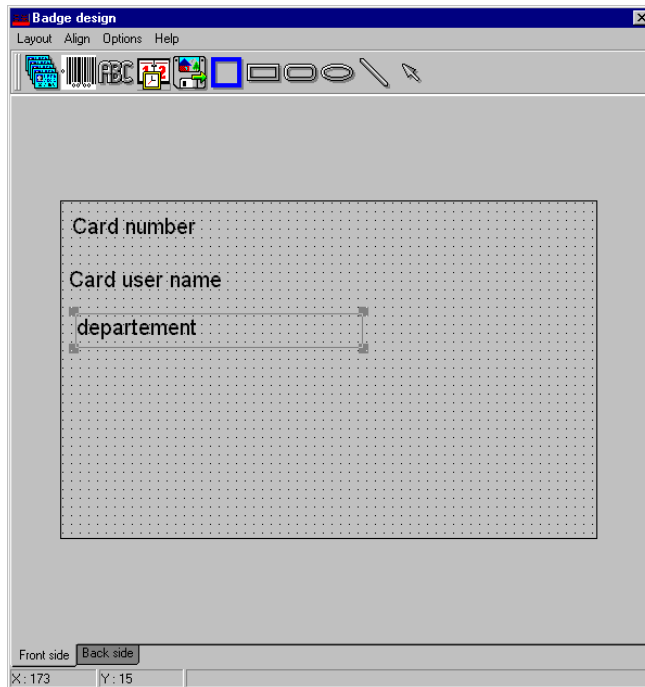
Card number
Card user name
Card information 1
Card information 2
Card information 3
Employed number
Card information 5
Card information 6
Card information 7
Card information 8
Card information 9
Card information 10
Start date
End date
Picture
Signature
Last name
First name



NOTE: When you add a photo to a badge design template, the photo that appears is only a placeholder. It indicates where the cardholder's photo will be displayed. When a badge is assigned to a card, the appropriate cardholder's photo is displayed.

To Align Objects in the Template Layout

Grids assist you in aligning items in the badge layout template. It can be used as a visual aid to place items on gridlines.



Three options are available to help you align your objects in the badge template:

- **Show gridlines:** displays grid points to aid with object alignment.
- **Align to grid:** must be activated before you start building your template. As you “click and drop” design objects in the template work area, they will be “snapped” to the nearest grid mark.
- **Grid settings:** allows you to specify the horizontal (Height) and vertical (Width) grid spacing (in pixels).



NOTE: To disable the grid unselect **Show gridline** in the **Align** menu.

To Modify Card Fields Properties

Objects are incorporated in the template with their default settings (font, color, etc.). You can modify the settings later. For example, you can modify the appearance of any text object, such as card field, static text, date, etc.

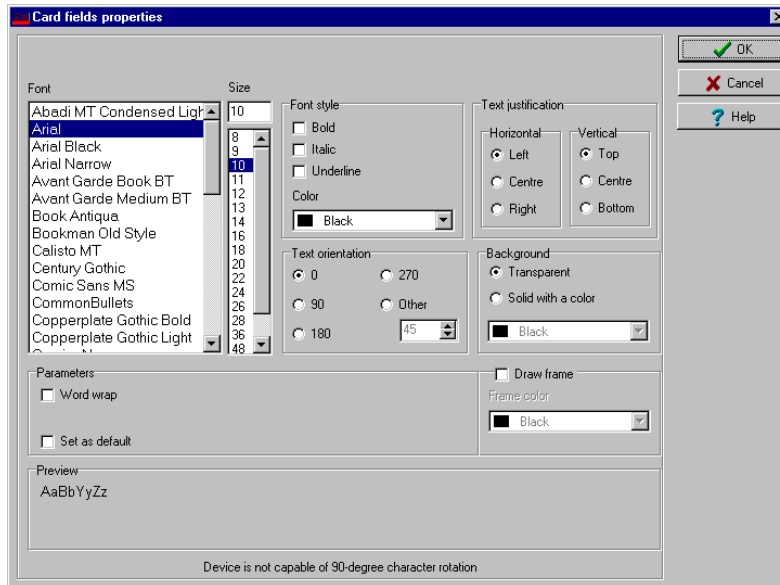
- 1 From the Badge design template, right-click the object you have inserted (in this example, Card information fields).



2 From the shortcut menu, select **Card fields properties**.



NOTE: The Properties menu item depends on the selected item. For example, it will change to Image properties or Current date properties, depending on the selected object.



3 From the Card fields properties window, you can modify all the text properties:

- Font (name, color, style (bold, italic, underline)),
- Background (transparent or solid with a color),
- Justification (horizontal, vertical),
- Orientation,
- Parameters (word wrap, for example).



NOTE: The **Set as default** checkbox allows you to apply all the characteristic to all text objects that will be incorporated in the template.

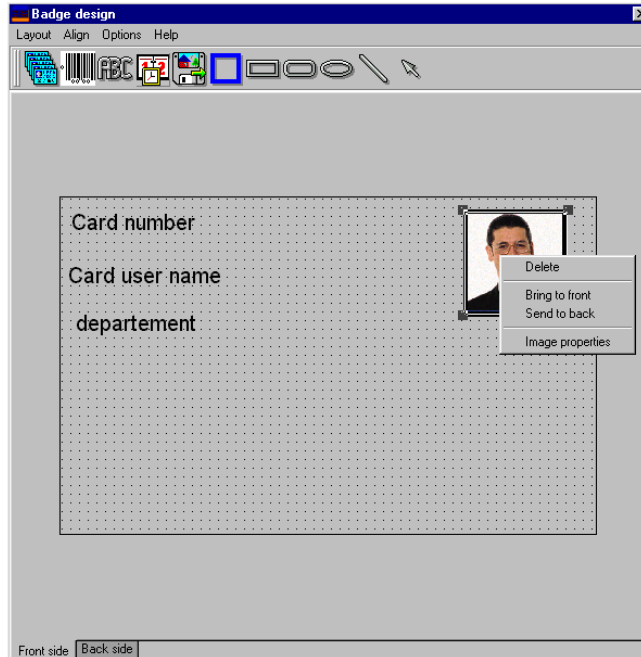
NOTE: When Text Orientation is set to “Other” it is not possible to resize the field.

To Modify Picture Properties

This applies to any picture object such as photos, logos, and signatures.

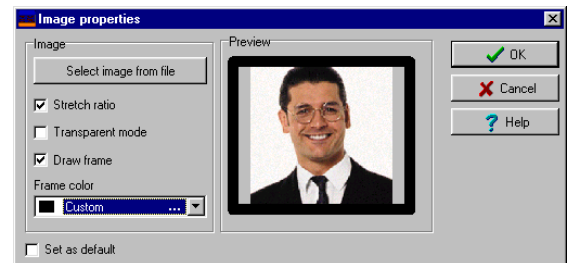


- 1 From the Badge design work area, right-click the image (picture, logo) or signature that you want to modify.



- 2 From the shortcut menu, select **Image properties**.

- 3 You may select another image from file or modify the image properties:
 - **Stretch ratio**: select this option if you want the image to be centered in the image holder space, while keeping the proportion of the original image.
 - **Transparent mode**: if you choose this option, there is no background color,
 - **Draw frame**: select this option if you want a frame around the picture object,
 - **Frame color** (enabled when a Frame option is selected): select this option if you want to apply a specific color to the image frame. The Frame color drop-down list enables you to select a custom color from the frame.

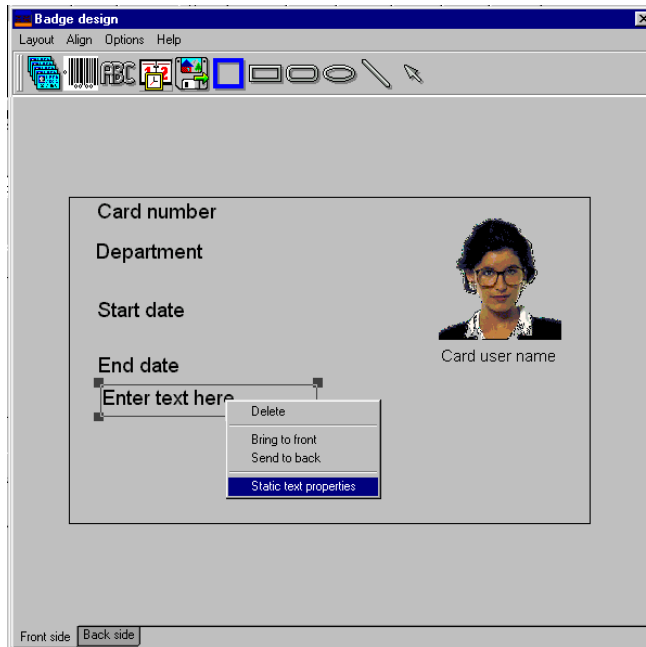


- 4 You may check the **Set as default** option if you want these properties to apply to all image objects you add in the badge template.

To Add Static Text Objects

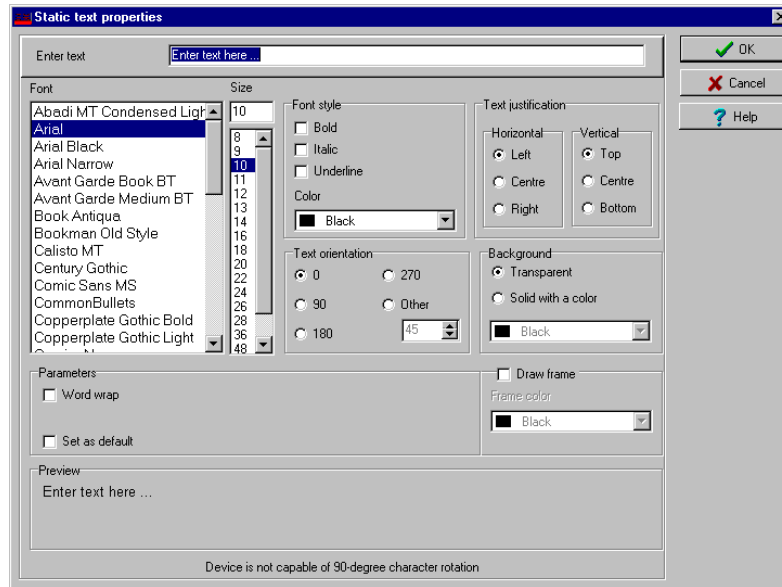
To add text objects to a badge, first click and drop a text box, then enter the text in the Text properties window. It is also in the Text properties window that you modify the text appearance.

- 1 From the Badge design tool bar, click the text icon. To resize the text box, select it and use the two-headed arrow to drag the sizing handles to the desired position. This also allows you to change the height and width of the text box.



- 2 To align the text box, see *"To Align Objects in the Template Layout"* on page 172.

- To add text to the text box, right-click the text box, then select **Static text properties** from the shortcut menu.



- Enter text in the **Enter text** field; then modify the text properties as desired. The Preview section shows the result of the changes you apply to the text.

To Add Bar Codes

The Badging feature allows users to add bar codes to badges. By default, the barcode value is the card number, if no other value is specified.



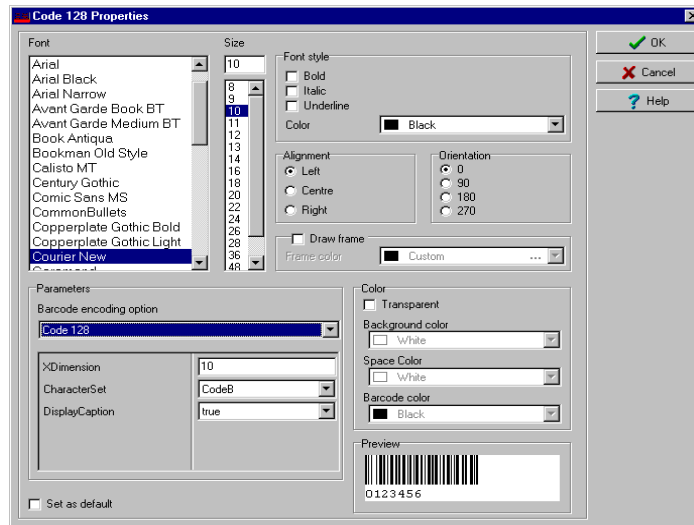
- 1 From the Badge design window, click the **Barcode** icon, then click in the Badge design work area.



- 2 To align the barcode, see *"To Align Objects in the Template Layout"* on page 172.

To Set Up Barcode Properties

- 1 From the Badge design window, right click the barcode to open the Barcode Properties window.



Supported Encoding Options:
Code 39 or Code 39-Modulo 43
POSTNET
Codabar
EAN 8 & EAN 13
UPC A
UPC E
Code 2 of 5
Interleaved 2 of 5
Code 128

- 2 From the Properties window, you can define settings for the barcode that you want to incorporate in the Badge design.



NOTE: If it is necessary to set **Barcode encoding option** to Code 39-Modulo 43, set **Field Checksum** to true.

To Add the Current Date

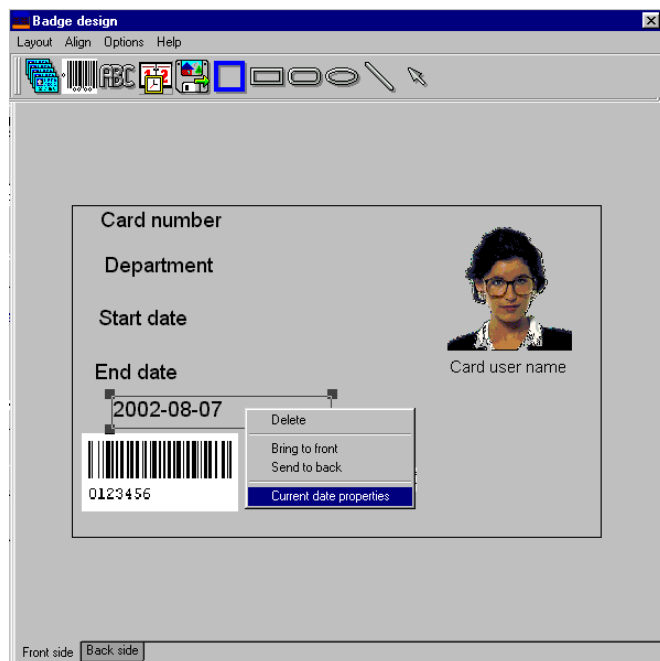
You add the current date just as you add any other design item by selecting the item in the tool bar, then by clicking in the Badge design work area.



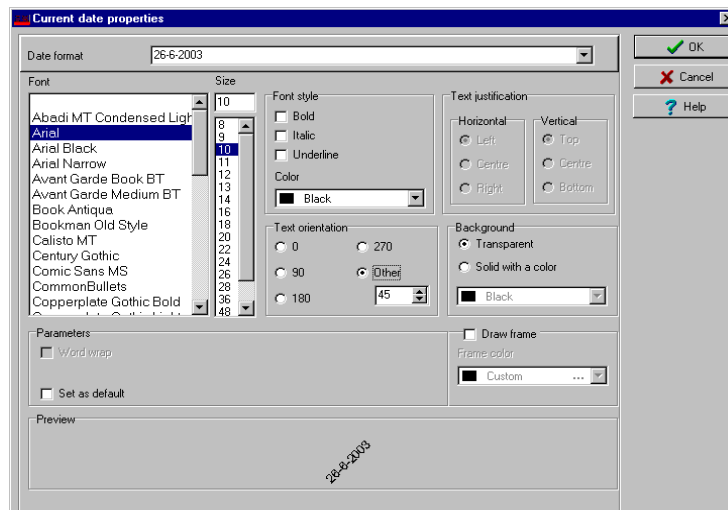
- 1 From the Badge Design template, select the **Current date** icon, then click in the Badge design work area.



- Right-click the current date to display the shortcut menu.



- To align the current date, see *"To Align Objects in the Template Layout"* on page 172.
- Select **Current date properties** from the shortcut menu.

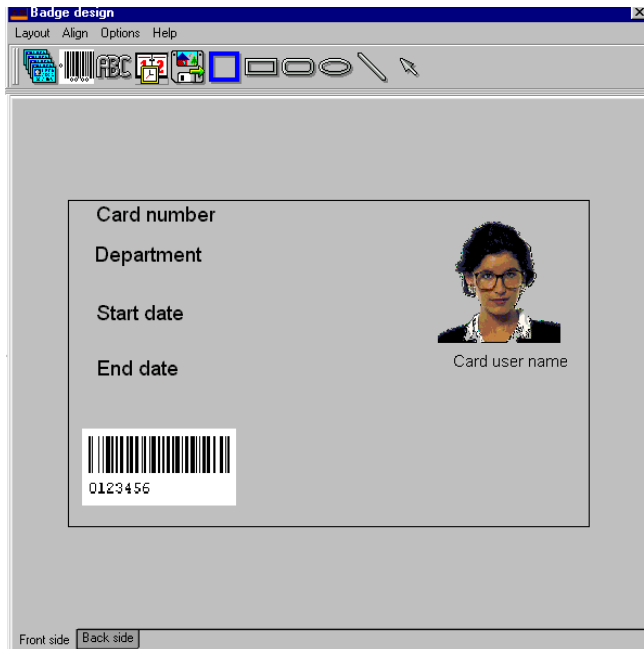


- 5 From the Current date properties window, you can:
 - Select the date format (top of the window)
 - Change the text properties: font, color, justification, orientation etc.

To Add an Image

Background images can be imported from any directory. Scanned images, photos taken with a digital camera and artwork created in any illustration design program can be incorporated into the badge design.

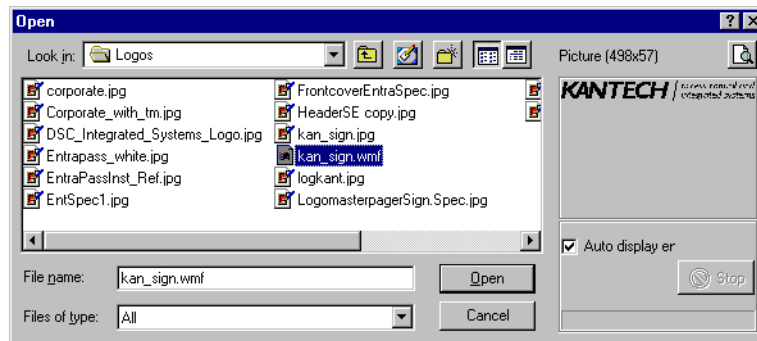
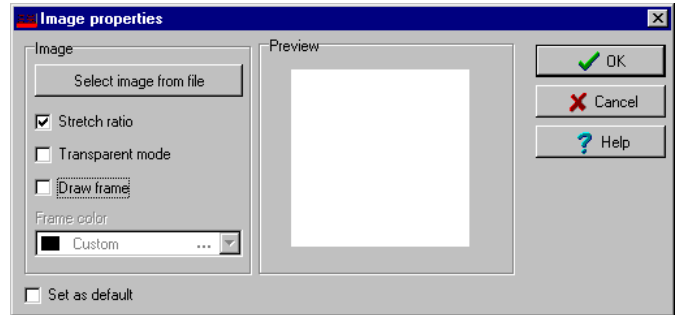
- 1 From the Badge design window, select the **Picture** icon.



NOTE: The Badging feature supports most available image formats: BMP, JPG, EMF, WMF, GIF, PNG, PCD, and TIF.



- Drop the **Picture** icon in the template work area. The Image properties window appears.
- Click the **Select image from file** button. The Open window appears, allowing you to select an image.



Click the zoom button to increase the size of the image in the preview pane

- Browse to the desired image, then click **Open**. The picture appears in the template area.



NOTE: When you import an image, you have to resize it to its original size as illustrated on the following image.

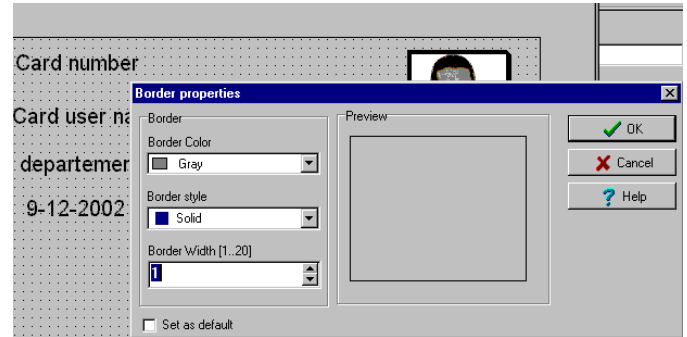
- Using the sizing handles, adjust the image to the desired size, then move it to the right-hand position; you can use the grid to align it properly. For more information, see *"To Align Objects in the Template Layout"* on page 172.
- Right click the image to modify its properties. For details, see *"To Modify Picture Properties"* on page 174.

To Place Other Design Objects

The Badging feature lets you add borders, rectangles (regular, rounded, ellipse), lines and pointers, just as you add any other design object, by a click in the toolbar, then a drop in the design work area.

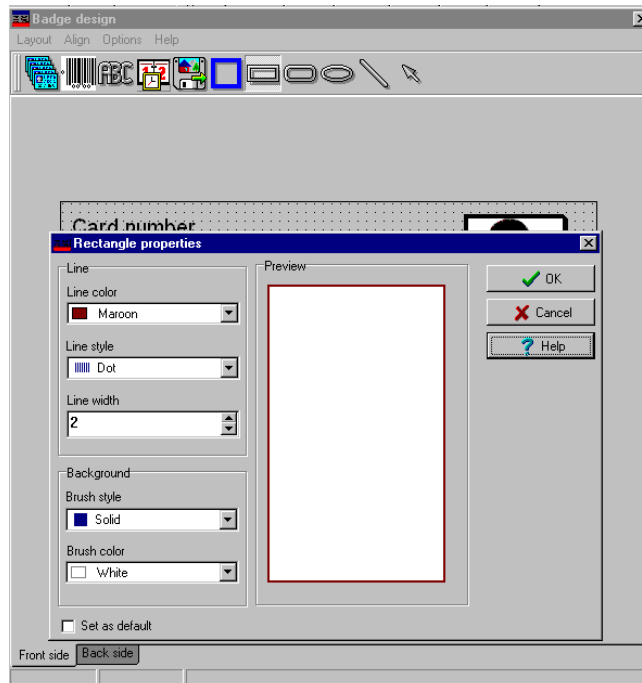


- 1 From the Badge design window, select the object you want to add (next to the Diskette icon), then click in the Badge design work area. The Border properties window opens.
- 2 To modify the border properties, select the border color, the border style, and the border width. You may check the **Set as default** option, then click **OK** to exit.



To Place a Rectangle

- 1 From the Badge design window, select the rectangle tool (next to the Border tool), then click in the work area.



NOTE: This applies also to rectangles, rounded rectangles and ellipses.

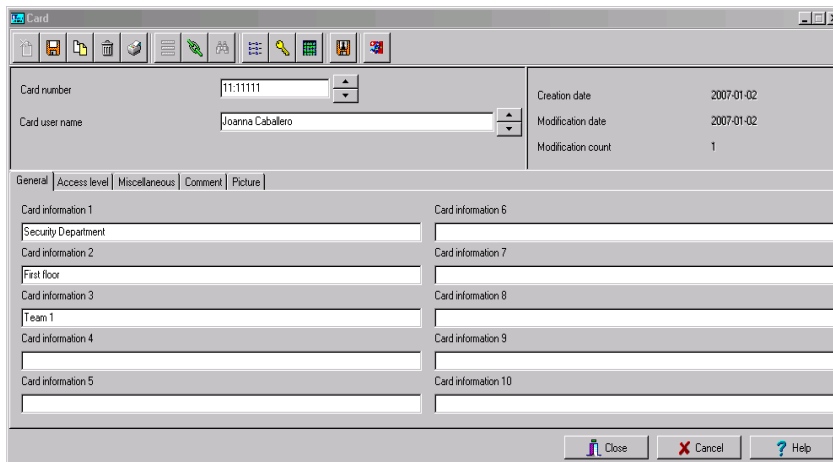
- 2 From the Rectangle properties window, you may define the rectangle properties before importing it:
 - Line color,
 - Line style,

- Line width,
- Background (brush style and brush color).

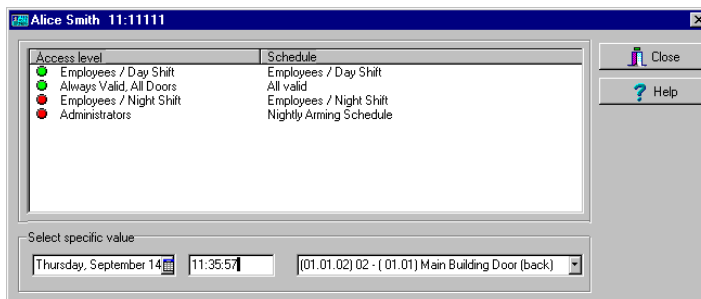
Validating Card Access

The Validate card access feature lets you view access levels that are assigned to a particular cardholder.

- 1 From the Card window, select a card.



- 2 From the Card window toolbar, click the **View and Validate Access** button (the key icon in the toolbar).



- 3 From the **Select specific value** section, select the date, time and the door on which the validation is required. The system displays the access levels for the selected door as well as the schedules assigned to the displayed access levels. The **Access Level** column displays the access levels associated with the selected door. The **Schedule** column displays the schedule associated with the access level.
 - **Red**—Indicates that access to the selected door on the selected date and time is not allowed (not authorized).

-
- **Green**—Indicates that access to the selected door on the selected date and time is allowed (authorized).

Cards Printing

Use the Print feature to print a specific range of all the cards that are stored in the database. You can select various filters to customize the card list.

You can preview your list so that you can modify or verify the settings (fields) before printing.

You can also use the **Font** button to set a different font and font size for your report.



NOTE: Whatever your selections, the card user name and card number will always be displayed. By default, only fields containing information will be printed. If no fields are selected, only cards containing information will be printed. If you want to print empty fields, check the **Print empty fields** option. If you want to simply preview card reports there must be at least one printer installed on the computer.

Printing Cards

- 1 From the Card window, click the **Printer** icon.

The screenshot shows the 'Card' window with the following settings:

- Card index: Card number
- Specific range: (checked)
- Lower boundary: 00.00000
- Upper boundary: 00.00000
- Filter: (checked)
- Start date between: 17/12/2004 to 17/12/2004
- End date between: 17/12/2004 to 17/12/2004
- Card state: Valid
- Exist trace: (checked)
- Exist comment: (checked)
- Exist delete on expired: (checked)
- Exist PIN: (checked)
- Exist wait for keypad: (checked)
- Select door for access filter: (empty)
- Print selected fields: (checked)
- Access level: (unchecked)
- Badge: (unchecked)
- Card information 1: (unchecked)
- Card information 10: (unchecked)
- Card information 2: (unchecked)
- Card information 3: (unchecked)
- Card information 4: (unchecked)
- Print empty fields: (unchecked)
- Print component reference: (unchecked)

Buttons on the right side: Close, Help, Print, Preview, Font.



NOTE: By default, empty fields are not printed. To print empty fields, check the **Print empty fields** option.

- 2 Select a sorting criteria from the **Card Index** drop-down list. These are card information fields.
- 3 If you are printing a specific range, check the **Specific range** option. Select the field that will be used to sort the card list. For example, if you select **Card number**, the cards in the list will be sorted according to the card numbers in ascending order. This field can also be used to target a specific range of cards when using the **Lower/Upper boundaries** fields.



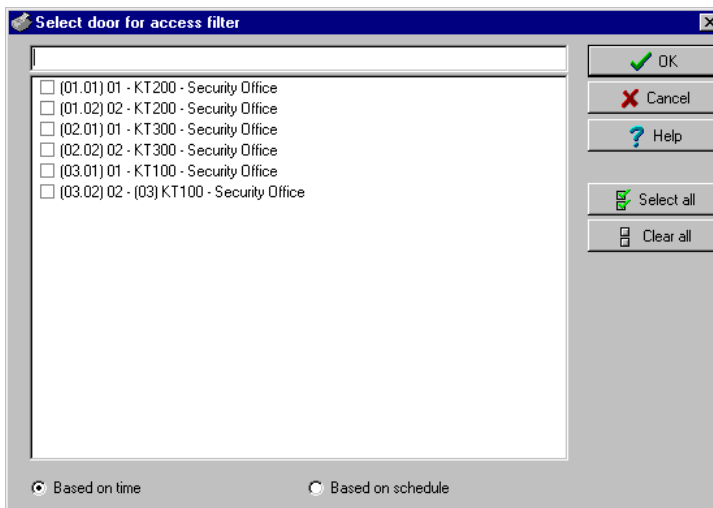
- If you want to print a specific range, you have to specify a starting number in the **Lower boundary** field. It has to be used with the **Upper boundary** field. You must use the “card index field”.
- If you have decided to print a specific range and if you have entered a **Lower boundary** value, enter the last number or letter in the **Upper boundary** field. This field is used with the Lower boundary and the Card Index field.



NOTE: Only cards that match ALL the selected filters will be printed. For example, if you specify six filters, all the six criteria must be met. Cards that do not match all the six criteria will not be included in the range.

- 4 Select the **Filter** option if you do not want the system to search through all the cards of the system. Filters will restrict the search and facilitate the production of the desired card list.
 - **Start date between**—The system will include cards with a “Start date” field which is within the specified range (Miscellaneous tab).
 - **End date between**—The system will include cards with a “Use end date” field which is within the specified range (Miscellaneous tab).
 - **Card state**—Check the option and then select the desired state. The system will include cards that have this card state selected in the Card window (Miscellaneous tab).
 - Select the **Exist trace** for the system to include cards that have the “Card Trace” option in their definition (Card window, Miscellaneous tab).
 - Select the **Exist comment** option for the system to include cards that have information in the **Comment** field in their definition (Card window, Comment tab).
 - Select **Exist PIN**—The system will include cards that have a PIN.
 - Select **Exist delete when expired**—The system will include cards that have information in the **Delete when expired** field (Card window, Miscellaneous tab).
 - Select **Exist wait for keypad** for the system to include cards that have information in the **Wait for keypad** field (Card window, Miscellaneous tab).
- 5 You may also check the **Print selected fields** to include specific data. If you select this field, no other fields below, the system will print the cards that match the filters you specified above with the card number and user name only.

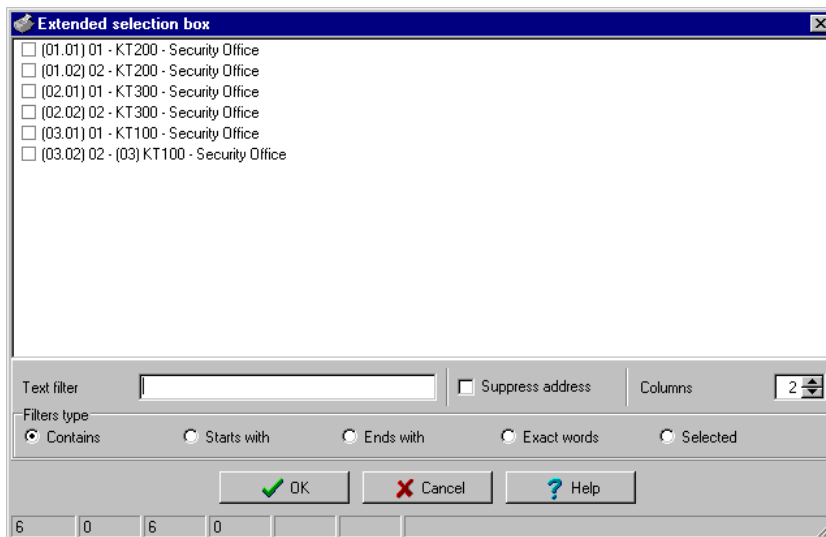
- Click the **Select door access filter** button if you want to include cards associated to a door.



- Select the **Based on time** option if you want to select cards according to the time or select **Based on schedule** if you want to select cards according to a defined schedule.



NOTE: To extend the selection, right click within **Select door for access filter** window.



- Check the appropriate field you want to print. The system will include the field content as it appears in the card definition.

-
- 9 You may save the list as a.QRP file (Quick Report) to view later using the Quick Viewer option.
 - 10 You can also use the “Font” button to use a different font and font size for your list. The changes will appear automatically in the sample box. Use the **Preview** button from the print window to preview your report.

Last Transactions Display

The **View last transactions** feature lets you view the most recent transactions for the selected cardholder. For example, the window will display “Access denied” as the type of event, and will display the date and time as well as the event message that was displayed in the Message desktop.

The system displays the 15 most recent transactions for each category:

- Access denied events (bad location, bad access level, bad card status, etc.),
- Access granted events,
- Database events (that have affected the database, such as: card definition modified, relay definition modified, etc.),
- Other/Miscellaneous events (these include events that were generated by cardholders),
- Time and Attendance events (entry, exit).



NOTE: To view more transactions for a specific category, see the “Card use report” option in the Historical Report definition menu.

Viewing the Last Transaction

- 1 From the card definition window, select the **View last transaction** icon.

Type	Date and Time	Event message	Details
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-10-19 11:3...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-11-02 14:4...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-11-14 10:5...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Access denied	2000-11-14 11:0...	Access denied - Bad access level	(01.01.01) 01 - 01 - 01 - 01 - Administration Works
Database	2000-10-12 17:1...	Card definition modified	Administration Workstation KANTECH
Database	2000-10-12 17:1...	Card definition modified	Administration Workstation KANTECH
Database	2000-10-17 15:0...	Card definition modified	Administration Workstation KANTECH
Database	2000-10-17 15:0...	Card definition modified	Administration Workstation KANTECH
Database	2000-10-24 15:1...	Card position manually modified	Administration Workstation KANTECH

- **Type**—Displays the event category.
- **Date and time**—Displays the date and the time stamp of the event message.
- **Event message**—Displays the event message that was sent when this event occurred. This is the same message as in the Message desktop (Desktop menu).
- **Details**—Displays additional details directly related to the type of transaction. For example, for a “card definition modified” event message, the Details column lists the EntraPass applications from which the card was modified as well as the operator name.

-
- **Refresh**—This button can be used to refresh the window with new transactions as they happen. As cardholders generate events, new information is available.
 - **Parent**—To view the parent component of a selected component. For more information, see *"Basic Functions" on page 33*.
 - **Print**—Use this button to print an exact copy of the window. For more information, see *"Basic Functions" on page 33*.

Card Access Groups Definition

Pre-programmed card access groups allow quick selection of access levels for various sites of the system. This card access group can be recalled during card programming instead of re-entering the access levels for each site.

It is only the card access group information that is associated with the card. Therefore, you can modify the card access group information without modifying the card access information.



NOTE: When importing cards, the **Card access group** may be used to assign an access level to the cards.

- 1 From the card definition window, click the access group icon.

Site	Access level
Accounting	None
Administration	None
Security Office	None
Office	None

- 2 To modify an existing card access group, select it from the **Card access group** drop-down list. To create a new group, click on the **New** button and enter the group name in the language section. The **Site** column displays the site associated with a card access group.
- 3 From the **Access level** drop-down list, select the access level that will determine the access to the doors of the selected site.



Access Levels Definition

Access levels determine where and when the card will be valid. Pre-programmed card access groups allow quick selection of access levels for various sites. A total of 248 access levels can be programmed per site.

In order to assign an access level to a card, you have to:

- Create schedules that will correspond to the time the user has access to the desired doors
- Assign the created schedule to the desired doors (in the Access level definition menu)
- Assign the access level to a card.



NOTE: The default access level is **Always valid, all doors**: cardholders assigned this default access level have access to all doors at any time. To restrict access to certain doors and at a certain time, you have to create a specific access level.

- 1 From the **Users** tab, select the **Access level** icon. The Access level window appears.

Door	Schedule
([01.01] 01 - 01 - Sitio 1	Always valid
([01.02] 02 - 01 - Site 1	Always valid

- 2 From the Access level drop-down list, click on **New**, then assign a meaningful name to the access level you are creating.



NOTE: Components that are displayed in the **Doors** and **Schedule** columns have to be pre-defined for selection. To define **Doors**: **Devices** > **Sites** > **Doors**. To define **Schedules**: **Definition** > **Schedules**.

- 3 From the **Doors** list, select the doors to which the cardholder has access.
- 4 From the **Schedule** column, select the schedule during which the cardholder will have access to the corresponding door.

CSV Files Import and Export

The CSV Import/Export feature allows the ability to import or export card files that are saved in a CSV (Comma Separated Value) format. Importing/exporting data between two applications allows the ability for the two application to share data.

CSV files can be edited in most applications (Excel, NotePad, etc.).

You will use the CSV Import/Export feature if:

- You are upgrading from EntraPass DOS or WinPass 64 and you want to retrieve the cards created in these previous versions.
- Your company desires to import the card database information into the payroll system. Using the Import/Export feature will save a considerable amount of time in setting up the card holder database.
- Your company has a new database: instead of having to reprogram all the information already available in the card database, the system administrator could export the data contained in the card database (names, departments, card numbers, etc.) into a CSV file that can be imported into the target database.



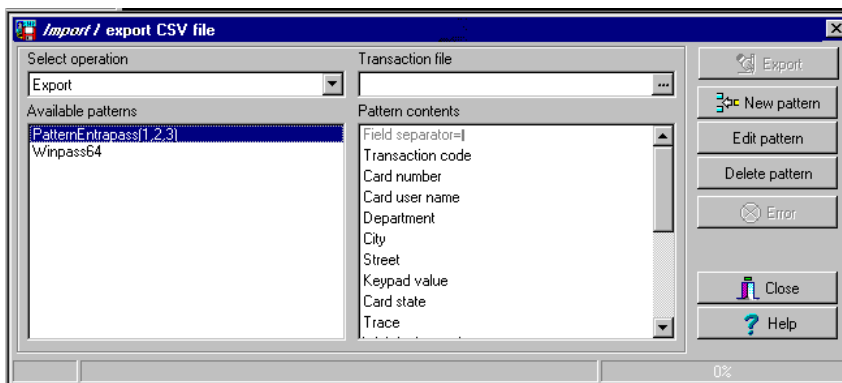
NOTE: The CSV Import/Export feature imposes a number of rules: each field contains a specific value format that has to be respected. For example, the card state field will only accept the following values (0=valid, 1=invalid, 2=stolen/lost).

To Import/Export card information, you may use Kantech pre-defined patterns or you may create your custom patterns.

Using a Predefined Pattern

Two patterns are available: the EntraPass (1,2,3) and the WinPass 64 model. You may use the template “as is” or you may edit it.

- 1 From the Users menu, select the **Import/Export CSV** button.



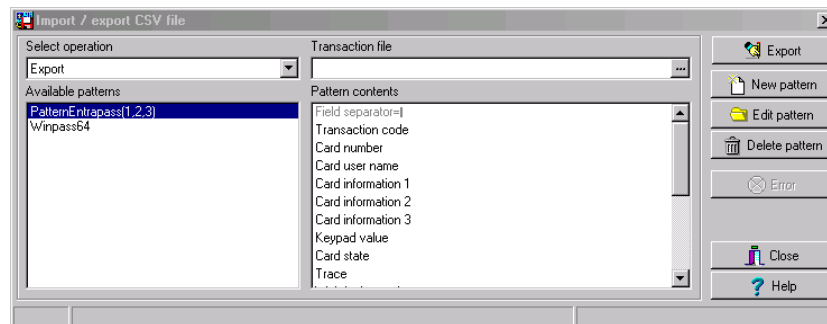
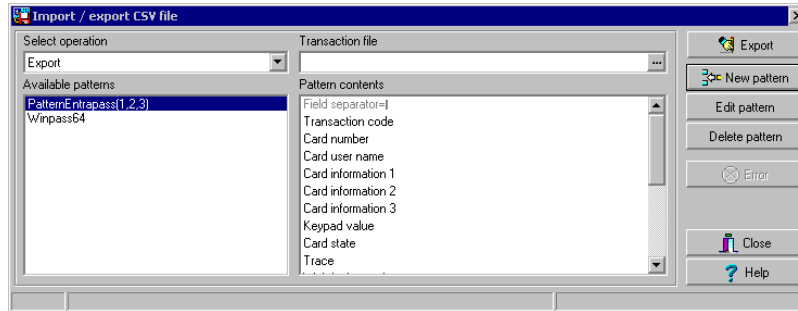
- 2 From the **Select operation** drop-down list, select either **Import** or **Export**.
- 3 In the **Available Patterns** pane, select the pattern you wish to use. This depends on the software you are upgrading from.
- 4 Use the **Edit** button if you want to edit the pattern.



Creating a New Import/Export Pattern

This menu lets you create your own import/export mask that will be used to import or export CSV files.

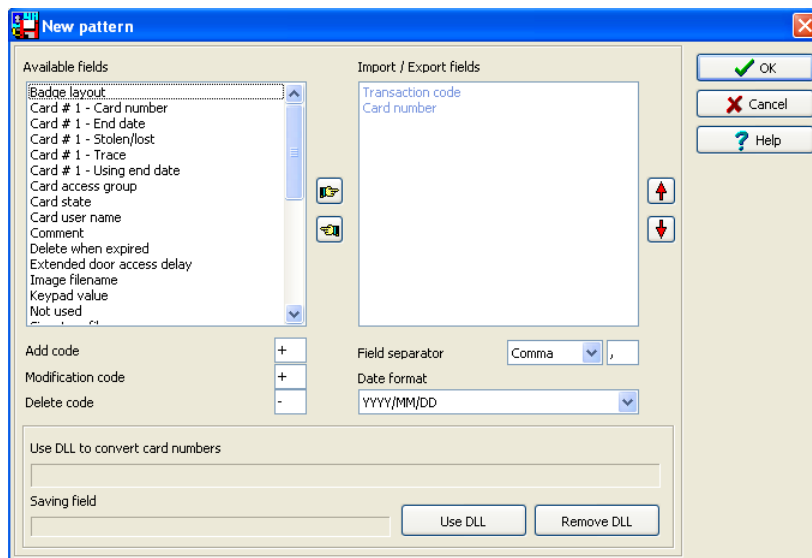
- 1 From the **Users** menu, select **Import/Export CSV File** icon. The system displays the Import / Export CSV file window.



- 2 From the Import/Export CSV file window, click **New Pattern**. The New pattern window displays a list of all the fields that are available in the Entrapass card databases. They contain specific value



formats that have to be respected. For example, the card state field will only accept the following values (0=valid, 1=invalid, 2=stolen/lost).



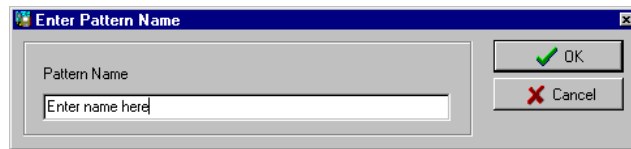
- 3 Using the **Hand** buttons, select the fields you wish to include in your pattern. The **Transaction code** and the **Card number** fields are displayed by default. Once the fields are selected, you can use the red **Up/down** red arrows to organize information (this will indicate how information will be arranged in the CSV file).
- 4 Specify the **Add code** and **Modification code**. These codes are used by the system to identify, when importing a file, which card has to be modified or added to the card database. Default add code is “+” and default modification code is “+”.
- 5 Select the **Delete code**. This code is used by the system to identify, when importing a file, which card has to be removed from the card database. Default delete code is “-”.
- 6 Select the **Field separator**. This code will be used to separate the selected fields when importing or exporting data. Usually a comma (,) is selected. Keep this in mind when adding users’ last names and first names separated by a commas.
- 7 Select the **Date format**. The date will be exported or imported according to the specified format. The most commonly used format is YYYY/MM/DD.



NOTE: The **Use DLL** feature allows you to enable a program that will convert specific card numbers. You may use the **Remove DLL** when you do not wish to enable the program that converts card numbers.



- Click **OK** to exit the pattern window and to specify the new pattern name.

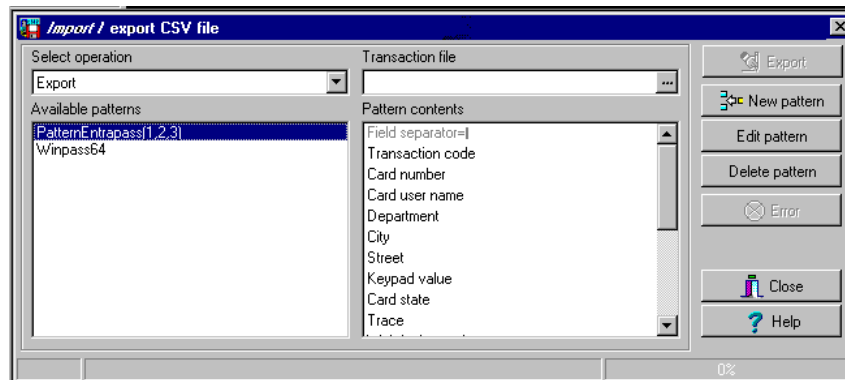


- Enter the pattern name, then click **OK**. The system automatically returns to the Export/Import CSV file window. The pattern you have just created is displayed in the **Available patterns** list.
- If you want to add or remove fields from your pattern, double-click the new pattern to edit and make the necessary modifications. Now you can import or export your information using the new pattern you have just created.

Exporting Cards

Your organization may need to export the card database data into another application. You may use a predefined template or create a custom template.

- From the **Users** tab, select the **Import/Export CSV File** button. The system displays the Import / Export CSV file window.



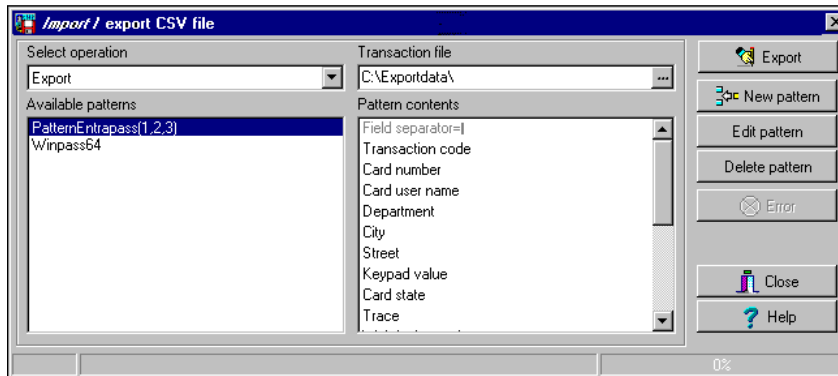
- From the **Select operation** drop-down list, select **Export**.
- From the **Available patterns** list (left-hand pane), select the pattern you want to use when exporting cards. If necessary, you may edit the pattern so that it matches the target application pattern, else, you may create a new one. (For more information on how to create a pattern, see *"Creating a New Import/Export Pattern"* on page 197).



- From the **Transaction file**, select the folder in which EntraPass will save the card database content. You can open the CSV file in Excel, NotePad, etc.



- Once you have selected/created an export folder, click **OK** to return to the Import / Export CSV file window.





- 6 Click the **Export** button; it is enabled once the transaction file is selected. The system displays a window allowing you to filter the cards you want to export.



NOTE: For cards to be included in your file, they must match all the selected filters, if one or more filters are not matched, the card will not be included.

- 7 In the Export Card's filter window, specify the cards you want to export. Once you have made all your selections, click the **Export** button. The Import / Export CSV file window appears.

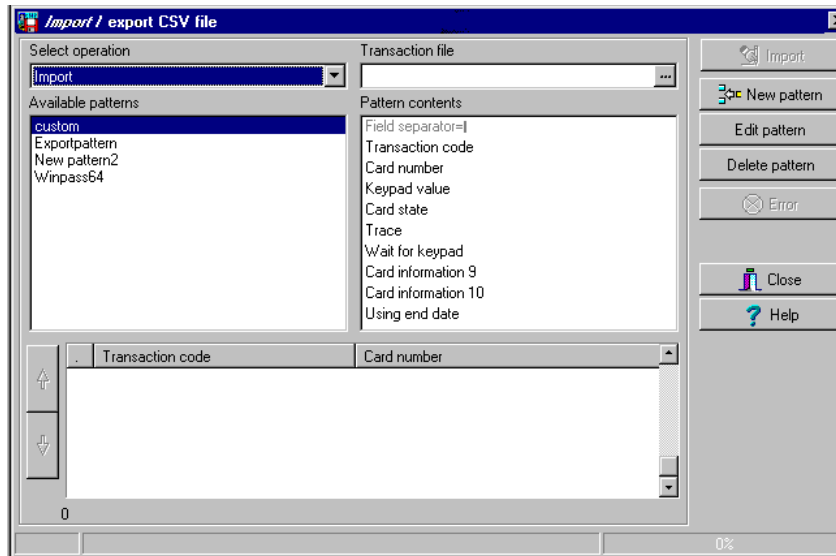


NOTE: The **Transaction file** field shows the target file name and location. By default, the export file is saved in the specified folder (*Exportdata*, in this example). The status bar (lower part of the window), shows the number of imported cards (1, in this example). The default name is *YYYYMMDD.csv*. You can open the target file with *NotePad* for instance.

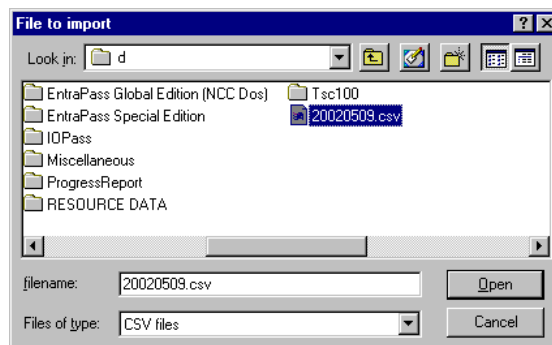


Importing Cards

- 1 From the **Users** menu, select the **Import/Export CSV File** icon. The Import / Export CSV file dialog will display on screen.

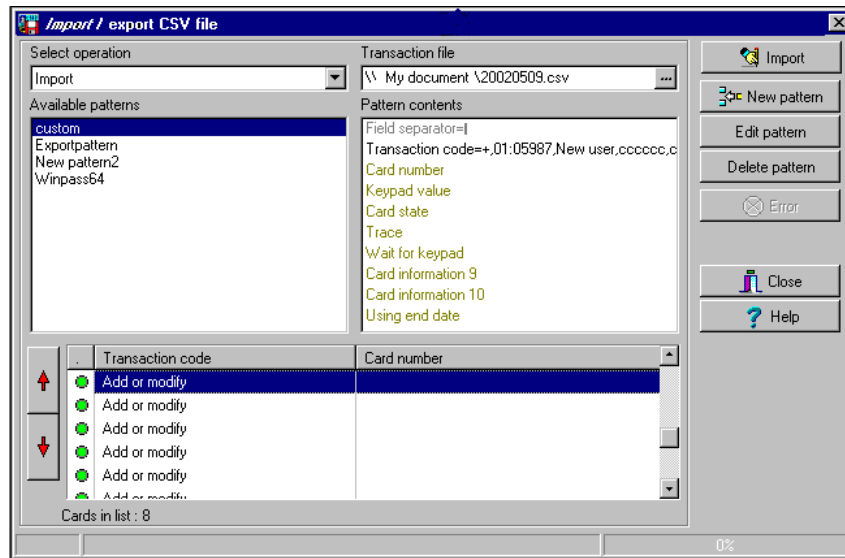


- 2 In the **Select Operation** drop-down list, select Import.
- 3 Click the **Available patterns** button to select the pattern that will be used to import the cards information (for more information on how to create a pattern, see *"Creating a New Import/Export Pattern" on page 197*).
- 4 From the **Transaction file** pull-down menu, browse your hard drive to the CSV file that contains the data to import into the card database.





- 5 Once the file has been selected, click **Open**. You will return to the Import / export CSV file window.



- 6 If no errors are present (or once you have corrected errors), click **Import** to complete the operation.



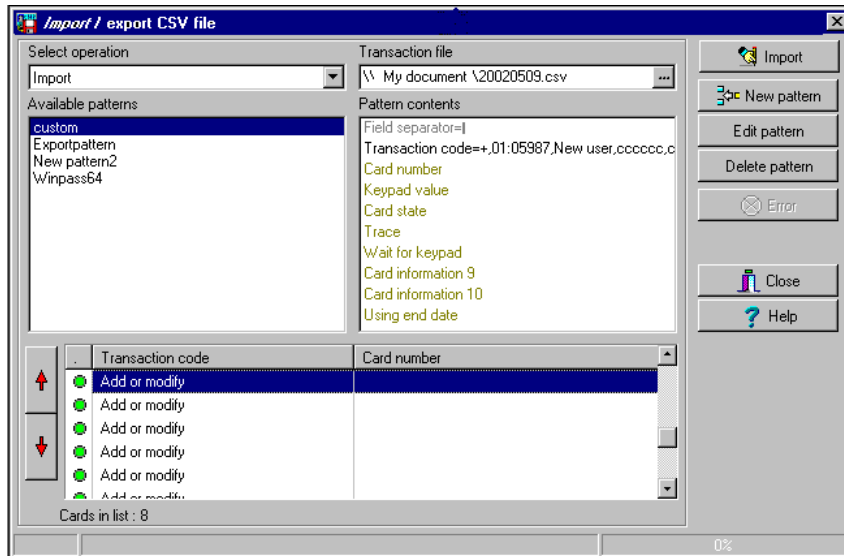
NOTE: The system scans the file to be imported; then it displays the results using a color code. Each entry is identified by a color flag. A yellow or red flag identifies an entry in error. Errors are frequently caused by the patterns. You have to select another pattern or edit the pattern you are using so that the pattern entries have to match the source file entries. There may be errors also even if the transaction code is identified by a green flag.

Correcting Import/Export Errors

The CSV Import/Export feature imposes a number of rules: each field contains a specific value format that has to be respected. For example, the card state field will only accept the following values (0=valid, 1=invalid, 2=stolen/lost). The pattern used has to match the pattern used by the source file.

The present section will assist you in correcting import/export errors.

- 1 Click the **Import or Export** button to start the transaction (the following example illustrates a case of importing CSV data). The lower part of the window displays the number of cards in the list.



NOTE: Although entries in the **Transaction code** column are identified with a green flag, the **Card number** column is empty. This indicates problems in the pattern conversion.

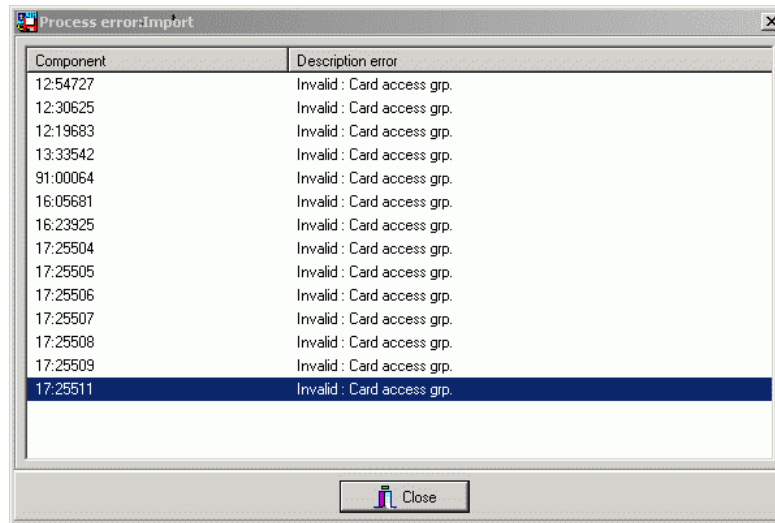
- 2 Click the **Import** button.



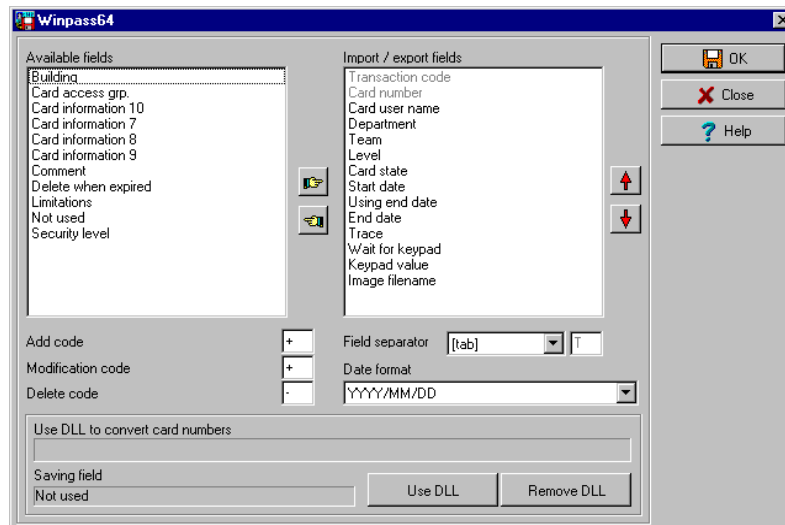
NOTE: The **Error** button is enabled because the system encountered problems during the import transaction.



- 3 You may click the **Error** button to display information about the error. The Process error window shows that the pattern used is invalid.

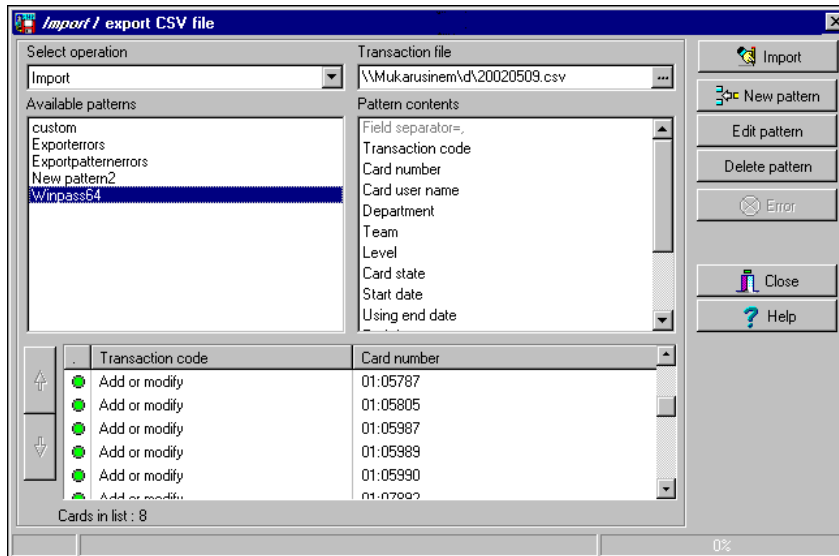


- 4 Click the **Close** button to go back to the Import Export window.
- 5 In the Import/Export CSV window, double-click the pattern you have used for the Import transaction (Custom, in the example above).





- From the **Field separator** drop-down list, select **Comma** as the field separator, then click **OK**. Data in the **Card number** field indicates that the import transaction will be successful.



Chapter 8 • Groups

It is useful to create groups so that operators can perform modifications on a group of components or other system functions.



NOTE: *Each system component has to be defined before it can be included in a group.*

You can create:

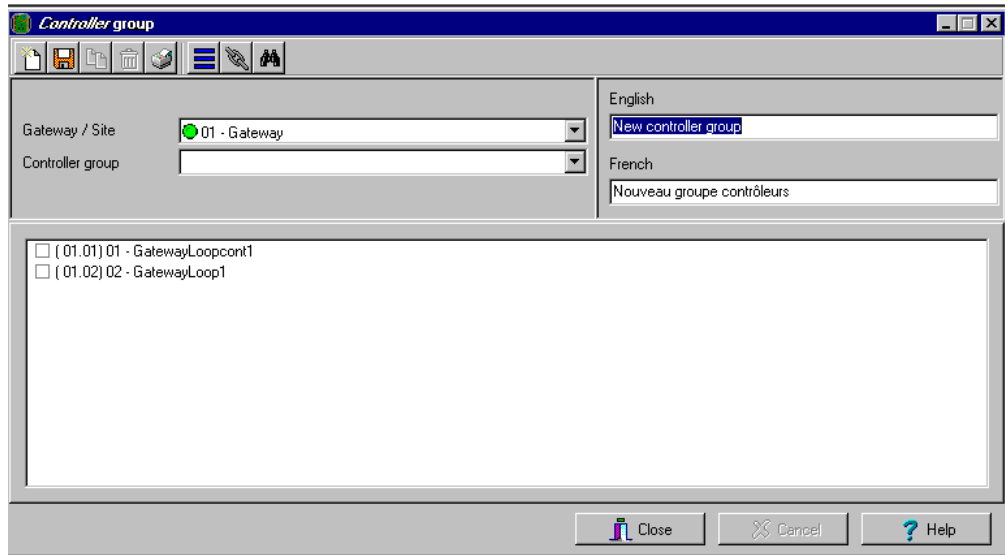
- Controller groups
- Door groups
- Relay groups
- Input groups,
- Access level groups
- Floor groups



Controller Group Creation

The Controller group menu is used to group a number of controllers of the same site. The controller group can later be used to perform manual operations on controllers, for instance (i.e.: reload).

- 1 From the Groups window, select the **Controller** icon.



- 2 Select the **View hierarchy** button to display all the sites defined in the system.
- 3 From the **Gateway/Site** drop-down list, select the site or gateway from which you want to group controllers.
- 4 To create a new group of controllers, click the **New** icon. To modify an existing group, select one from the **Controller group** drop-down list, then enter the necessary information in the language section.
- 5 From the list of controllers connected to the selected site, check the controllers that are to be assigned to the group.



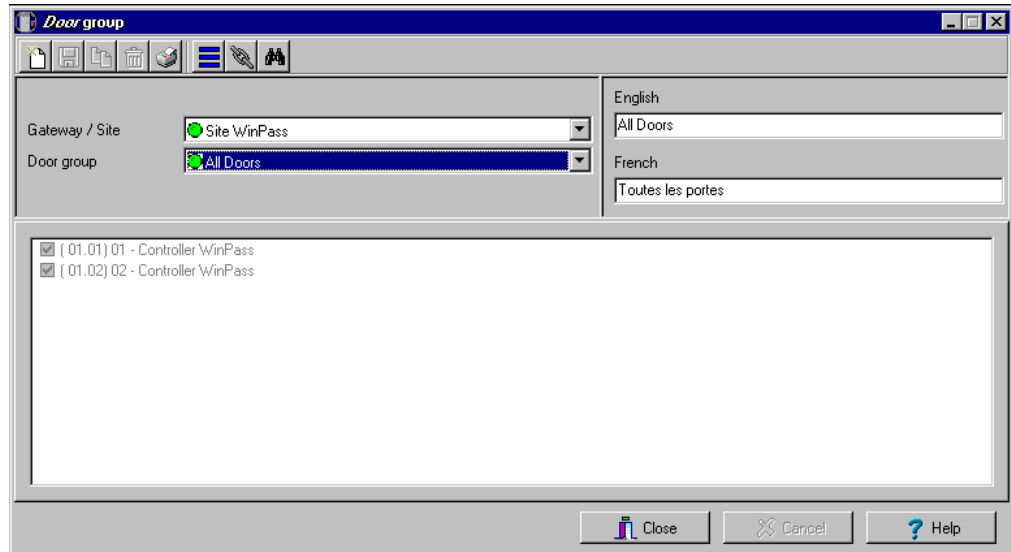
NOTE: For more information on controllers, see "Controllers Configuration" on page 61



Door Group Creation

The Door group menu is used to group doors of a specific site. The door group can later be used to carry out manual operations such as unlocking a group of doors.

- 1 From the Groups window, select the **Door** icon.



- 2 Select the **View hierarchy** button to display all the sites defined in the system.
- 3 From the **Gateway/Site** drop-down list, select the site or gateway from which you want to group doors.
- 4 From the **Door Group** drop-down list, select a door group you want to modify or click the **New** icon to create a new group, then enter the necessary information.
- 5 From the **Door list**, select the doors that must be assigned to the group.



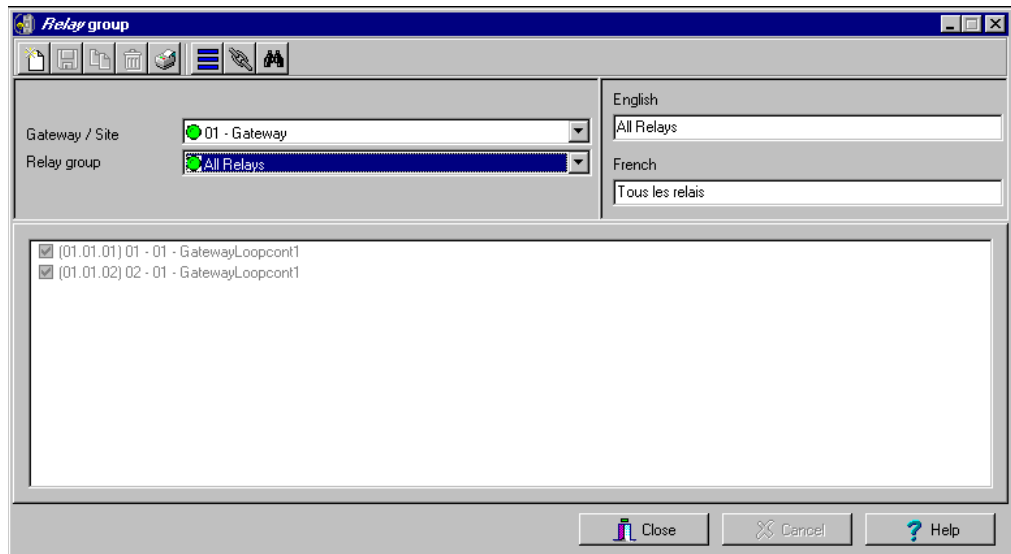
NOTE: For more information on doors, see "Doors Configuration" on page 88.



Relay Group Creation

The Relay group menu is used to group relays of a specific site. This relay group can later be used to carry out manual operations such as temporarily activating relays.

- 1 From the Groups window, select the **Relay** icon.



- 2 Select the **View hierarchy** button to display all the sites defined in the system.
- 3 From the **Gateway/Site** drop-down list, select the site or gateway from which you want to group relays.
- 4 From the **Relay group** drop-down list, select a relay group or click the **New** icon to create a new group; then enter the necessary information in the language section.
- 5 From the **Relay** list, select the relays that must be assigned to the group.



NOTE: For more information on relays, see "Relay Configuration" on page 103.

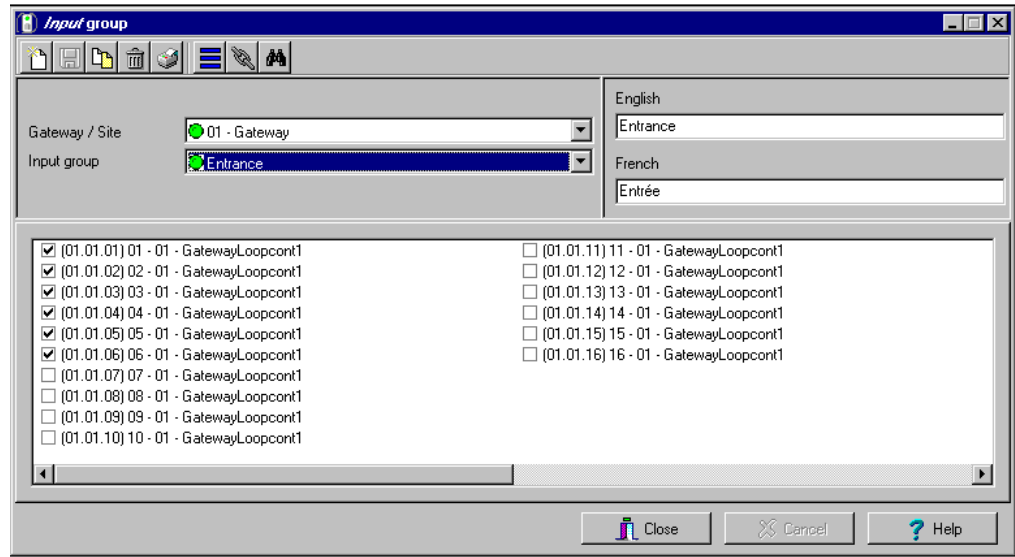


Input Group Creation

The Input group menu is used to group inputs of a controller site.

This input group can later be used to carry out manual operations such as shunt on inputs.

- 1 From the Groups window, select the Input icon.



- 2 Select the **View hierarchy** button to display all the sites defined in the system.
- 3 From the **Gateway/Site** drop-down list, select the site for which you want to group inputs.
- 4 From the **Inputs** group drop-down list, select an existing group to modify it, or click the **New** icon to create a new group; then enter the necessary information in the language section.
- 5 From the **Inputs** list, select the inputs that must be assigned to the group.

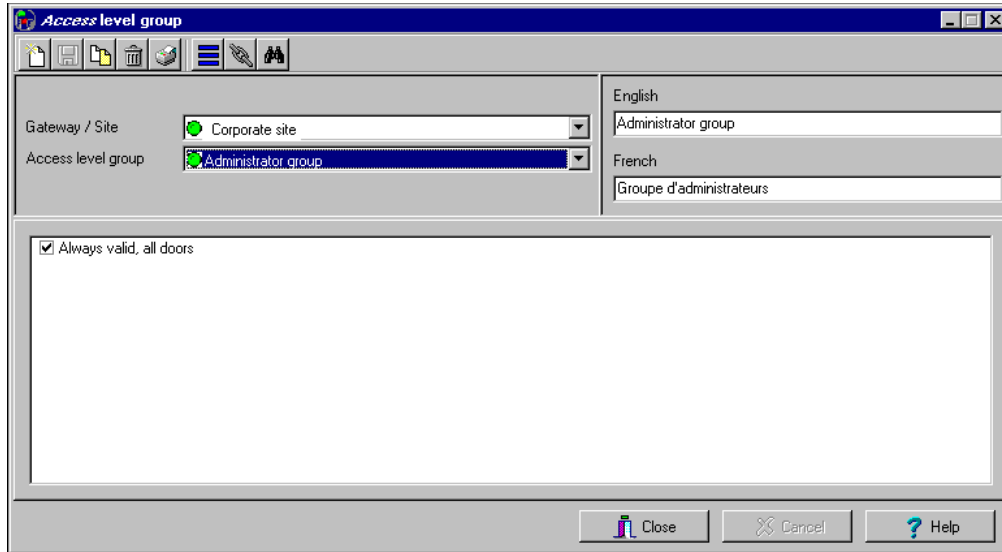


NOTE: For more information on inputs, see "Input Configuration" on page 104.

Access Level Groups Grouping

The Access level group dialog is used to group access levels of the same site.

- 1 From the Group window, select the **Access level group** icon.

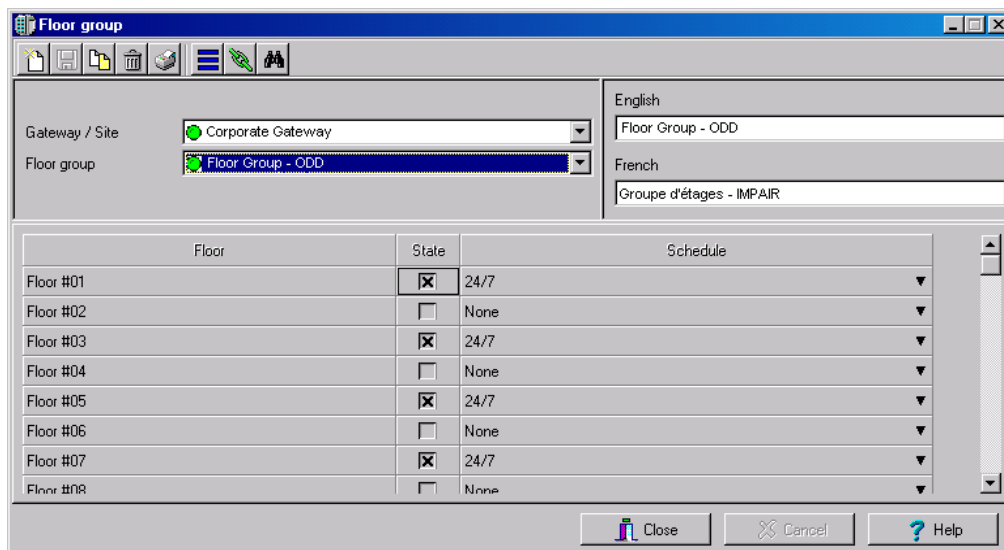


- 2 Select the **View hierarchy** button to display all the sites defined in the system.
- 3 From the **Gateway/Site** drop-down list, select the site or gateway from which you want to group access levels.
- 4 Click the **New** button to create a new group access level, and assign a name in the **English** field.
- 5 Check the boxes that correspond to the access level group.

Floor Group Creation

This menu is used to group the floors that were created in the floor definition menu. Floor groups are also used for various operations in the system such as: manual operations (unlocking schedules), access levels, etc.

- 1 From the Groups tab, select the **Floor/Elevator door** icon.



Floor	State	Schedule
Floor #01	<input checked="" type="checkbox"/>	24/7
Floor #02	<input type="checkbox"/>	None
Floor #03	<input checked="" type="checkbox"/>	24/7
Floor #04	<input type="checkbox"/>	None
Floor #05	<input checked="" type="checkbox"/>	24/7
Floor #06	<input type="checkbox"/>	None
Floor #07	<input checked="" type="checkbox"/>	24/7
Floor #08	<input type="checkbox"/>	None

- 2 Select the **View hierarchy** button to display all the sites defined in the system; then from the **Gateway/Site** drop-down list, select the site or gateway from which you want to group the floors.
- 3 From the **Floor group** drop-down list, select an existing group if you want to modify it; or click the **New** icon to create a new group. Then enter the name of the group in the language section.
- 4 From the list of defined floors that is displayed by the system, check the **State** column for the Floors you want to include in the group. Only floors that have the **State** field selected will be enabled when:
 - A manual unlock operation is done, or
 - An “input” is programmed, for example, as a push button to enable floors for visitors (**Devices > Input** definition menu > **Elevator** tab),
 - Cardholders present their card to the card reader to enable floor selection when the controller is operating in stand-alone mode (due to communication failure). Only the floors marked with an “X” are available for selection.
- 5 Only floors that have **State** selected will be enabled when:
 - A manual unlocking operation is done, or
 - An “input” is programmed, for example as a push button to enable floors for visitors (input definition menu - elevator tab),



-
- Cardholders present their card at the card reader to enable floor selection and the controller is operating in “stand-alone” (due to communication failure). Only the floors marked with an “X” will be available for selection

Chapter 9 • System Status

The **Status** menu allows system operators to view the status of various devices and components of the access system:

- The **Text** button allows operators to view, in text, the status of EntraPass applications, sites, controllers (KT-100, KT-200, or KT-300), doors, relays, inputs. The status displayed depends on the controller installed.
- The **Numerical** button allows operators to view the statistical status of all components, by gateway. For example, you can view the number of inputs in an alarm.
- The **Graphic** button allows operators to display the graphic status of a controller.
- The **Database** button provides information on the database structure. In addition, an operator can perform configuration operations or manual commands from the database window.

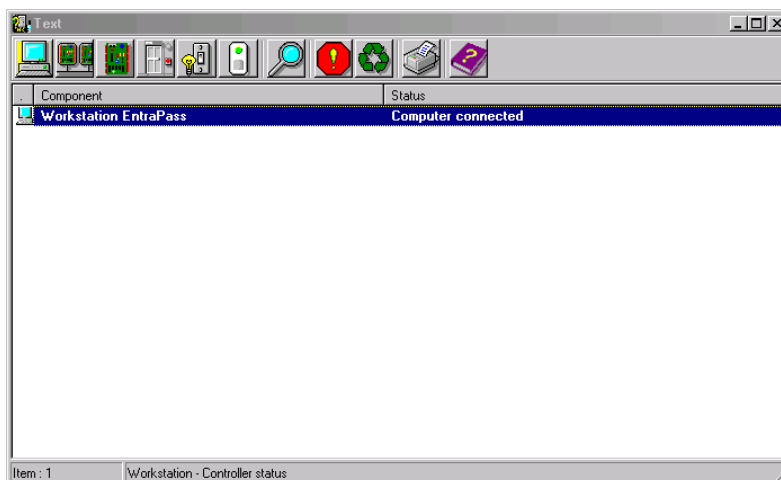
Text Status

The **Text status** allows an operator to display the status of a selected component (and sub-components) as well as all the characteristics associated with this component in a text form. This menu option applies to all the system devices: applications, sites, controllers, doors, relays and inputs. The text window contains additional buttons/icons that assist operators in their tasks:

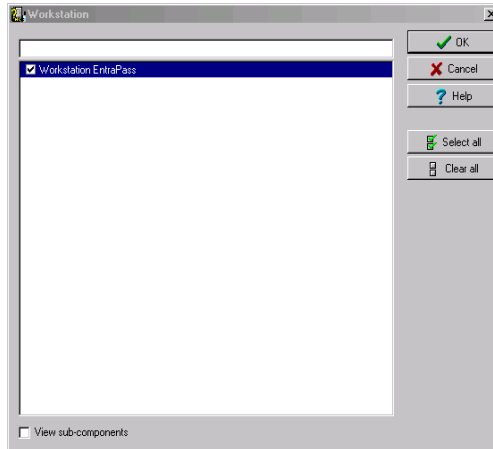
- The first seven buttons represent system devices (Workstation, Gateway, Site, Controller, Door, Input and Output).
- **Summary / Detailed list**—The magnifying glass icon is used to display components that are not in normal condition. It displays a summary list or a detailed list.
 - Summary: shows the components that are not in normal condition
 - Detail: shows all the components in any condition.
- **Stop display**—This button is used to stop the display when the information is taking too much time. It cancels or interrupts the process.
- **Refresh**—Refreshes the status of the selected components.
- **Print**—Use this button to print the displayed status. You can preview your report before printing it.

Displaying a Component Status

- 1 From the **Status** tab, select the **Text Status** button. The Text window appears.



- In the Text window, select the icon of the component for which you want to view the status. If you select the **Workstation** icon, the system displays the list of the EntraPass Applications defined in the system.



- You can check the EntraPass application you want to display the status or enter a few characters of the component name (field at the top) for the system to searched in the database. For example, you can enter “Sec” for Security Office. The system will highlight the first name containing the entered characters. You may also click the **Select all** button to select all the EntraPass applications; or select specific components by clicking in the checkboxes next to each component name. The **Clear all** button removes the check marks from the selected components. Click **Cancel** to return to the previous window without any selections or changes.
- You may check the **View sub-components** box (lower part of the window) to display detailed information on the sub-components linked to the selected component. For example, if you selected a controller, all its components (doors, relays, inputs) with appropriate status will be displayed on the window if this option was checked. For more focus in one window, filter doors, relays or inputs by site.
- Click **OK** to return to the previous window and apply your selections.

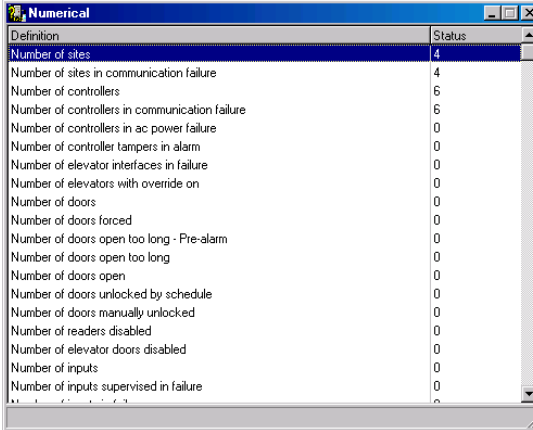


NOTE: The **Magnifying glass** button is used to display components that are not in normal condition. When it is in a “summary” position, only components that are not in normal condition will be displayed; the “detailed” position, displays a full status of all components.

Numerical Status

This menu allows an operator to view the number of components in a “not normal” state for a selected gateway.

- 1 In the **Status** tab, select the **Numerical status** button. The Numerical window appears.



Definition	Status
Number of sites	4
Number of sites in communication failure	4
Number of controllers	6
Number of controllers in communication failure	6
Number of controllers in ac power failure	0
Number of controller tampers in alarm	0
Number of elevator interfaces in failure	0
Number of elevators with override on	0
Number of doors	0
Number of doors forced	0
Number of doors open too long - Pre-alarm	0
Number of doors open too long	0
Number of doors open	0
Number of doors unlocked by schedule	0
Number of doors manually unlocked	0
Number of readers disabled	0
Number of elevator doors disabled	0
Number of inputs	0
Number of inputs supervised in failure	0

- 2 The window displays the number of cards for that gateway, the number of inputs in alarm, the number of relays manually activated, the number of doors forced open, etc. This can be very useful if you need to find out how many cards are defined.

Graphic Status

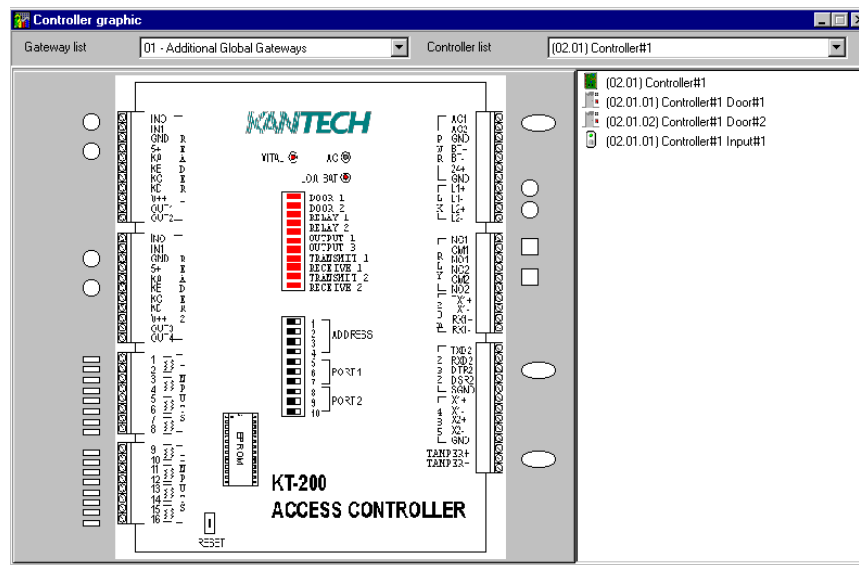
This feature is used to display a graphical status of a door controller, including the status of all its components (outputs, inputs, power supply status, communication status, etc.) represented by colored shapes (circle, square, etc.).

- An ellipse shape represents the controller
- A circle represents a door
- A square represents a relay
- A rectangle represents an input. Rectangles may be horizontal (KT-200 and KT-300) or vertical (KT-100).

Viewing a Controller Status

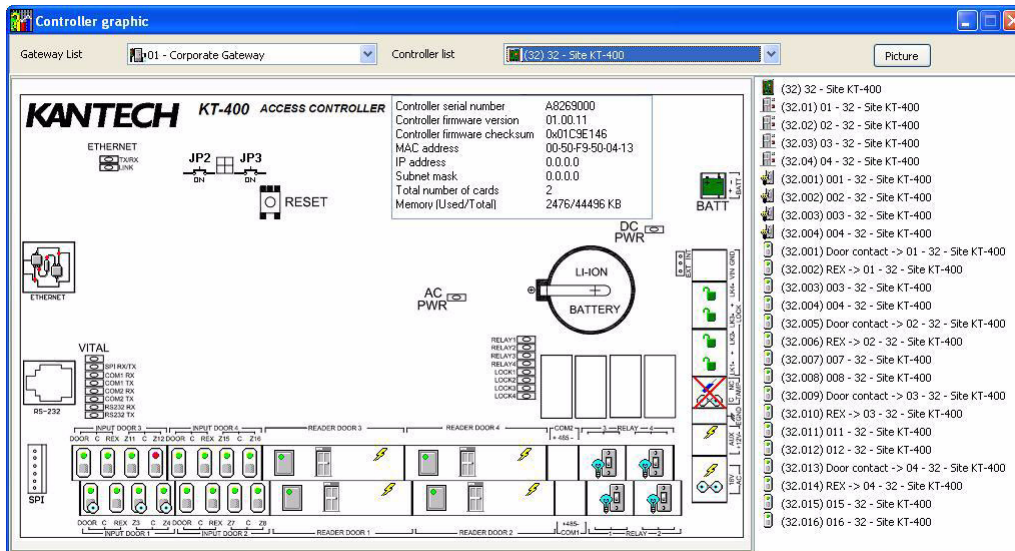
- 1 From the **Gateway** drop-down list, select the gateway on which the controller to display is located. You may select “All gateways” to display all the controllers in the list.
- 2 From the **Controller** drop-down list, select the controller for which you want to display the status.

Example with a KT-200 Controller





Example with a KT-400 Controller



NOTE: The displayed graphic depends on the type of the controller selected.

- 3 To find out which items are represented by a colored shape, move the mouse over a colored shape. The item highlighted on the right-hand (in the list) identifies the component.
- 4 Select a controller from the **Controller list** drop-down list (right side of the window), double-click the item on which status is required.
 - **Red**—The component is “Supervised” and “in a trouble state”.
 - **Green**—The component is “Supervised” and “in normal condition”.
 - **Yellow**—The component is “Not Supervised” and “in a trouble state”.
 - **Gray**—The component is “Not Supervised” and “in normal condition”.
 - **Blue**—The relay is activated (by an event or an operator).

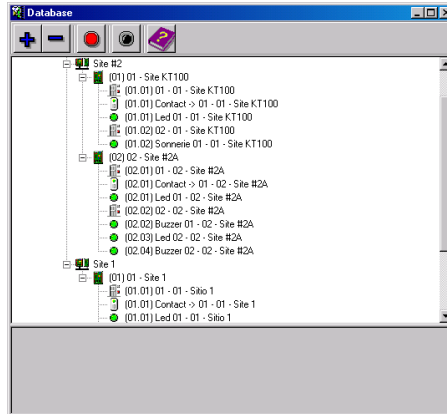


NOTE: If there's more than one controller site per gateway, the numbers between parentheses (xx) indicates the controller number and the following numbers (xx) indicate the component number.

Database Status

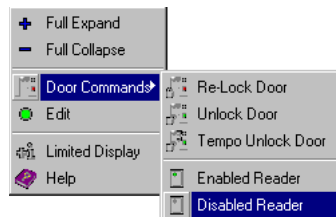
This window displays the status of the components within the database while browsing the database structure. The system displays all applications (connected or not), the gateway, controller sites, etc. You can also perform manual operations directly from the window and edit components in order to modify their configuration.

- 1 From the Status window, select the **Database** icon. The Database window appears.



NOTE: The icon identifies the type of component.

- 2 In the Database window, select the application you want to view the database. The lower part of the window displays the actual status of the selected component as well as its full name.
- 3 Select a component to modify its definition directly from the Database window. For example, if you have selected a door, right-click the door to display a shortcut menu.
- 4 Select a command in the cascading sub-menu; select a menu option.



NOTE: The command list varies according to the selected component.

- 5 Make your modifications to return to the Database status window. The **Right-click** shortcut menu offers the following options:
 - **Full expand**—This feature allows you to fully expand the tree status and view all components. Only applications that are connected to the server will display a “+” sign.
 - **Full collapse**—This feature allows you to fully collapse the tree status and hide all components of the root component.



- **Edit**—When you select an assigned component (i.e.: input) and click edit, the system will edit the definition window so you can modify its definition and when finished, return to the window you edited the component from.
- **Limited display / No limited display**—When you click on a physical component, the bottom part of the window displays its status.
- By selecting **Limited display**, the system will erase the previous status and display the status of the next selected component.



NOTE: *The icons on the left side components indicate the component type.*

Chapter 10 • System

Use the **System** menu to define parameters for systems operators, security levels, event parameters, instructions, and message filters. This menu allows you also to view the EntraPass database structure.

You will define system parameters as follows:

- **Operator:** user name, login name, password settings for EntraPass operators
- **Security level:** use this menu to grant or deny access permission on system logical components (desktop display, card fields, etc.) for an operator's day to day operations
- **Workspace:** use this menu to grant or deny operators access to view and configure the system physical components (gateways, sites, relays, etc.)
- **Event parameter:** use this menu to define priority, color, schedule (display, printing schedule, acknowledgement) for system events
- **Instruction:** use this menu to create instructions for alarm messages
- **Message filter:** Use this menu to direct event messages from a specific EntraPass application to another EntraPass application and to define sort criteria for messages that are sent to the Filtered Message desktop.
- **Database structure:** Use this menu to display EntraPass physical and logical components and to edit or sort system components.

Operators Definition

Use the **Operator** menu to define system operators and to determine their security level and privileges. An operator is responsible for issuing cards, carrying out manual operations on system components, requesting reports, arming the system, etc.

For security reasons, each operator accessing the system database should have his/her profile defined to ensure that all the actions performed in the system will be traceable. You need to create at least one operator account or modify the pre-created accounts in order for the operator to use and operate EntraPass and to receive event messages.

There are three default operators created in the system. These are associated with three levels of access rights:

- Installer (login name and password are kantech): Full access to view, modify, delete, print components.
- Administrator (the login Kantech1 and the password kantech): Medium access with limited access to system menus.
- Guard (login Kantech2 and password are kantech): Limited access to system menus.



NOTE: You can define operators using the default operators or you can create new operators. For details about operators' security levels, see "Security Level Definition" on page 227.

Creating or Editing an Operator

- 1 From the **System** tab, select the **Operator** icon to open the Operator window.



NOTE: The upper right-hand corner shows the last time the operator logged on.

- 2 Enter the operator **Name**. The operator name is composed of a maximum of 40 alphanumeric characters (including spaces). This is the name that will be displayed in the desktop message lists and the reports.
- 3 Enter the operator's **e-mail** (optional).



- 4 Enter the operator **Login name**. This is a descriptive name composed of 6 to 20 alphanumeric characters (including spaces).



NOTE: On login, operators must enter their login name followed by their password in order for the system to validate their access. The login name is displayed in the events' details when operator events are generated (i.e. manual operation, login, logout, etc.).

- 5 In the **Password** field, enter the password that will be used to login with the login name. The password is alphanumeric and consists of a maximum of twenty characters (minimum seven characters). The password is not displayed nor printed, the system displays the password as asterisks.



NOTE: The password is **case-sensitive** - make sure that all operators are aware of this.

- 6 In the **Password Confirmation** field, enter the operator password again for confirmation using the proper case. If this password is not identical to the one entered in the password field, an error message will appear.
- 7 In the **Language** section, check the appropriate option for the display language for this operator. If you change the display language, it will be effective only when the operator logs out and logs in again. When an operator logs out and exits an application, the next operator who logs on the application will see the startup window in the language of the last operator.
- 8 In the Privileges section:
 - Select the **Auto acknowledge** option. If this option is selected, the **Manual** button is added to the Alarms desktop (see "Entrapass Desktops" on page 255). The operator can decide to manually or automatically acknowledge events. This is an operator privilege.
- 9 Click on the **Security** tab to set operator access parameters.

- 10 From the **Login Schedule** pull-down menu, select the schedule during which the operator will be allowed to login into the system. You may want to create a specific schedule for an operator (**Definition > Schedule**), and then assign the schedule to the operator.
- 11 From the **Security Level** pull-down menu, select a security level that will determine which components an operator has access to. A security level consists of menus through which an



operator can modify the database, create components, view system components and events, etc.



NOTE: It is possible to define up to 250 custom security levels; EntraPass offers 3 built-in security levels (Installer, Administrator and Guard) on configuration. The default configuration for Installer permits access to all system components. The Installer must program other security levels to limit operator access to menu commands and/or options.

12 From the **Workspace** pull-down menu, select a workspace that will determine which physical components (desktop display, card fields, etc.) the operator will be able to access for day to day operations.



NOTE: EntraPass offers 1 built-in Installer workspace when you install EntraPass for the first time.

13 Access the **Security** section to edit the security features of the currently displayed operator profile:

- **Operator disabled:** use this feature if you want to temporarily suspend or limit an operator access to the system without using an expiry date. If you select an operator and then check this box, the selected operator will not be able to run the application.
- **Change password at next login:** use this feature if you want an operator to change his/her password at next login.
- **Disable operator on bad password:** use this feature to limit the number of retries on bad password. For example, if you set this number to three (3), the operator will be disabled after three errors when entering his/her password.
- **Days before password is reset:** this feature allows to manage operators' passwords. At the end of the number of the days specified in this field, the operator will be prompted to change his/her password.
- **Use expiration date:** this feature allows you also to manage operators' password. When this feature is checked, you have to select an expiration date (Operator expiration date).
- **Operator expiration date:** used with the **Use expiration date feature**, the **Operator expiration date** allows you to disable an operator's access at a specified date.



NOTE: Changes to the currently displayed profile will take effect at the next login attempt.

Security Level Definition

Security level refers to the permissions granted to an operator to access EntraPass logical components (desktops, card information, etc.), as well as to perform some actions on those components.



NOTE: *You have to program the appropriate security levels if you want to limit operator access to commands and/or options of the system menu.*

There are three operators and security levels already configured in EntraPass. It is possible to customize an operator security level; the system allows you to create up to 250 security levels. Each operator has a separate login name, password and a corresponding security level. The password is case-sensitive. These are: Installer, Administrator and Guard.

- **Installer:**
 - **Login name and password:** kantech
 - **Security level:** By default, a user defined as Installer has full access to all the system menus. He/she can read and edit system components and has unrestricted access to the system.
- **Administrator:**
 - **Login name:** kantech1; password: kantech
 - **Security level:** Administrator. By default, a user defined as Administrator has limited access to a number of the system menus.
- **Guard:**
 - **Login name:** kantech2; password: kantech
 - **Security level:** Guard. By default, a user defined as Guard has limited access to the system menu.

Creating/Modifying an Operator Security Level

Assigning security levels is critical to the system. In fact, if a security level is given full access to a system menu, operators who are assigned this security level will be able to modify system parameters. Make sure that each operator is given the security level corresponding to his/her tasks. Items in the Security Level window are presented in a root tree with all components available for selection. This structure makes it possible to target specific components when granting security level for manual operations.

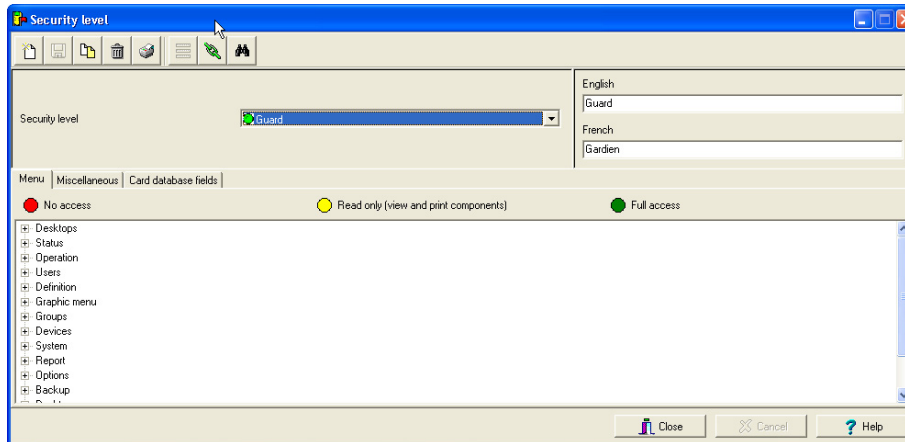
Each security level is identified by a color: full access (green), read-only (yellow) and no access (red). The security manager or an operator with appropriate permissions can easily change or assign a component to a lower level security level by double clicking an item until it changes to the desired color code.



NOTE: *Operators will not be able to see items for which they have not been given access.*



- 1 Under the **System** tab, select the **Security level** icon. The Security level window appears with the **Menu** tab enabled.



- 2 From the drop-down list, select the **Security level** you want to modify.
 - To create a new security level, click the **New** button and enter the necessary information in the language section.
- 3 Under the **Menu** tab, double-click an item until it reaches the desired status: **No access** (red), **Read-only** (yellow) or **Full access** (green).



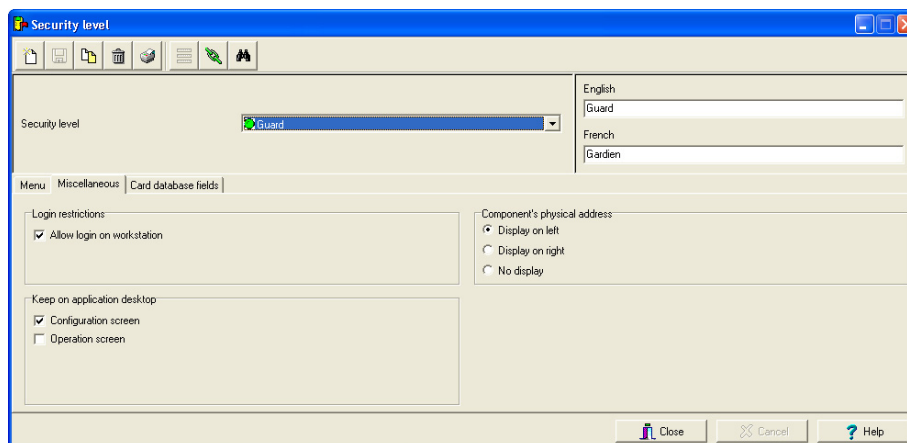
NOTE: A user with **Read-only** rights will not be able to print components in Entrapass.


Defining Login Options for an Operator

The **Miscellaneous** tab allows you to define operator login and system display options:

- Operator login options: you can allow or restrict an operator to login an Entrapass workstation.
- Active windows that can be kept on the desktop: Entrapass allows operators to keep two active windows on the desktop.
- Component display options: components can be displayed with or without their physical address. The physical address can appear on the left or right of the component name.

- 1 Select the **Miscellaneous** tab to define parameters for the security level being defined.



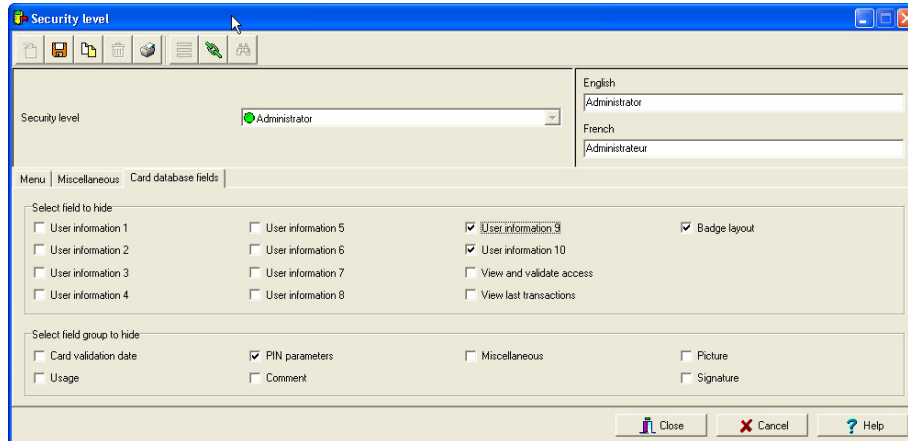
- 2 In the **Login restrictions** section, select the appropriate login options:
 - Select **Allow login on workstation** to allow the operator to login to the system.
 - 3 The **Keep on application desktop** section allows users to increase the number of active windows on the desktop. In fact, operators can open two windows at the same time. EntraPass windows are classified in two categories:
 - **Configuration screen**: this group includes all the menus that allow an operator to program the system. This group includes such menu items as: **User** menu (card, Badging, card access group, access level, **Definition** menu; **Group** menu; **Devices** menu; **System** menu; **Historical** and **Time and attendance reports**.
 - **Operation screen**: this group includes all the Operation menu items.
-  **NOTE:** These options allow operators to keep more than one window active on the desktop. They can bring to front or send to back the window they want to display, simply by pressing [ALT-F6].
- 4 In the **Components physical address** section, specify how the component's physical address will be displayed. This will also affect how components will be sorted.
 - **Display on left**—If selected, components will be sorted by their address (i.e. 01.01.01 Controller xyz).
 - **Display on right**—If selected, components will be sorted by their component name (i.e. Controller xyz 01.01.01).
 - **No display**—If selected, the address will not be displayed (i.e. Controller xyz) and components will be sorted by name.

Hiding Card Information

Entrapass offers you the ability to hide card information fields from view. For example, you can decide that a certain security level (Guard for example) can view or modify card information field. To

do so, select the security level, then under the **Card Fields** tab, check the box that corresponds to the fields you want to hide.

- 1 Select the **Card fields** tab to limit the number of card fields which are visible to the operator who is assigned this security level.



- 2 Select the fields (either individually or in groups) that will be hidden to the selected security level. In the example above, operators who will be assigned the Guard security level will not see the selected fields.

Workspace Definition

Workspaces allow System Administrators to grant or deny operators access to system physical components such as gateways, sites, relays, etc. Workspaces are defined according to the type of tasks the operators will be allowed to perform in EntraPass; creating and editing items, viewing components, printing lists or reports, etc.

Operators who are assigned a given workspace will not be able to see nor modify EntraPass components that are not selected in that workspace definition.

Workspaces can also be used by operators to discriminate the information they want to view on screen. For example, a System Administrator who has access to all components of the EntraPass system may want to view only specific components. In that case, the System Administrator can define a specific workspace for that environment and work within those parameters.



NOTE: *There is only one default Installer workspace created when you install EntraPass for the first time.*

Workspace Filtering Modes

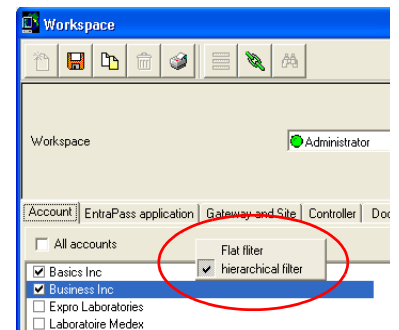
There are two ways of filtering workspace components in EntraPass:

- **Regular filter:** will display all system components you can select to create your workspace. You can navigate through all tabs and select components indiscriminately. You don't need to select a parent component (a controller for example) in order to view and select the child component (a door).
- **Hierarchical filter:** items in a list will be displayed according to the item selected in the level above. For example, when selecting a specific site (parent), the system will automatically adjust itself to display only the corresponding controllers (children). And if you select a specific controller (parent), the system will adjust itself to display only the corresponding doors (children), and so on. This option is only available under the following tabs: **Entrapass application, Gateway and Site, Controller, Door, Relay, Input and Access level.**



NOTE: *If a tab is empty, verify that you have selected components from it's parent.*

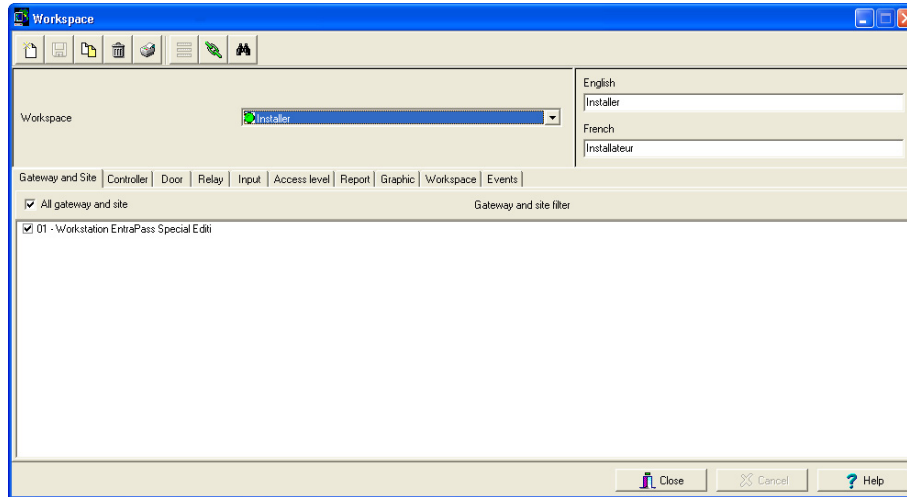
- 1 If you wish to switch from the regular mode of filtering to the hierarchical mode of filtering, or vice versa, a popup menu is available when right-clicking in the title bar of each individual tabs in the Workspace dialog. A check mark indicates which option is selected.
- 2 Once you have selected the filtering mode, it will remain activated under all tabs.





Defining Gateways and Sites

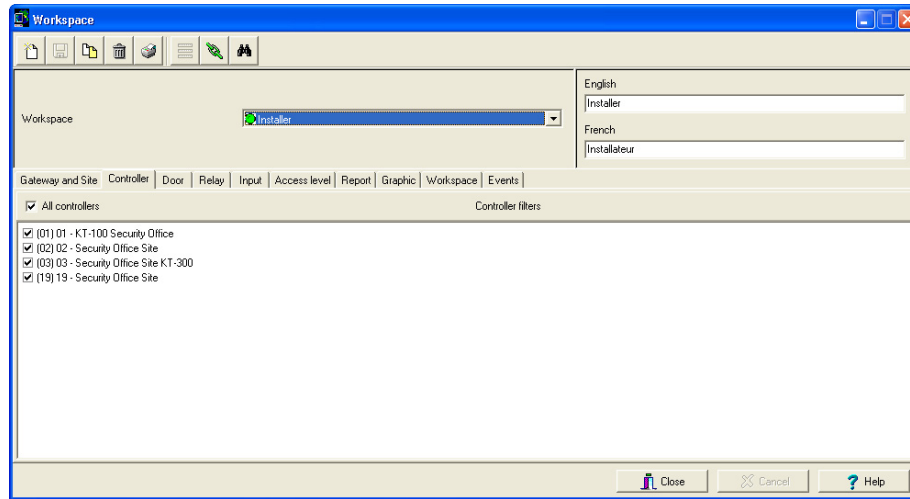
- 1 Move to the **Gateway and Site** tab to select the list of gateways and sites that will be available to an operator who is assigned the workspace.



- Select the EntraPass workstation to make it available to the operator who is assigned this workspace.
- 2 Save your modifications.

Defining Controllers

- 1 Move to the **Controller** tab to select the list of controllers that will be available to an operator who is assigned the workspace.



- Select **All controllers** if you want all the displayed controllers to be available to the operator who is assigned this workspace.
- You can also select individual controllers from the displayed list.

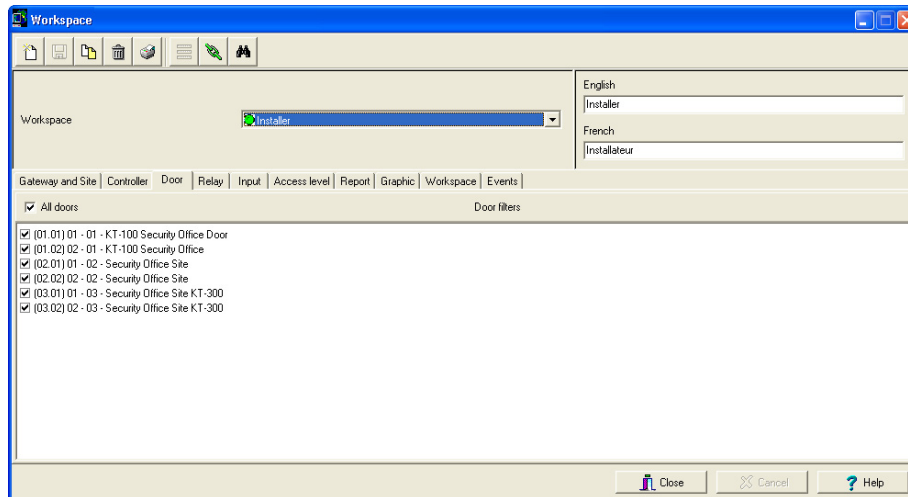
- 2 Save your modifications.



NOTE: When you select a controller, you also select all the components defined “under” or related to the controller (i.e. doors, relays, inputs, outputs). Make sure that you have also selected the gateway (**Gateway and Site** tab) for which the selected controller is defined. If the gateway is not selected, the controller will not be available even if it is selected in the list.

Defining Doors

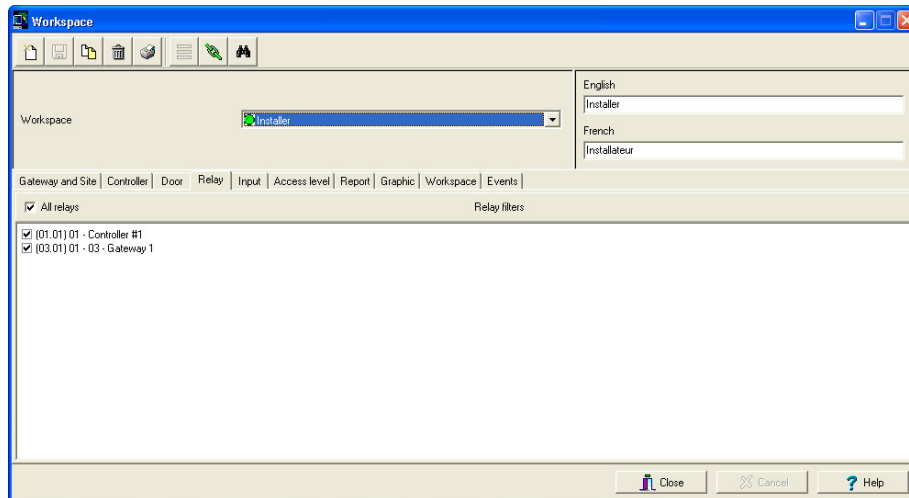
- 1 Move to the **Door** tab to select the list of doors that will be available to an operator who is assigned this workspace.



- Select **All doors** if you want all the displayed doors to be available to the operator who is assigned this workspace.
 - You can also select individual doors from the displayed list.
- 2 Save your modifications.

Defining Relays

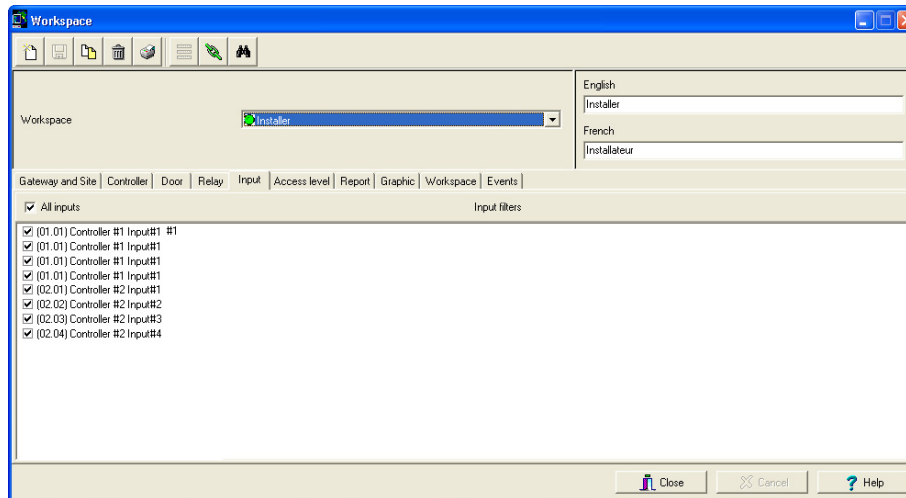
- 1 Move to the **Relay** tab to select the list of relays that will be available to an operator who is assigned the workspace.



- Select **All relays** if you want all the displayed doors to be available to the operator assigned this workspace.
 - You can also select individual relays from the displayed list.
- 2 Save your modifications.

Defining Inputs

- 1 Move to the **Input** tab to select the list of inputs that will be available to an operator who is assigned the selected workspace.

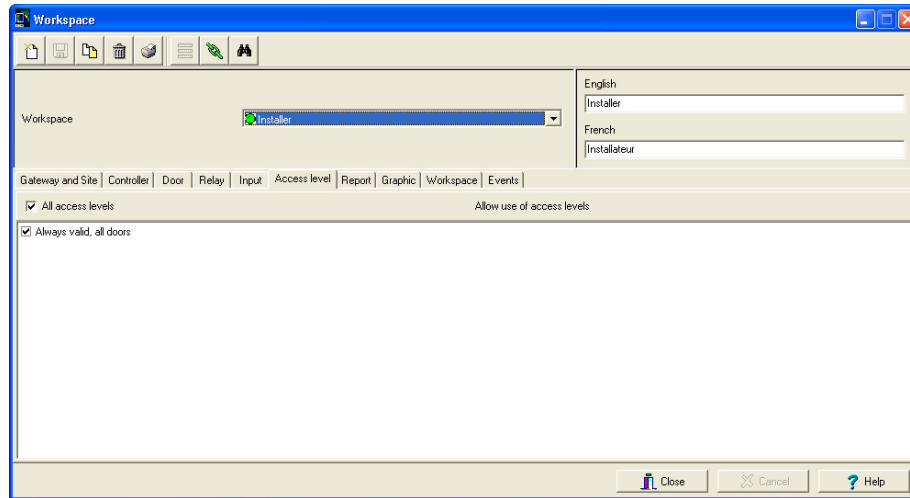


- Select **All inputs** if you want all the displayed inputs to be available to the operator assigned this workspace.
 - You can also select individual inputs from the displayed list.
- 2 Save your modifications.

Defining Access Levels

Associating specific access levels to a workspace allows you to control the access levels that an operator can define or modify. For example, a security guard may have the right to issue cards that are valid for a given door or access level only.

- 1 Move to the **Access level** tab to select the list of access levels that will be available to an operator who is assigned this workspace.



- Select **All access levels** if you want all the displayed access levels to be available to an operator who is assigned this workspace.
- You can also select individual access levels from the displayed list.

- 2 Save your modifications.



NOTE: Make sure that you have also selected the gateway for which the selected access level is defined. If the gateway is not selected, the access level will not be available even if it is selected in the list.

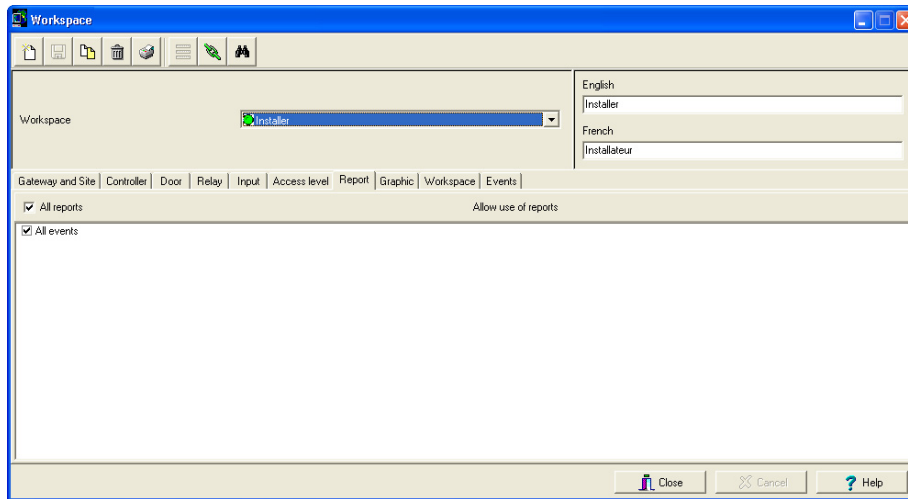
Defining Reports

This feature gives operators access to specific reports according to their workspace. For example, a System Administrator may have access to all the reports that can be generated whereas the Guards' Supervisor may only have access to all Guard Tour related reports. The reports will be generated from the **Archived Message list** on the workstation desktop. Once the reports have been assigned to workspaces, operators will only have access to reports that correspond to their workspace.

—



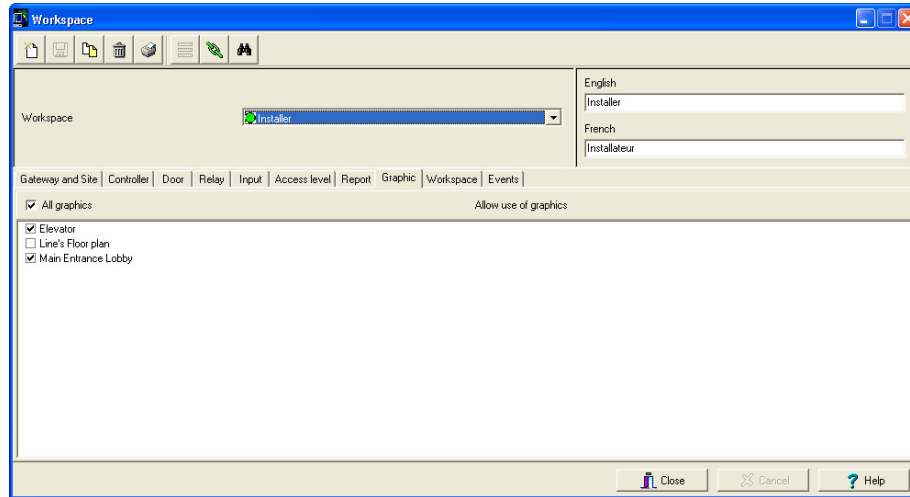
- 1 Move to the **Report** tab to select the list of reports that will be available to an operator who is assigned this workspace.



- Select **All reports** if you want all the displayed reports to be available to the operator who is assigned this workspace.
 - You can also select individual reports from the displayed list.
- 2 Save your modifications.

Defining Graphics

- 1 Move to the **Graphics** tab to select the list of graphics that will be available to an operator who is assigned the workspace.



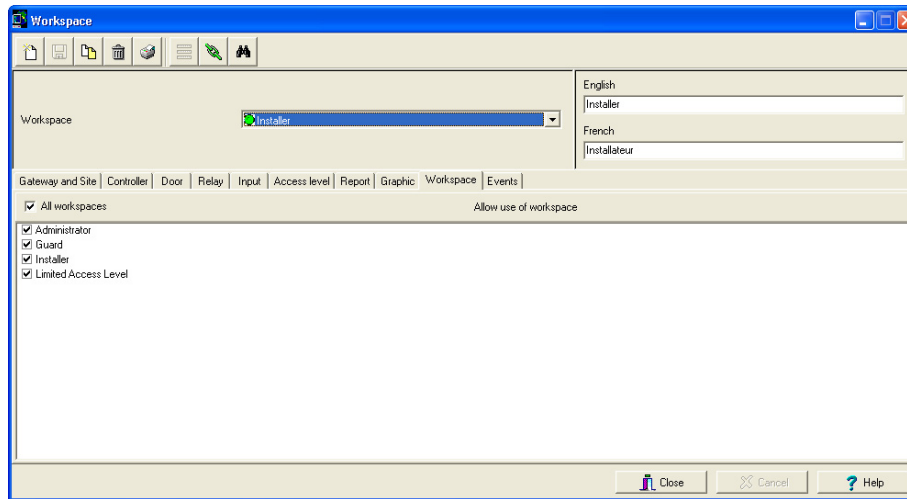
- Select **All graphics** if you want all the displayed graphics to be available to the operator assigned this workspace.
 - You can also select individual graphics from the displayed list.
- 2 Save your modifications.

Defining Workspaces

This feature gives operators access to information that pertains to specific workspaces according to other operators workspaces. For example, Guards in the system may have a workspace assigned to them according to the area they are patrolling and the type of information they can view and edit in Entrapass. The Guard's Supervisor, however, must have access the information available to all the Guards working in his department. In that case the list of workspaces for the Supervisor will contain all the Guards' workspaces defined in Entrapass.



- 1 Move to the **Workspace** tab to select the list of workspaces that will be available to an operator who is assigned the selected workspace.

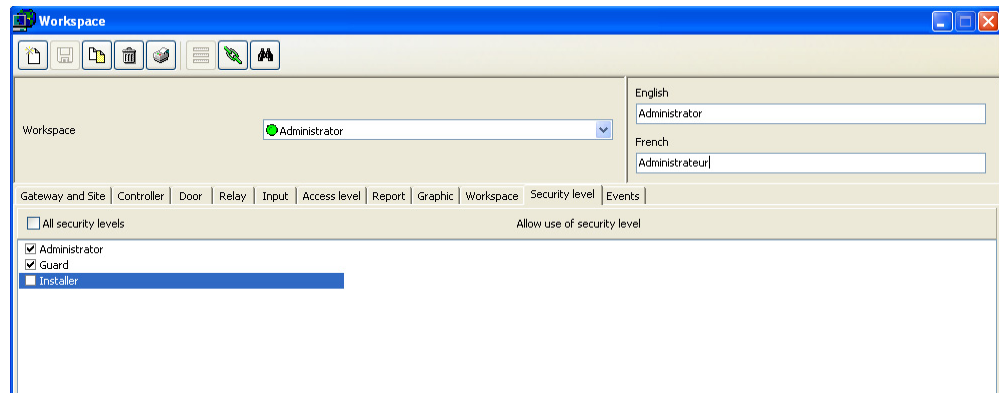


- Select **All workspaces** if you want all of them to be available to the operator who is assigned this workspace.
 - You can also select individual workspaces from the displayed list.
- 2 Save your modifications.

Specifying Security Level

This feature gives system administrators the possibility to assign specific security levels to a workspace. For example, the workspace administrator is accessible only to operators who have **Administrator** and **Guard** security levels. An operator with an **Installer** security level won't have access to this workspace. The security level selection will apply to all operators using that workspace.

- 1 Move to the **Security level** tab to select the security level(s) that you want to assign that workspace. If you must create a new security level, see "Security Level Definition" on page 227.

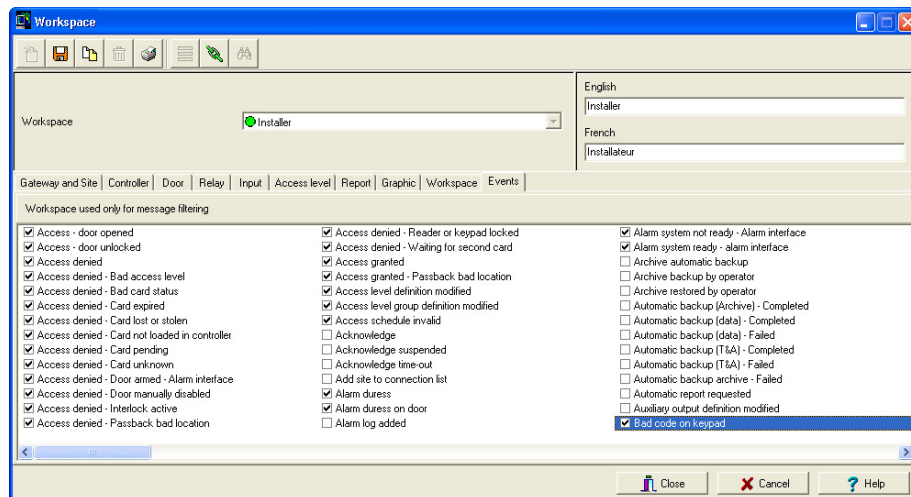


- Select **All security levels** if you want to assign them all to that workspace.
 - You can also select individual security level from the displayed list.
- 2 **Save** your modifications.

Defining Events

This feature is used to define the event messages that can be displayed to operators who are assigned the selected workspace.

- 1 Move to the **Events** tab to select the list of events that will be displayed on an operator workstation.



- Select the events you want to display for the operator who is assigned this workspace.



-
- 2 Save your modifications.

Event Parameters Definition

Defining event parameters is one of the most powerful features of the system. For each event, you can determine how it will be processed by the system. For example, you can:

- Direct events to output devices (such as Messages desktop and log printer),
- Define schedules that will allow, for example, to send alarms only at night,

There are more than 400 system events. The most common among them are:

- Access granted
- Input in alarm
- Card modified by operator, etc.

Events are associated with system components, such as doors, controllers, etc. Every event message is associated with a system component and output devices or group of devices. For example, an *Access granted event* can be defined for each individual door or by default it can be defined for all doors. This flexibility allows for different actions or responses on a door-by-door basis.

Defining Events Parameters

The **Event parameters** dialog allows you to customize your system events. In fact, you can specify events that will be printed automatically or acknowledged during a specific schedule. You can also send instructions to inform an operator of an alarm through other media (i.e.: e-mail, pager, etc.) when alarms are generated.

By default, all events are defined to be displayed on all the Message desktops. You can customize your system events by manually associating events and components.

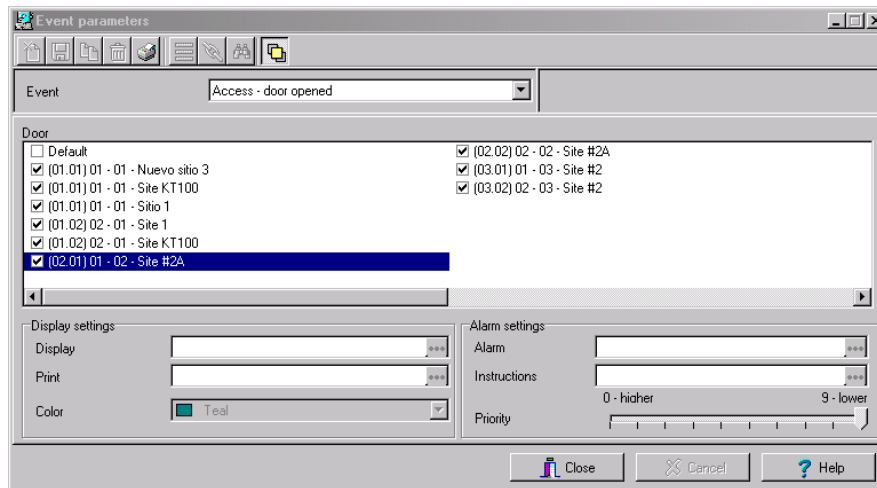
There are two types of associations: manual and default association.

- **Default associations:** Default associations are preset in the system. By default all events messages occur on all components associated with them and are displayed in Messages desktops. You may keep the default settings.

Default associations		Comments
Component	Workstation	
Default	Default	All events originating from all components are sent to all workstations
Default	(Specific) Workstation 2	All events originating from all components are sent to only Workstation 2
Specific (Door 1)	Default	Only events originating from Door 1 are sent to all workstations

NOTE: Manual associations: Manual associations are setup by administrator and allow to send messages to Message desktops for specific events. *Manual associations take priority over default associations. When you define a manual association between an event message and a component, the default association is ignored. It can be restored by deleting the manual association. Manual associations should be used with caution.*

- 1 From the **System** tab, click the **Event parameters** icon.



- 2 From the **Event** drop-down list, select an event for which you want to define settings.

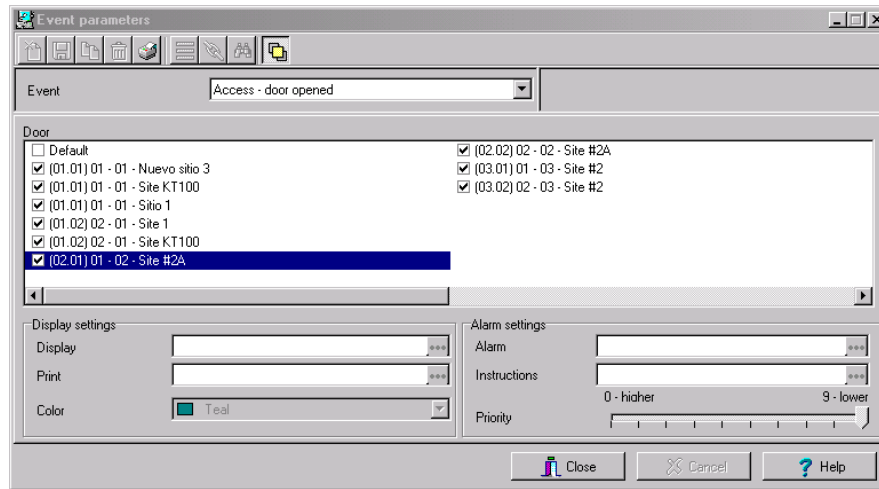


NOTE: By default, all events are defined to be sent to the Messages desktop with an always valid schedule. It is recommended to keep default settings especially when these settings apply to all events. However, you may decide to create manual associations if you want a specific event to generate a specific message or alarm.

- 3 In the **Display settings** section, specify the display options: by default, all events are programmed to be displayed in the Messages desktop window, and are assigned an **Always valid** schedule.
- 4 From the **Print** popup menu, select a schedule to determine when the event will be printed. When this schedule is valid, the selected event will be printed
- 5 From the **Color** drop-down list, select the color that will be used to display the event in the Message desktop. The default colors are set according to the following convention:
 - **Red** for alarm events;
 - **Green** for elements returning to a normal condition;
 - **Yellow** for warnings and errors;
 - **Blue** for other events.
- 6 In the **Alarm Settings** section, specify:
 - **Alarm (schedule)**—When this schedule is valid, the event will be sent to the Alarms Desktop and will require an acknowledgement from the operator.
 - **Instructions**—Select the instruction that will be sent to the Instruction desktop with the event to be acknowledged. Instructions will only be sent when the alarm schedule is valid.
- 7 Assign the **Priority** level to the event. This determines the sequence in which alarm messages will be displayed to the operator in the alarm queue. The priorities are preset to the most common values (0 = higher, 9 = lower).

Creating Associations

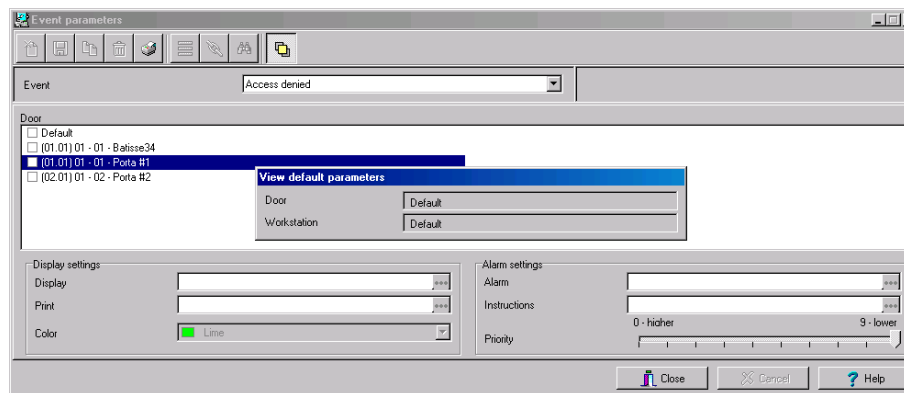
- 1 In the Event parameters window, select an event from the **Event** drop-down list. From the component pane select a component.



- 2 Click the **Save** icon to create the new association. In this case, *All access - Door opened* events that will occur on the selected door will be sent to the message desktop.

Viewing an Association

- 1 From the component pane select a component.



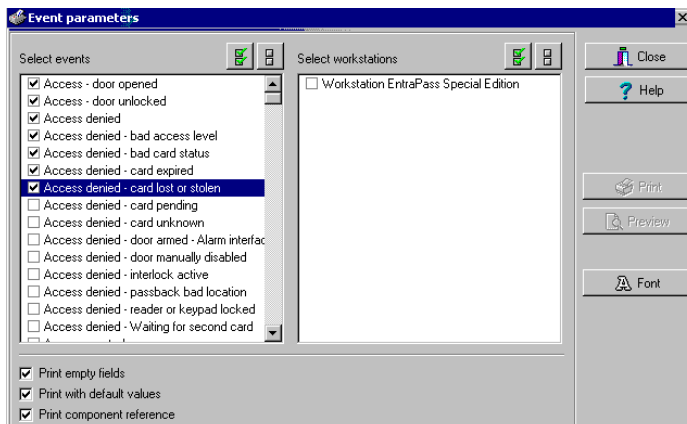
- 2 Click the **View association** icon in the toolbar. The View default parameters message box shows if the event parameters were set by default or manually.

- To close the View default parameters message box, click the **View association** icon in the toolbar.

Printing Event Parameters

EntraPass allows you to print events parameters (alarm and display settings) for the selected events.

- From the Event parameters window, select the **Printer** icon.



- In the **Select events** pane, select the events to be included in your printout or click on the **Select all** button to select all the events from the displayed list.
- In the **Select workstations** pane select the EntraPass workstation to be included in your printout or click on the **Select all** button to select all the EntraPass workstations from the displayed list.
 - Print empty fields:** If selected, the system will print the fields that do not contain any information. Only the field title will be printed.
 - Print with default values:** If selected, the system will print the default associations as well as manual associations.



NOTE: If you **do not** select this field, only manual associations (not involving defaults) will be displayed in the report. If you do not have manual associations (component x with event y), the report will be empty.

- Print components reference:** If selected, the system will print the component physical address next to the component identification.
- Use the **Font** button to choose a different font (and font size) for your report.
- Select the **Preview** button before printing, if desired.

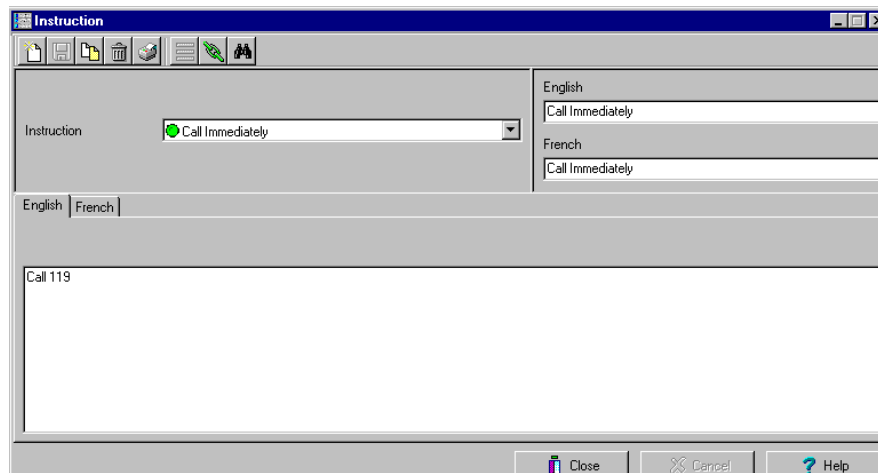
Instructions Definition

This menu is used to define instructions that must be assigned to events. When an alarm is generated, the instruction will display in the Instruction window (Desktop menu) for acknowledgement.

Usually, each line will contain a single directive; the response instructions will be composed of several directives (lines). This allows for greater flexibility when modifications are required.

Defining an Instruction

- 1 From the **System** main window, select the **Instruction** icon.



- 2 To create a new instruction, click the **New** icon. To modify an existing instruction, select one from the **Instruction** drop-down list.
- 3 Enter the instruction name/identification in the language section.
- 4 Select an appropriate language tab to enter the instruction. Instructions are entered in one selected language.



NOTE: You may enter up to 511 characters (including spaces) per instruction.

- 5 To assign instructions to events, see "Event Parameters Definition" on page 243.

Message Filters Definition

The Message filter feature allows you to define filters for the Filtered Messages desktop. These filters are used to view a specific selection of events.

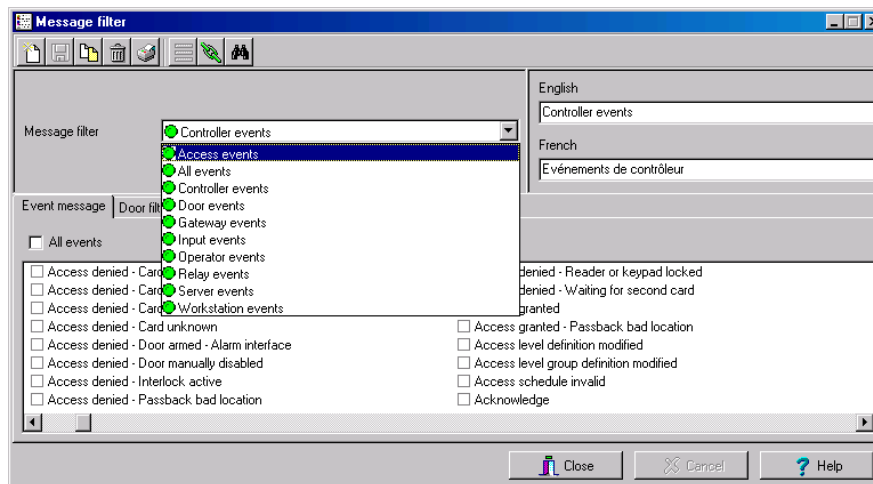
There are many pre-defined filters such as: access events, controller events, etc. These filters can be accessed by all operators. You can select or create filters directly from the “Filtered Messages” desktop or from the Message Filters menu.



NOTE: For more information, see “Filtered Messages Desktop” on page 270.

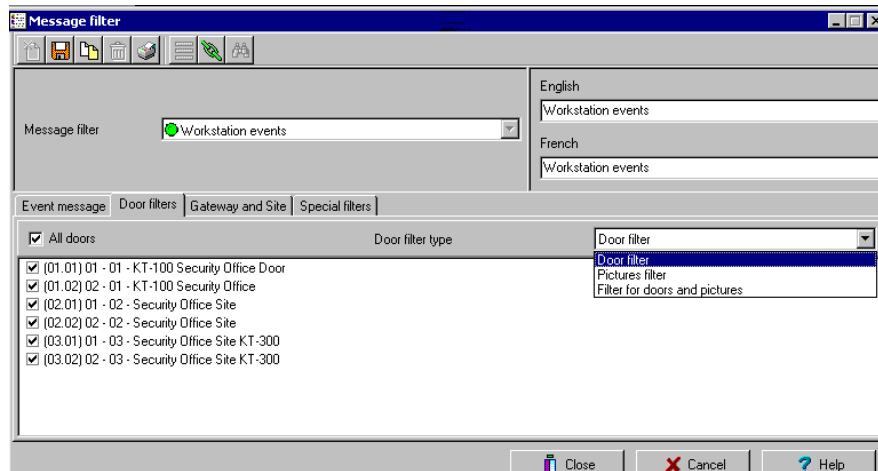
Defining Event for a Message Filter

- 1 In the System main window, select the **Message Filter** icon. The Message filter window appears.



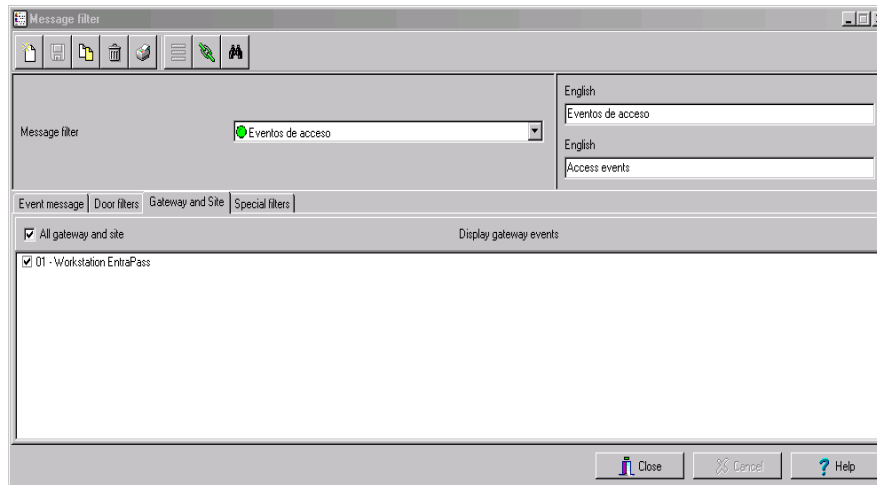
- 2 From the **Message filter** drop-down list, select an event message type (for example: Door events or Relay events) for which you want to define a filter. You may also click the **New** icon to create your own filter.
- 3 From the **Event list**, select the events that must appear in the selected filter. You may check the **Select all events** option, if you do not want to select specific events. For example, for a Door events type filter, you may decide to include all events or select the **Access-denied** events.
- 4 Select the **Door filters** tab to filter doors that will send messages to the Filtered messages desktop. Additionally, when “Access events” are filtered, the cardholder’s picture can be

displayed with the event (if pictures are assigned to cardholders). You can select which doors will display the cardholder picture when the event for this door is generated.



- 5 Check the **All doors** option or choose specific doors for which the cardholders's picture will be displayed an door event.
- 6 From the **Door filter type**, select the filter that will be used for filtering Door events:
 - **Door filter**: Only events related to the selected doors will be sent to the Filtered Message desktop
 - **Pictures filter**: Cardholders' pictures related to cards presented to the selected doors will be sent to the Filtered Message desktop
 - **Filters for doors and pictures**: Door events related to the selected doors as well as cardholders' pictures that triggered door events on the selected doors will be sent to the Filtered Message desktop.

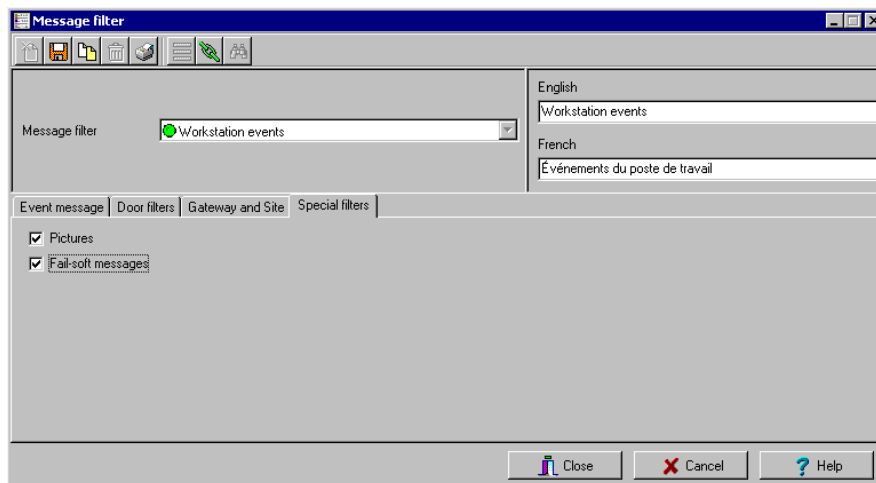
- Select the **Gateway and site** tab to filter gateways and sites events sent to the Filtered Messages desktop.



- Check the **All events** option to receive events originating from the components of the sites. You may select the site that will send events to be displayed.

NOTE: When you use filters, the system retrieves events that are already displayed in your Message desktop and sorts these events according to the settings of the selected filter.

- Select the **Special filter** tab to filter events according to their type.



- Picture:** all events associated with a cardholder's picture will be displayed in the Filtered Message desktop.

- **Fail-soft:** all events generated by a controller in stand-alone mode following a communication failure will be sent to the Filtered Message desktop. Fail-soft messages are identified with a + sign in the Filtered Message desktop (and Message Desktop) when this option is select when defining the Messages list properties (**Desktop > Message Desktop > right-click an event > Properties**).



NOTE: When you use filters, the system retrieves events that are already displayed in your **Message desktop** and filters these events according to the settings of the selected filter.

Database Structure Definition

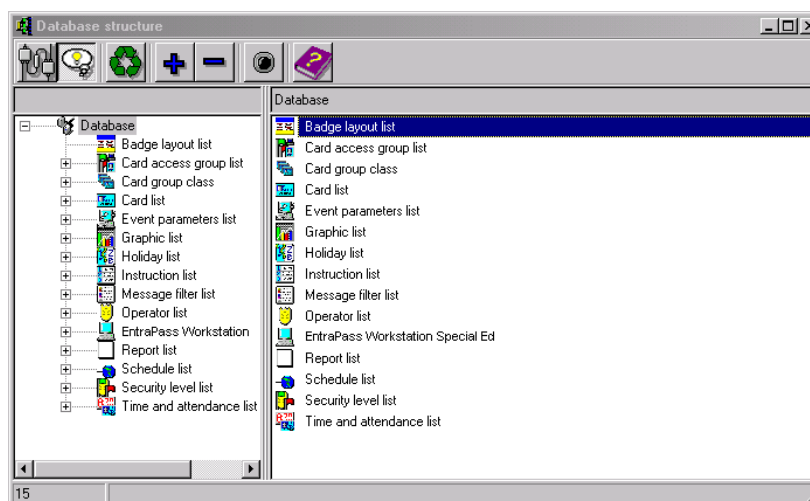
Use the Database structure menu to browse the system database. It will display the entire structure of the database including:

- The system *physical components* (EntraPass applications, sites, controllers, doors, relays, inputs and auxiliary outputs), and
- *Logical components* (cards, schedules, reports, instructions, groups, etc.).

Operators can edit or sort the system components from the Database structure window.

Viewing the Database Components

- 1 Form the **System** menu, select the **Database structure** icon.



- 2 To display only the **Physical component**, select the physical components icon. When selected, only the physical components of the database will be displayed.



NOTE: By default, *physical components are ALWAYS displayed.*

- 3 To display **Logical components**, select the logical components icon. When selected, logical components of the database will be displayed along with the physical components.
- 4 You may use the **Refresh** button to refresh the display in order to obtain the most recent information saved in the server database.
- 5 You may select the **Full Expand** button to fully expand the tree structure and view all sub-components of a selected component. For example, if you use this button on a controller, the system will display the controller components (doors, inputs, relays) on the right-hand side of the window.
- 6 You may select the **Collapse** button to fully collapse the tree structure and hide all sub-components of a selected component.
- 7 To edit a component, right-click it and select **Edit** from the contextual menu. The system will display the definition window so you can modify the component's parameters.

-
- 8 To sort the component, right click the component, then select **Sort** from the contextual menu. Sort the components listed in the right-hand pane of the window for an easier find. You can sort by component address or name.



NOTE: You can define how the component's physical address will be displayed. This will also affect how components will be sorted. For more on this, see "Security Level Definition" on page 227.



Chapter 11 • EntraPass Desktops

Desktops receive and display system events (current or historical), alarms, cardholders's picture, system graphics, etc. A desktop can also be used to acknowledge alarms, display instructions, etc. There are four (4) pre-defined desktops. These can be configured as follows:

- Desktop 1: All system events
- Desktop 2: System events and pictures
- Desktop 3: Alarms screen
- Desktop 4: Graphic screen

The following windows can be combined with other desktops:

- Instructions
- Pictures
- Historical Reports

It is possible to display more than one window at a time. Depending on their security level, operators can modify the settings of each of these windows (background color, size, toolbar, etc.). However, an operator whose access level is 'read-only' on a given desktop cannot modify, move, maximize or minimize a desktop.



NOTE: Only operators with the required security level can customize their desktops (**System tab > Security Level**). They also have the ability to allow "Read-only operators" to modify their desktop settings. In this case, the changes apply only to the current session.

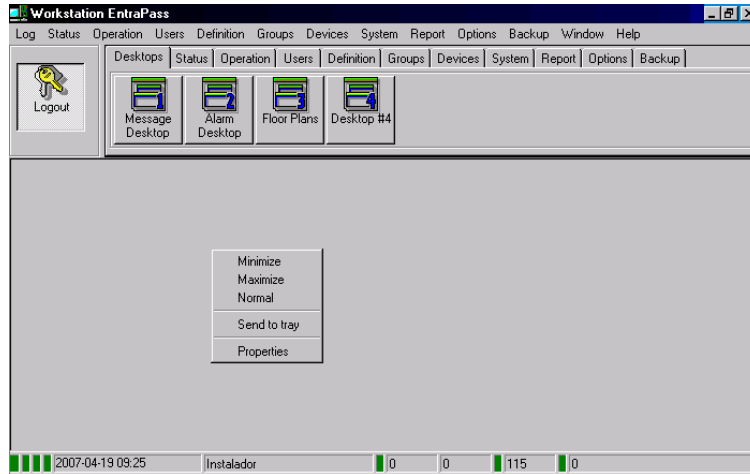


Work Area Customizing

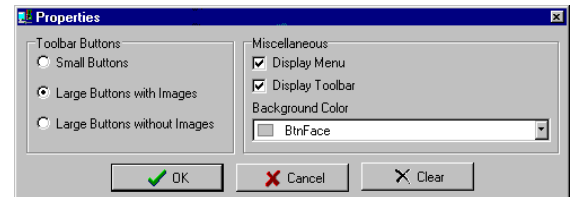
Entrapass enables operators, with appropriate permissions, to customize their work area and to modify the desktop properties. To define an operator's security level: **System** tab > **Security Level**.

Changing the Display Properties

- 1 From the Desktop window, right-click anywhere in the window.



- 2 Select **Properties** from the shortcut menu.
- 3 From the Properties window that appears, select the display options: you may change the default size of buttons, the default background color, etc.



- **Small buttons:** If this option is selected, small components' icons are displayed with no descriptive text. This option can be appropriate for operators who are familiar with Entrapass icons and do not need an additional description.
- **Large buttons with images:** Icons are displayed with their description.
- **Large buttons without images:** Large buttons are displayed with no description.
- **Display menu:** check this option to view the system menu.
- **Display toolbar:** check this option to view the toolbar for system menus.
- **Background color:** select a background color for the whole work area.
- **Change system font:** click this button to change the font for all the user interface.

Specific Desktop Customizing

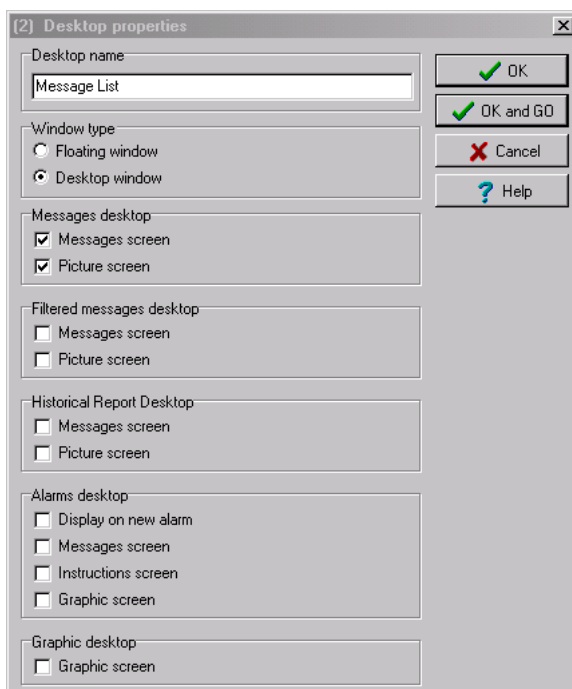
EntraPass enables operators with appropriate permission to customize their desktop. Moreover, operators with full access permissions can permit operators with read-only permission to customize their desktop. They can also customize a specific desktop and transfer this customized desktop to other operators using the Assign desktop feature. The following sections explain how to customize a desktop:

- Customizing a desktop by a full access operator
- Customizing a desktop for a read-only operator
- Transferring a customized desktop

Customizing a Desktop for a “Full Access” Operator

Operators with full access permission have the ability to customize their desktops. To grant full access to an operator: (**System > Security Level**).

- 1 Select the desktop you want to customize, right-click and select **Properties** in the menu to open the Desktop properties dialog.



- 2 From the **Desktop name** field, assign a meaningful name to the desktop you are configuring.
- 3 Select the window type:
 - **Floating window**—a floating window can be resized and positioned anywhere in the work area screen. For example, you can choose to send it to the back or to bring it to the front. If

a floating window was sent to the back, you may bring it to the front by right-clicking the desktop button, then selecting the **Bring to front** menu item.

- **Desktop window**—a desktop window is trapped within the work area. It is not possible to send the window in the background. It always remains within the main work area.
- 4 To save your changes:
- Click **OK**—If selected, you just save your the changes, the window is not displayed.
 - Click **OK & GO**—If selected, this function saves your changes and displays the window you have just configured.

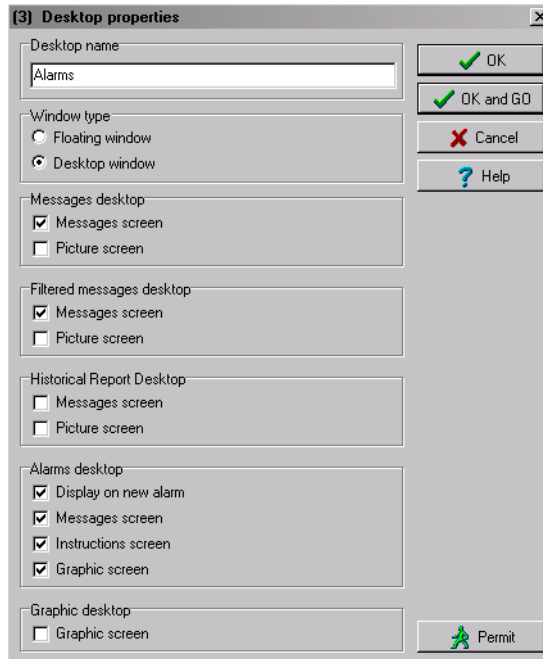


NOTE: When opening a desktop window for the first time, you may need to re-size it in order to view the information correctly. To do so, point to the frame border you want to change; when the pointer turns into a double-headed arrow, drag the border to exact size. You may then position the window in the work area to the desired position.

Customizing a Desktop for a “Read-Only” Operator

The security manager or an operator with the appropriate security level can give permission to operators who do not have the appropriate permission to customize their desktop during a session.

- 1 Login, using the user name and password of the operator with ‘full access’ security level.
- 2 Select the desktop you want to customize, right-click and select **Properties** in the menu to open the Desktop properties dialog.



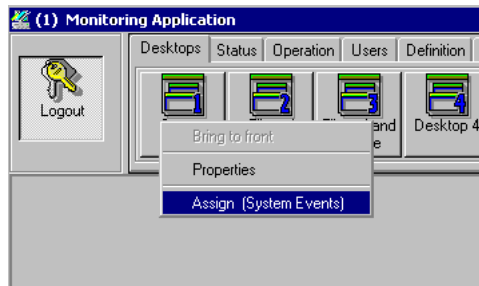
NOTE: The **Permit** button appears when the operator who is logged on has ‘read-only’ access permission. The permission acquired during this session will be valid until the operator logs out.

- 3 Click the **Permit** button. The operator login window appears. Enter your username and password, and click, **OK**. The temporary permission will be granted.

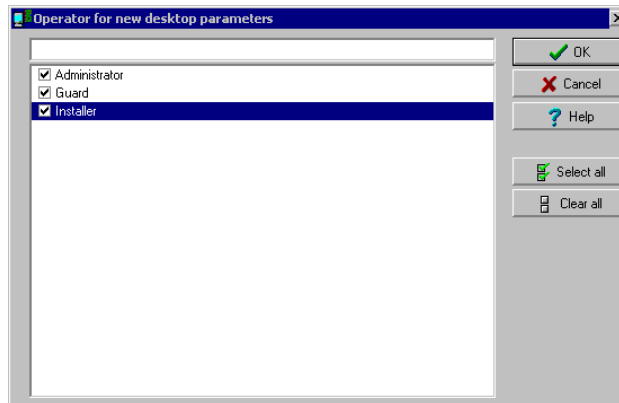
Transferring a Customized Desktop

Another possibility available to the Security Manager (or to the operator with the appropriate security level) is to customize a desktop, and then to assign the settings to other operators who may not have the appropriate security level to modify their desktop settings.

- 1 Right-click the desktop you want to assign the settings.



- 2 Select the **Assign (desktop)** option from the shortcut menu.



- 3 From the displayed window, select the operators to whom you wish to assign the desktop properties (you must check the appropriate checkbox). You may select operators one by one, or you may use the **Select all** button.

Message List Desktop

By default, the first desktop is defined as the **Messages List Desktop**. It displays all system events. Events are displayed with their icon, date and time, description, system components involved in the event such as controllers, cardholder pictures (if defined), etc. When a new event is displayed, the window scrolls up. The newest events are added at the bottom of the window.

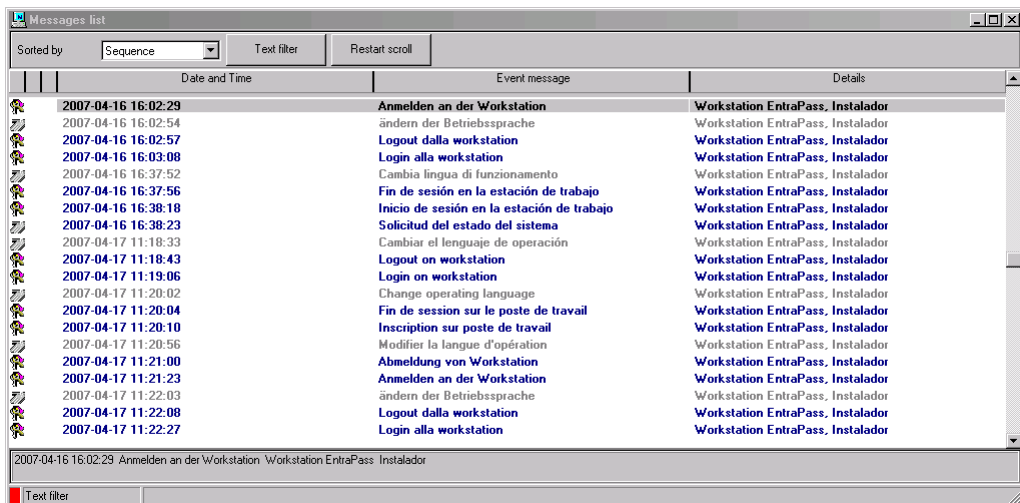
Viewing and Sorting System Events

By default, the first desktop is dedicated to displaying system events. When you select an event from the list, you interrupt the incoming sequence (the green status indicator located at the bottom left part of the desktop turns red when scrolling is interrupted). By default, the scrolling will restart automatically after a pre-set period of time, unless the auto-scroll parameter was disabled. In that case, to restore the normal scrolling, click the **Restart Scroll** button.



NOTE: If you configure a Desktop as a message screen and a picture screen, two windows are displayed simultaneously when you select the desktop.

- 1 Select the first desktop. By default, all system events are displayed in ascending order with an area at the bottom of the screen that displays the selected event in the list.



NOTE: You may change the message color: **System > Events parameters**. You may also change the events display order; see "Customizing Event Display in the Message Desktops" on page 263.

- 2 From the Message list screen, you may change the sorting criterion (**Sorted by** scroll-down list). You may choose to sort by:
 - **Sequence**—Events are sorted according to the normal sequence (default). New events are added at the bottom of the window. (This option is not available for Archived Messages Lists.)



- **Date and time**—This sort order interrupts the normal scrolling of events. This feature is useful when you want to know when an event was generated. This time may be different from the “normal sequence” for dial-up sites for instance or after a power failure.
- **Event**—When selected, the system sorts the **Event message** column in alphabetical order, grouping *identical* events. For example, all **Input in alarm** events are grouped together in alphabetical order.
- **Message type**—When selected, the system sorts the **Event message** column in alphabetical order, grouping *similar* events. For example, all **Site** events are grouped together in alphabetical order.



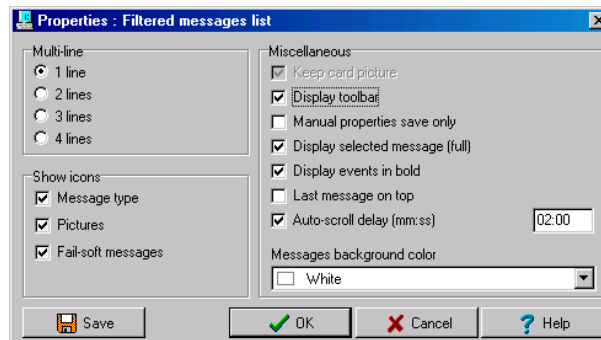
NOTE: To go back to the default display, Select **Sequence** from the **Sorted by** drop-down list.

- 3 Clicking the **Text filter** button (top of the **window**) will open the Text filter dialog that allows to enter a key word to display all the events that contain that keyword in the Message list. To close the Text filter dialog box, click **Cancel** or the Windows closing button (X).
- 4 To return to the normal display of events in the Messages list screen, click the **Text filter** button.



Customizing Event Display in the Message Desktops

- 1 From the displayed shortcut menu (**Message desktop** > Right-click a message), select **Properties**.



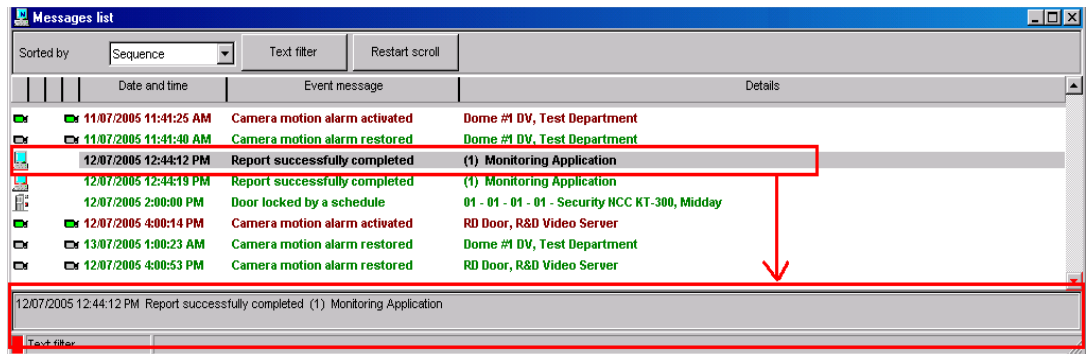
- 2 From the Properties window, select the appropriate display options.
 - **Multi-line**—Usually, events are displayed on a single line. You can increase the line spacing between events by checking the appropriate line option (1, 2, 3 or 4 lines).
 - **Show icons** —You can choose to display different types of icons beside each event.
 - **Message type**—When you select this option, the system inserts an icon next to events indicating the type of event. For example, if the event is a “door forced open” an icon representing a door is displayed (a hand represents a manual operation, a diskette



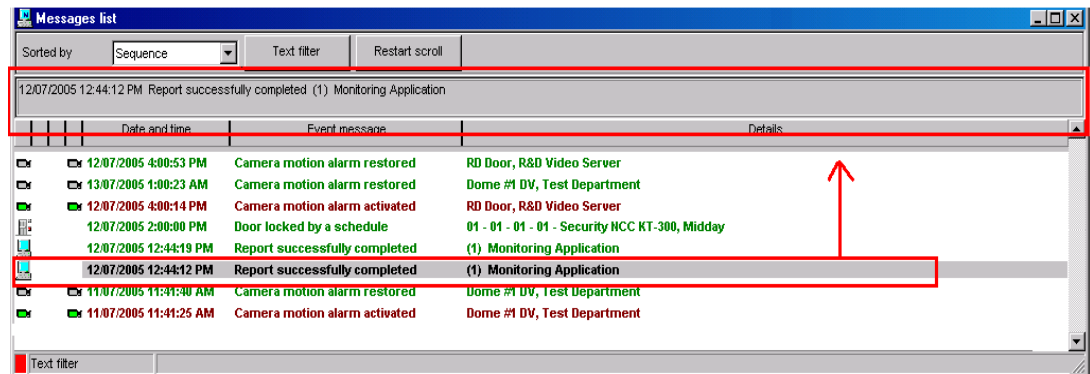
- represents the operation that modified the database, etc.). Access events are represented by the login/logout icons.
- **Picture**—When you select this option, the system inserts a card icon next to events containing cardholder pictures.
 - **Fail-soft messages**—When you select this option, the system displays a plus (+) sign next to the events that occurred when controllers were off-line.
 - The **Miscellaneous** section allows you to enable additional options:
 - **Keep card picture**—When selected, the system keeps the latest card picture (if the Picture window option is selected) until another event containing a card occurs.
 - **Display toolbar**—Displays/hides the toolbar on the top of the Message Desktop.
 - **Manual properties save only**—When you select this option, you have to click the **Save** button (once selected, the button is disabled). The system saves all the settings defined in the **Properties window** as well as the position of the window within the Messages Desktop.
 - **Display selected messages (full)**—When you select this option, a smaller window is added at the bottom portion of the **Message window**. It displays the selected event with its full description. This feature is very useful when your Message window is too small to display the entire description of an event.
 - **Display events in bold**: select this option to increase the legibility of text event messages displayed in EntraPass desktops (Message list, Filtered messages and Alarm desktops). Moreover, if the color selected for an event message is the same color as the background color, the event message will be displayed in black bold so that it can always stand out. (This option is not available for Archived Messages Lists.)
 - **Last Message on Top**: By default, event messages are displayed in ascending order of occurrence, with the area at the bottom of the screen reserved for the highlighted



event. You can select to display the events in descending order, with the highlighted event showing above the list of event messages.



Ascending Order



Descending Order

- **Auto-scroll delay (mm:ss):** Will automatically start scrolling the message list after a pre-set delay when the operator selects an item in the list. By default, this option is turned on with a preset delay. You can select to turn this option off which means that the operator will have to click the **Restart Scroll** button in the Messages List. (This option is not available for Archived Messages Lists.)
- **Message background color**—Allows the operator to modify the background color of the message window.



NOTE: To change the font color of system messages: **System > Event parameters.**

Performing Tasks on System Messages

Entrapass enables you to perform various tasks on system events. These include:

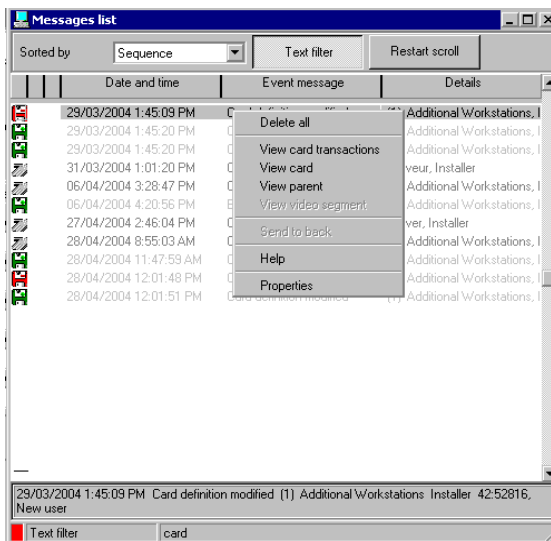
- Deleting messages

- Viewing card information
- Validating card status and card transaction
- Modifying the desktop properties (such as display options), etc.



NOTE: Some tasks are related to the selected desktop. For example, if you right-click an alarm event, the shortcut menu displays tasks that are related to alarm events. For details, see "Alarms Desktop" on page 274.

- 1 From the Message desktop, right-click an event to enable a shortcut menu:



- 2 Do one of the following:
 - **Delete all**—This option allows an operator to delete all the events displayed.
 - **Card**—This menu items offers two choices: **View card transactions** and **Search card**. Select **View card transactions** to display all access information related to the cardholder who has triggered the access event. The **Search card** shortcut allows you to browse the card database and to display information about all the card numbers associated with this specific card user name from the **View card information** window. From this window, operators can perform a variety of tasks including viewing and validating information contained on a card, such as the card number, cardholder name, card state (valid or invalid), etc. They can also select a card and view its transactions or view and validate a card access. For details about validating cardholders' access and last transactions, see "Cards Definition" on page 144.
 - **View parent**—Displays the parent of each component related to the selected event.
 - **Edit**—This feature offers you the ability to edit each component associated with the selected event. If **Edit** is selected, a shortcut menu displays components associated with the selected event. In this example, the *Site definition modified* event involves the EntraPass application, the operator who was on duty when the event was generated and

the site related to the event. It is now possible to edit any of the three components by selecting it from the shortcut menu.



***NOTE:** If the selected event is an access event and if the card that triggered the event has already been registered in the system, it will be possible to edit the card. However, if the card is associated with an Access denied - card unknown event, the card will be created and registered in the system.*

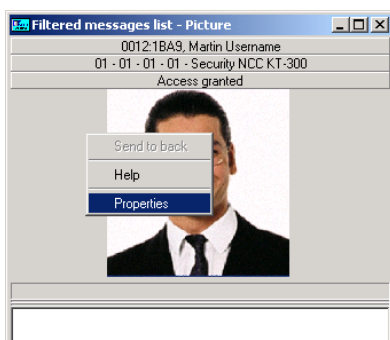
- **Send to back**—This option only works when the window type is set to floating. It sends the active window behind the main application window. To bring back to front, right click the desktop button, then select **Bring to front**.
- **Properties**—This menu item enables users to modify the display properties for the selected desktop.

Picture Desktop

If you selected **Picture screen** when defining the Message desktop, the Message desktop always appears with a Picture window. Access events are displayed with the cardholder's picture if you have set the appropriate display option in the Message filter definition (System > Message filters). For details, see *"Message Filters Definition" on page 248*.

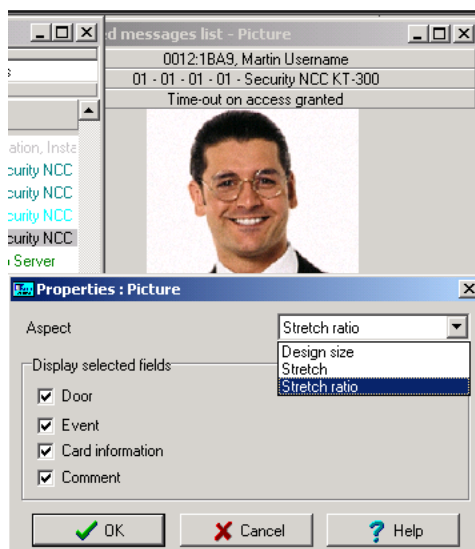
Modifying Pictures Display Options

- 1 From the Filtered Message list and Picture, select an access event, then right-click the cardholder's picture.



Send to back—This option only works when the window type is set to floating. It sends the active window (Picture window) behind the Message desktop main window. To bring it back to front, right click the Message desktop button, then select **Bring to front** from the shortcut menu.

- 2 From the shortcut menu, select **Properties**.



- 3 From the **Aspect** drop-down list, select the display size for the picture:

-
- **Design size:** the cardholder's picture will be displayed with its original size.
 - **Stretch** —This option stretches the picture to the window size without maintaining proportions. The picture may appear distorted.
 - **Stretch ratio**—This option stretches the picture to the window size while maintaining proportions.
- 4 Select the information you want to see displayed with the cardholder's picture:
- **Door:** The door where the card was presented will be displayed above of the cardholder's picture
 - **Event:** The event message will be displayed
 - **Card information:** The card information field will be displayed above the picture.
 - **Comment:** If this option is selected, a comment field appears below the cardholder's picture. The comment entered when defining the card appears in this field.

Filtered Messages Desktop

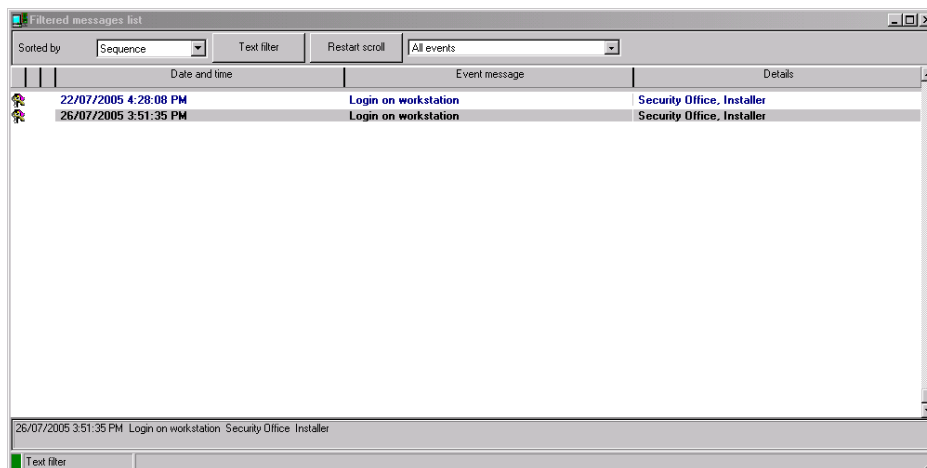
The Filtered Messages desktop allows operators to display specific events. For example, you can create filters to display events that are related to a specific controller and from a particular gateway of the system. If this is the case, those events will be displayed in the Filtered Message desktop. Filtered messages are defined in the Message filters menu: **System > Message filters**.



NOTE: When you use filters, the system retrieves events that are already displayed in the Messages desktop and filters these events according to the selected filters.

Configuring a Filtered Messages Desktop

- 1 From the Desktop main window, select the desktop you want to configure as a **Filtered messages desktop**.
- 2 Assign a meaningful name to the **Filtered message desktop**; then define the desktop type (Message window, Picture window or both).



- 3 You can change the **Text filter**, to display specific events. For details on the Filtered messages desktop, see *"Message List Desktop"* on page 262.



Historical Report Desktop

The **Historical Report** desktop allows operators to display events that come from pre-defined, historical reports, view the report generation state. Security levels will determine which historical reports are available to each operator.

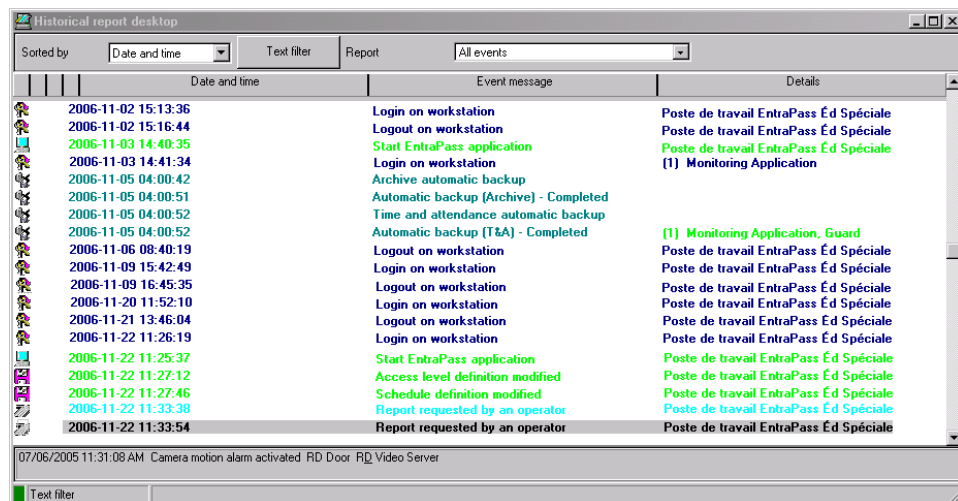
The **Historical Report message list** operates the same way as all message lists in Entrapass except that it has an extra combo box that allows operators to select a pre-defined historical report.

Historical reports are defined under **Report > Historical Report**

Security levels for reports are defined under **System > Security Level >** under the **Report** tab.

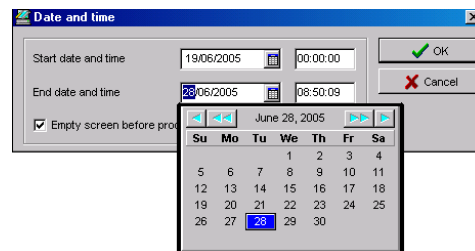
Configuring a Historical Reports Desktop

- 1 From the Desktop main window, click the desktop button you want to configure as a **Historical Reports** Desktop.
- 2 Assign a meaningful name to the Historical Reports Desktop, then define the desktop type (Message window, Picture window or both).



- 3 Select the sort criteria you want to use to display historical data (**Date and Time**, **Event**, or **Message Type**).
- 4 You can enter a text string that will be used for searching specific archived messages (when applicable).
- 5 In the combo-box, select the historical **Report** you want to generate. The list of available reports corresponds to your security level.
- 6 After selecting the report, a **Date and Time** window will popup requesting a reporting date and time period.

- 7 Enter **Start** and **End date and time** or click the calendar icon to open the calendar and select the start and end dates, and then type in the start and end times.
- 8 Check the **Empty screen box process request** box in order to clear the Historical Report message list of the previous search results.
- 9 Click **OK**. The status indicator light located at the bottom left of the screen will change from green to blue to indicate a historical report is being generated. It will turn green again when the data transfer will be completed and the historical data will be displayed according to the criteria you have selected.



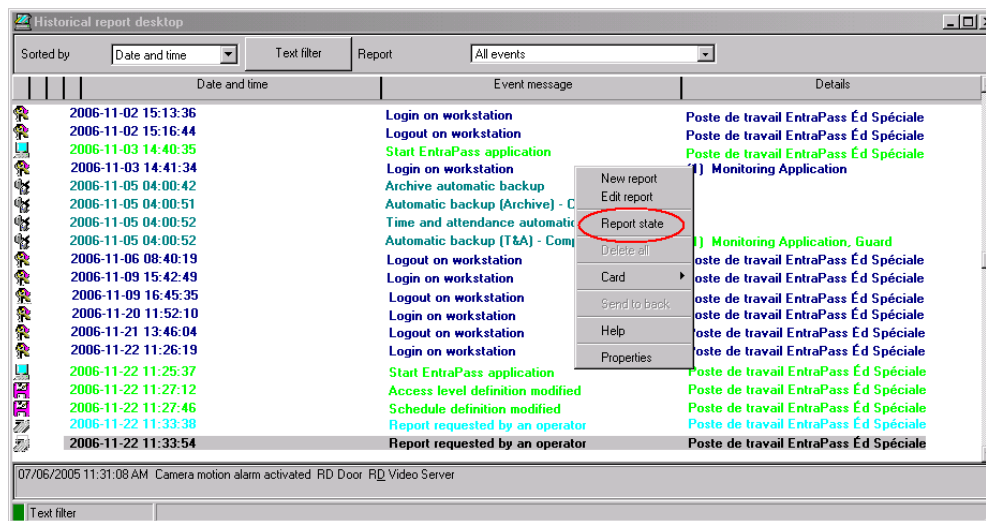
To Create and Edit Historical Reports from a Desktop

- When your security level allows you to create new reports, you can access the Historical Report dialog from the **New Report** command in the Historical Report Desktop pop up menu. For more information on Historical Reports, see *"Historical Reports Definition" on page 289*
- When your security level allows you to edit existing reports, you can access the Historical Report dialog from the **Edit Report** command in the Historical Report Desktop pop up menu. For more information on Historical Reports, see *"Historical Reports Definition" on page 289*

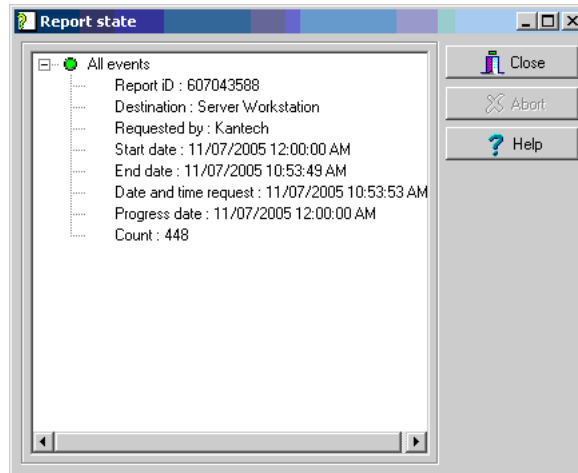
To Display Historical Report State in Real-time

This feature allows you to view the progress of report generation for a specific report in the Historical Report Desktop List

- 1 Right-click an entry in the Historical Report Desktop window. A contextual menu will pop up.



- 2 Select **Report State**. The Report State dialog will open displaying Report generation information.



- 3 When the report is finally generated in the Desktop window, the information in the Report State dialog will disappear. Click **Close**.

Alarms Desktop

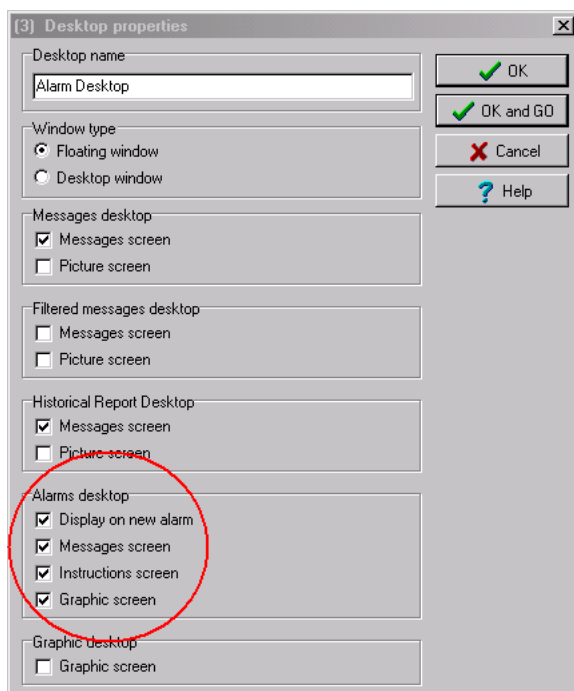
The Alarms desktop is used to view and to acknowledge alarm events. Alarm events are defined in the Event Parameter menu (**System > Event Parameters**). Any event can be defined as an alarm event. Alarm events require operator acknowledgment and are displayed in the Alarms desktop.

A schedule must be defined for all alarms (**System > Event parameters, Alarm settings**). When an alarm is generated during a valid schedule, operators have to acknowledge the alarm.

Alarms are displayed with date and time, alarm description, details, instructions (if defined) and associated graphic (if defined). New events are added at the bottom of the Alarm desktop unless you have setup the list to display in descending order (in the Alarm Desktop Properties dialog).

Defining an Alarms Desktop

- From the Desktop main window, select the desktop in which you want to display alarm messages, then define the window type: **Floating** or **Desktop** type.



- Specify the secondary windows that will be associated with the Alarms desktop:
 - Display on new alarm:** Will open the Alarms desktop automatically when an alarm occurs.
 - Message screen:** This window allows operators to view and acknowledge alarms that have an “acknowledgement schedule” selected in the **Event Parameters** definition menu (**System > Event Parameters > Alarm settings**) or to display the auto-acknowledge button configured in the Operator dialog (**System > Operator > Privileges**).



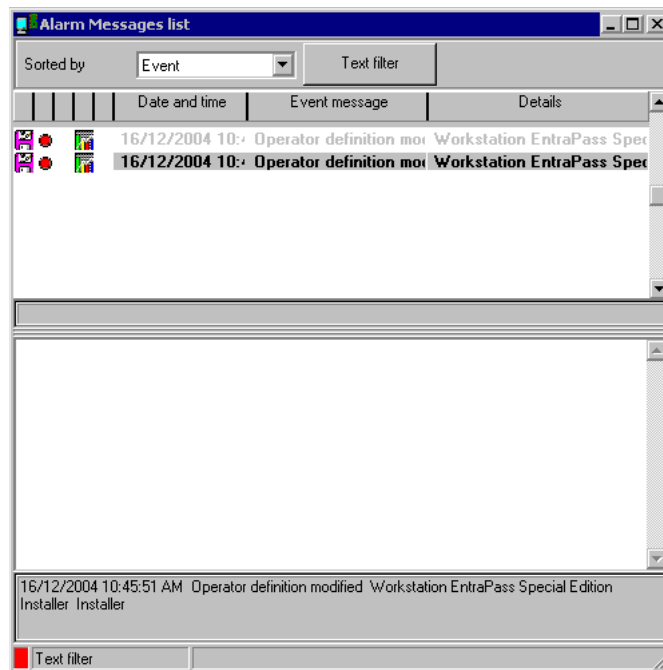
- **Instructions screen:** This window displays the instruction that is linked to the event to be acknowledged (i.e. call the police, send a message to a client application, etc.). Instructions are defined in the **System > Instructions**. Then after, they may be associated with events.
- **Graphic screen:** This window will display the location of the alarm being reported (if graphics are defined in the system). For more information on assigning graphic, see "Graphics Definition" on page 115.



NOTE: An Alarm desktop may be defined as a Message window, a graphic window and an Instruction window. These features may apply to a single desktop. When you select a desktop defined with these three features, three windows are displayed simultaneously. For a better display, you may need to resize and to position the windows.

Viewing System Alarm Messages

- 1 Select the **Alarm** desktop. Alarm events are displayed according to the criteria selected in the **Sorted by** field.



- 2 You can double-click the log area (middle of the window) to add a comment. The Add a comment window opens and enables you to enter text data. Once you have finished and clicked the **OK** button to close the window, the alarm event will be preceded by a + sign, indicating that an annotation has been added to the alarm event.
- 3 You may change/define the sorting order (**Sorted by** drop-down list):

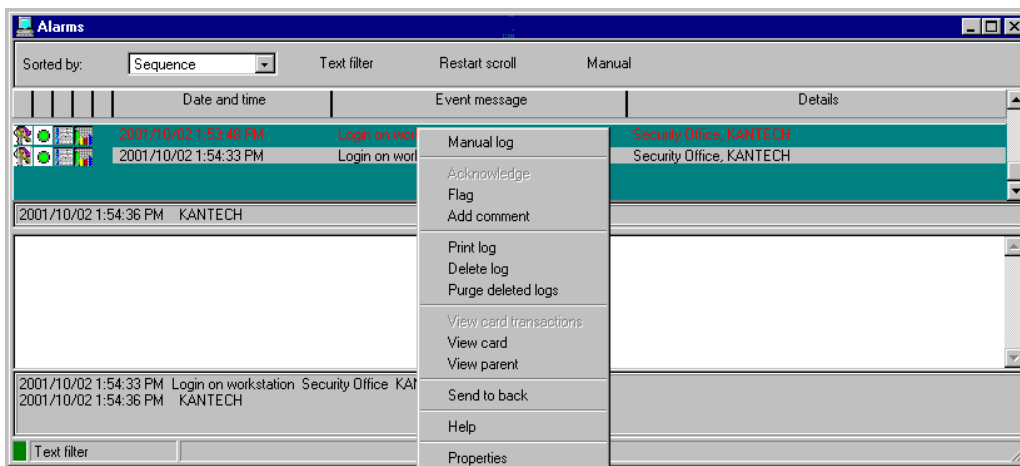


- **Sequence**—alarms are sorted by their order of arrival. This the default sequence. The window scrolls to the end each time a new alarm is displayed.
 - **State**—alarms are sorted according to their status (acknowledged, to be acknowledged or flagged). When you use this option, you interrupt the normal scrolling of events. Select “sequence” to go back to the default display.
 - **Date and time**—alarms are sorted according to the date and time of their arrival.
 - **Event**—The **Event messages** column is sorted in alphabetical order, grouping *identical* events. For example, all **Input in alarm** events are grouped.
 - **Priority**—Events are sorted by priority (as defined in **Event parameter**).
- 4 You may right-click anywhere in the window to enable the Properties window from which you can enable alarm status icons:
 - **Red**—To be acknowledged or suspended. If suspended, the suspension delay is displayed. When the delay expires, the operator is required to acknowledge again. If the delay is not expired but the operator wishes to acknowledge a suspended alarm, he/she has to click on the delay. The delay will be reset to zero.
 - **Green**—Acknowledged.
 - **Yellow**—Flagged.
 - **Black**—Deleted. To view alarms that have been manually deleted, select the **View deleted logs** from the **Properties**.
 - **Blue**—Manual log.
 - 5 Select the **Manual / Automatic** buttons to toggle the acknowledgement method (automatic or manual). Only operators who are assigned this feature in the Operator Definition menu can use this option. For more information, see *“Operators Definition” on page 224*.



NOTE: The *Manual / Automatic* acknowledgement option is only available through the Alarms Desktop. When the operator logs out, it will return to “manual” by default.

- 6 Right click an alarm message to perform additional tasks on alarm events:





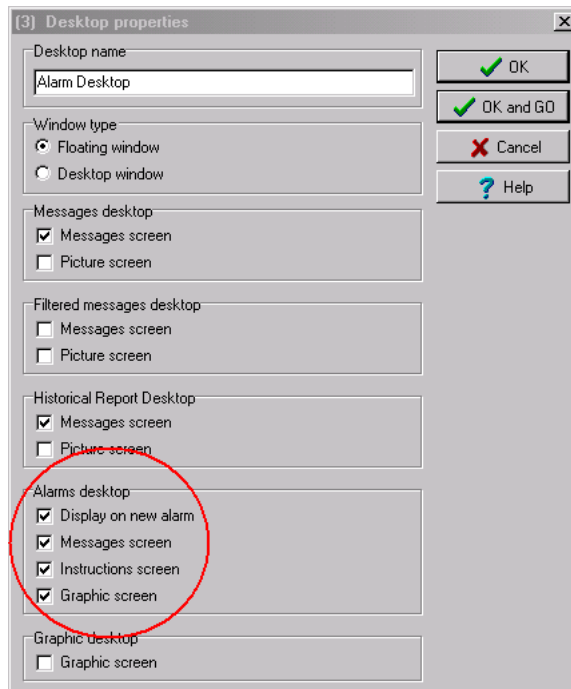
- **Manual log**—When selected, the system displays the Manual log window to allow an operator to add log comments, and hence to generate a customized event (with priority, event details, color etc.). When a manual log is added, a hand and a blue circle are added beside an alarm message. These are visible when icons are enabled (right-click an alarm event > **Properties** > **Show icons**)
- **Acknowledge**—When selected, a green point is inserted beside an alarm message to indicate that the event was acknowledged.
- **Flag**—When selected, the system flags the selected event. A yellow indicator is inserted beside flagged events.
- **Add comment**—Allows operators to enter comments concerning the selected event. The added comments are displayed in the bottom part of the alarm window. A blue + sign beside an alarm message indicates that a comment was added to the alarm message (visible when icons are enabled: right-click an alarm event > **Properties** > **Show icons**)
- **Print log**—When selected, the system prints the alarm message.
- **Delete log**—When selected, the selected alarm message is marked for deletion (the indicator becomes “black” to indicate that the log has been marked for deletion). To view the logs marked for deletion, before you actually purge them, right click anywhere in the window and select **Properties** then select **View deleted logs**.
- **Purge deleted log**—Select this option to permanently remove logs that were marked for deletion.

Displaying Alarm Desktops Automatically

EntraPass enables users to display graphics automatically - from any desktop - as soon as an alarm occurs. This feature enables operators on duty to automatically view new alarms without having to open the alarm desktop and secondary windows associated with it. If **Display on new alarm** is checked the alarm desktop (and its secondary windows) will be displayed as soon as an alarm occurs regardless of the active window.



- 1 Define a desktop and customize it as an alarm desktop: for this, you have to check the items of the Alarms desktop section.



- 2 Check the **Display on new alarm** option so that operators can automatically view new alarms without having to open the alarm desktop and secondary windows associated with it.



NOTE: If this option is checked and if an operator calls up the alarm desktop, the desktop icon background color turns blue, indicating that the alarm and its secondary windows are displayed when a new alarm occurs. If however this option is selected when defining a Filtered message desktop for instance and if the desktop icon is selected, the filtered message desktop will be displayed (the background color of its icon turns blue), but the windows below the Display on new alarm section will not be displayed; they are only displayed when a new alarm occurs. If those windows are displayed (on new alarm), clicking the "X" in the top right hand corner of one of them will close all the open windows. If **Display on new alarm** is not checked, the alarm desktop and all its secondary windows will be displayed on call (that is, when the alarm desktop is selected).

- 3 Click **OK and Go** for your configuration to take effect immediately.



NOTE: When you define a desktop as an alarm desktop to be displayed on new alarm, it is recommended to reopen the Automatic Alarm Display desktop, to position its windows the way you want them to appear, then to click **OK and GO** again. This way, it will appear exactly as you have defined it.

Acknowledging Alarms/Events

Usually, operators have to acknowledge receipt of an alarm condition (event—such as intrusion, input in alarm, etc.) by responding in ways such as depressing an acknowledgment button. In EntraPass, operators acknowledge alarm messages from an alarm warning box or from the Alarms desktop window.



NOTE: A sound can be added to alarm events. For more details about setting options for an alarm sound, see "Multimedia Devices Configuration" on page 323.

Acknowledgement options are setup in the EntraPass application definition (**Devices > EntraPass application > Alarm** tab, Acknowledgement parameters) Events that require operator acknowledgement are defined in the **System > Event Parameters**.

Automatic Acknowledgement

Alarms can be automatically acknowledged without operator intervention. This option is enabled in the Operator definition menu (**System > Operators > Privileges, Auto acknowledge**).



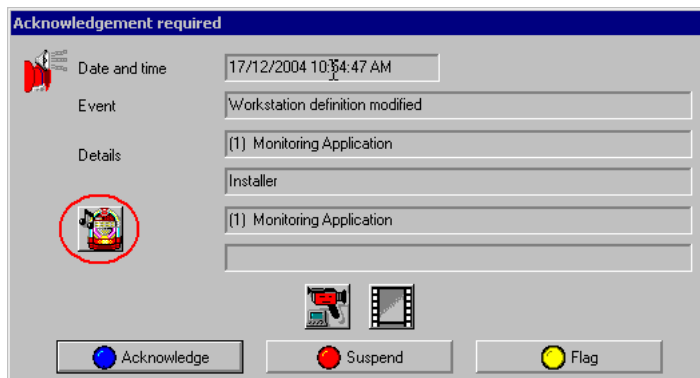
NOTE: In order for the **Manual** button to display on the Alarm Desktop window, it is important to close the EntraPass session and reopen it after you have selected the **Auto acknowledge** option.



NOTE: Only operators granted the appropriate access privilege should be using this option. If the **Automatic acknowledge** feature is used, the alarm message box is not displayed; therefore, it will not be possible to suspend alarms. If this option is enabled in the Operator definition menu, the **Manual** button is added to the Alarms desktop. This button toggles between **Manual** and **Automatic** acknowledgement.

To Acknowledge an Alarm Message

- 1 When the **Acknowledgement required** message box appears, take one of the following actions:



- Click the **Acknowledge** button to acknowledge the displayed alarm event. The red status button turns green once an alarm is acknowledged.
- Click the **Suspend** button to suspend alarms while doing other operations in the system. The alarm will be suspended for the delay time specified in the **EntraPass application**



definition menu. Once the suspended alarm delay time expires, the system prompts the operator to acknowledge the alarm.

- Click the **Flag** button if you want to acknowledge an alarm message, and if you want to identify it for future reference. A flagged alarm is identified by a yellow button.
- Click the **Mute** button if you want to stop the alarm sound.



NOTE: The *Acknowledgement required* message box will be presented in a format without the Instructions window if there are no instructions associated with the alarm message.

To Acknowledge Alarms from the Alarms Desktop

- 1 Select the alarm event you want to acknowledge (one that has been flagged, for instance), Right-click to enable a shortcut menu.
- 2 Select **Acknowledge** from the sub-menu. The status indicator becomes green.



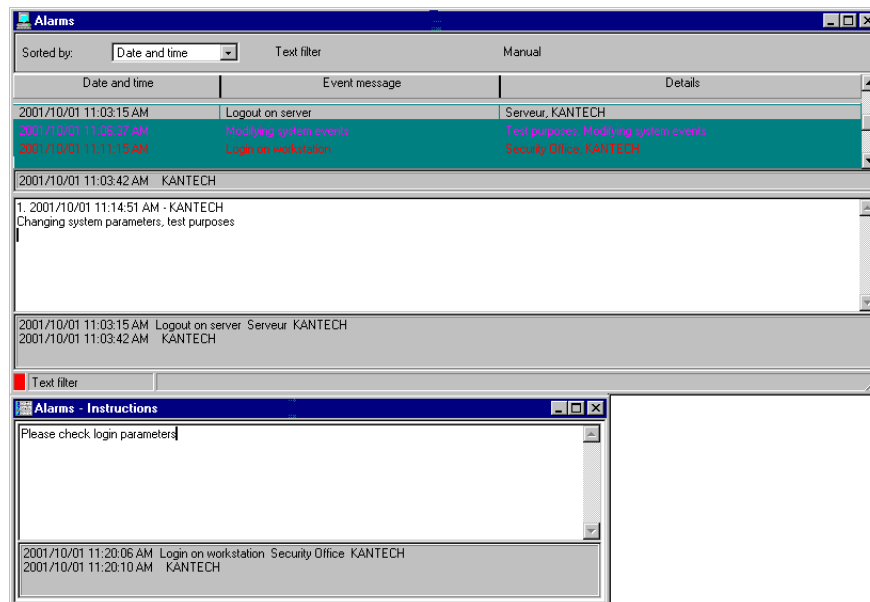
NOTE: To tag an alarm message for specific purposes, select the alarm event you want to identify; right-click and select **Flag** from the sub-menu. You can also click an alarm message until the color of its status indicator changes to the desired color.

Instruction Desktop

The Instruction window displays the instructions to follow when an alarm is reported. Instructions will only be displayed if this option is enabled during the Event Parameters settings (**System > Event parameters, Alarm settings**).

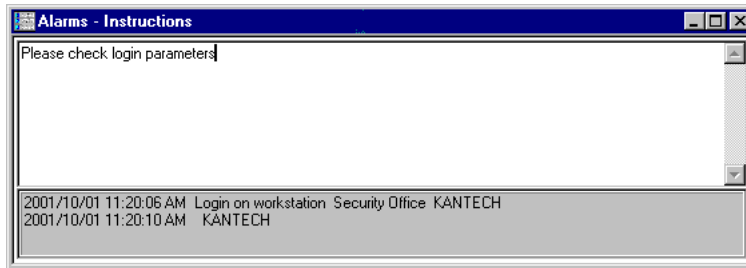
Viewing an Instruction About an Alarm Message

- 1 You may view instructions about an alarm by selecting the Alarms desktop defined as a message and an instruction window, or defined as an instruction window. When a desktop is defined as being both a message window and an instruction window, the two windows are displayed at the same time:





- 2 You may also view an instruction about an alarm by selecting an alarm message and right-clicking it.



NOTE: This feature is very useful when the Alarms desktop is too small to display the entire description of an event.

Graphic Desktop

The Graphic desktop displays the graphical location of the alarm being reported (if graphics are defined in the system). A graphic corresponds to the secured area of the system where components (Entrapass application, controllers, inputs, relays, etc.) are located on a site.

With graphics, operators can easily view the exact location of a component installed on a site, or the status of components and devices such as area groups, areas, doors, contacts, motion detectors, controllers, assigned to the graphic. In an emergency situation where muster reporting has been defined, icons will indicate when all employees have vacated the area.

Operators can perform manual operations directly from the displayed component (for example lock/unlock a door). To define interactive floor plans, see *"Graphics Definition" on page 115*.

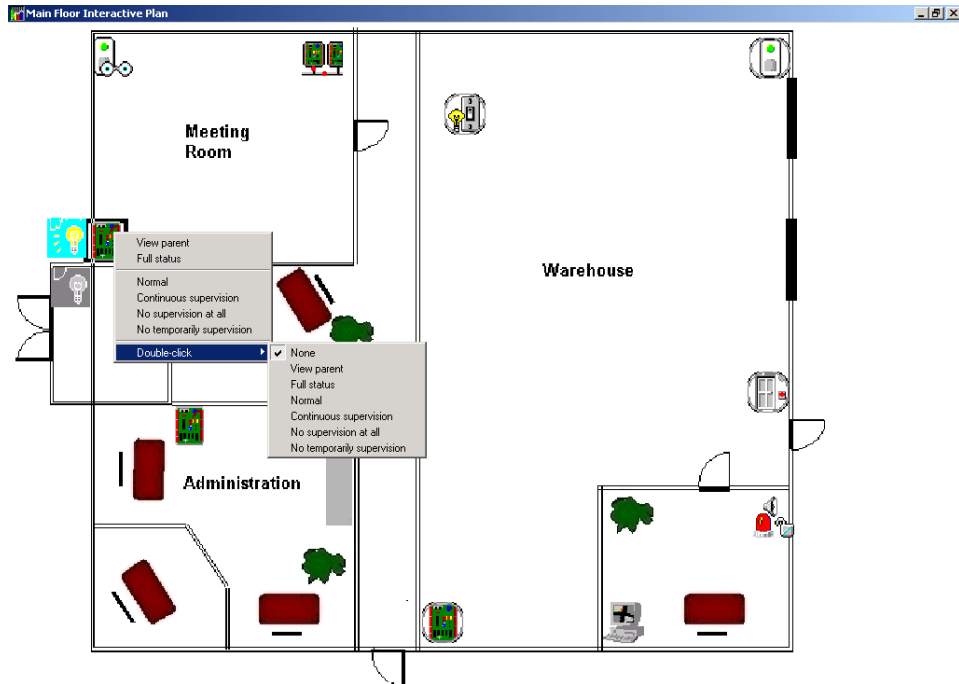
Viewing Graphics in the Graphic Desktop

- 1 Right click the desktop icon you want to assign to graphic, name the desktop (Graphics, for example), then define the window type (**Floating** or **Desktop**).
- 2 Click **OK and Go** to display the Graphics desktop.
- 3 Right click anywhere in the Graphic desktop, then, from the shortcut menu, select the graphic you want to display.



***NOTE:** If the window is smaller than the graphic size, you can click-hold-and-drag the graphic to move it around within the Graphic window.*

- 4 You may right click anywhere in the graphic to enable a shortcut menu in order to:
 - Adjust the display size of the selected graphic (**Fit to screen, Design size or Picture size**).
 - Select **Auto result** for the system to display a message indicating the cause of the communication loss in case of communication failure. If **Auto result** is not selected, operators will have to manually request the results for the component by using the **Show result**.
- 5 Right-click a component in abnormal condition to enable a sub menu.



NOTE: Components in alarms are represented by their animated icons. Selecting an animated icon and viewing its parent components allows operators to learn more about the “alarm condition”.

- 6 Select **Full status** from the shortcut menu to display the error list related to one or all the components in alarm.
- 7 Select the **Double click** menu item to allow operators to modify the status of a component in alarm from the Graphic desktop. For example, if the displayed component is a door and if the **Double click** menu item was set to **Unlock**, an operator can manually open the door from the Graphic desktop.



NOTE: When you modify the Double-click feature via the Graphic desktop, the system does not save the modifications. Modify the default Double-click feature via the **graphic definition** (**Definition > Graphics, Design window, right click a component > Default dblclick menu item**). For more information on how to create graphics and on how to assign components to graphics, see “Graphics Definition” on page 115.

Chapter 12 • Reports

Entrapass software allows users to define and generate reports. These reports may be generated automatically or requested manually. Reports can be sent by e-mail.

There are three types of reports:

- **Quick reports:** these are based on selected group of events (i.e.: door, controller, etc.) and event types (normal, abnormal, etc.)
- **Historical reports:** these are historical and card use reports. The historical report type contains archived and filtered events, whereas card use reports contain events related to card use.
- **T & A reports (Time and attendance):** these are defined according to selected doors and cards defined as time and attendance.

Under the **Report** toolbar, Entrapass users may also:

- **View reports**— this feature allows an operator to select pre-defined reports to view on screen or to print.
- **View Report states**—this features allows an operator to view the status of all reports that have been previously generated.
- **Perform Manual operations** on Time and Attendance reports to add, insert, and delete Time and Attendance entries.

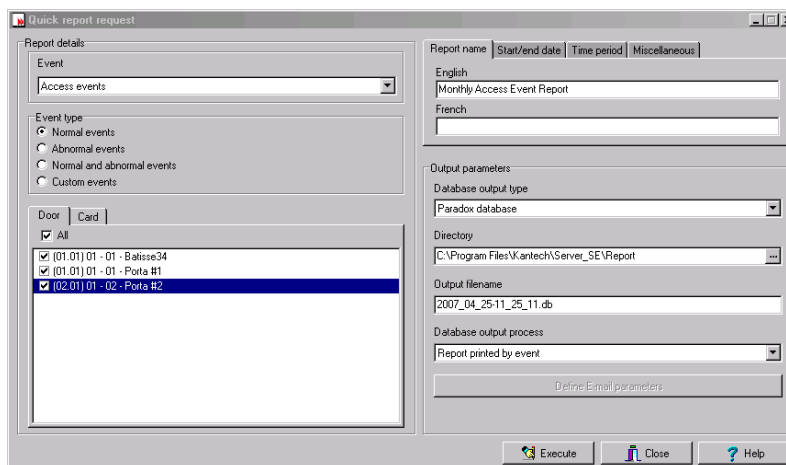
Quick Report Definition

The Quick report feature offers a rapid method of creating reports for certain types of events. For example, it is possible to create a report regarding all abnormal or normal access events in just a few seconds.

Quick report files may be viewed using the EntraPass Quick Viewer, a utility that allows users to display Quick report files and all.QRP files. These include report files that are saved from a report preview. The Quick Viewer is launched from Windows® **Start** menu, without the need to launch the software.

Defining a Quick Report

- 1 Under the **Report** toolbar, click the **Quick report request** icon.



- 2 From the **Event** drop-down list, select the event type for the current report (access, controller, door, relay, input, operator, manual operation events, etc.). If you have selected “access events”, the **Card** tab appears in the window.
- 3 Among the **Event type** options, select the event type to be included in the report.
 - **Normal**—Quick report can create reports based on normal events. In an access report, normal events would be such events as “access granted” for instance.
 - **Abnormal**—Such events as access denied (bad access level, supervisor level required), workstation server abnormal disconnection, gateway communication failure, or all events related to a process that is not complete (a controller reload failure, for example), are considered abnormal.
 - **Normal & abnormal**—Select this option to include normal and abnormal events in the report.
 - **Custom events**—Select this option to include your own events. The **Custom** tab appears when the **Custom events** option is selected. This option allows the operator to select the



components that have generated the selected events according to the setting in the “event” field.



NOTE: When you use the **Event** field, you have to specify which component(s) should be used or not used. Once you select an event (i.e. access), the system displays all the doors. If you select **Controllers**, the system displays all the controllers. Once you have selected an event (i.e. controller events), select the controllers (i.e. list of controllers) to be included in the report.

- 4 Select the **Card** tab to specify filter details about the report. The **Card** tab appears only if a card-related event is selected.

- 5 In the **Card index** drop-down list, specify the information that will be used as the filter. For example, if you select “card number”, only access events in which the defined card numbers appear will be selected.



NOTE: If you select **Card number**, the **Lower** and **Upper boundary** editable fields display the default numerical values to be replaced by card numbers. If you select **Card user name**, these fields are enabled to receive text data. For example, you can enter **A** in the **Lower boundary** field and **F** in the **Upper boundary** fields for the system to include events in which the selected door is defined and events in which the defined card numbers appear but only for card users whose names begin with A to F. If you select **All**, the editable fields are disabled.

- 6 In the **Report name** tab, enter a name for the report (this name will be displayed on your report).
- 7 In the **Start/end date** tab, enter the date and time on which the system will start to collect the events. For example, if you enter 7:00 and an event occurred at 6:00, this event will not be included. To target events that occurred during a specific time frame, use the **Time period** tab.
- 8 In the **Time period** tab, check the **Specific time frame** option to include events that match the specified time frame. Enter the target time for the report.



- 9 If you want to overwrite the previous file, select the **Miscellaneous** tab then check **Overwrite existing output file**. If you do this, the existing default output file will be replaced by this new one.
- 10 Define the output parameters:
 - **Database output type**: Select the database output format (Paradox, Dbase IV, or CSV).
 - **Directory**—Indicates where the report is saved and stored. The default folder is: C:\ProgramFiles\Kantech\Workstation_SE\Report\your file.xx.
 - **Output filename**—Indicates the output file name. By default, reports are saved on disk in C:\ProgramFiles\Kantech\Workstation_SE \Report\your file.xx. The report filename is composed of the date and time on which the report was created. You can modify the filename if necessary, but do not modify the extension.
 - **Database output process**—Select the appropriate output processes. A report template is associated with each output.
 - **Database only**: The report will be saved in the system database.
 - **Display historical report**: The report will appear on-screen.
 - **Report printed** (sequence, date or events): The report will be printed according to the specified sort order.
 - **E-mail historical report**: The report will be sent by e-mail to a specified valid e-mail address.
- 11 Click the **Execute** button to launch the report. To view the report, select the **View report** tab.

Historical Reports Definition

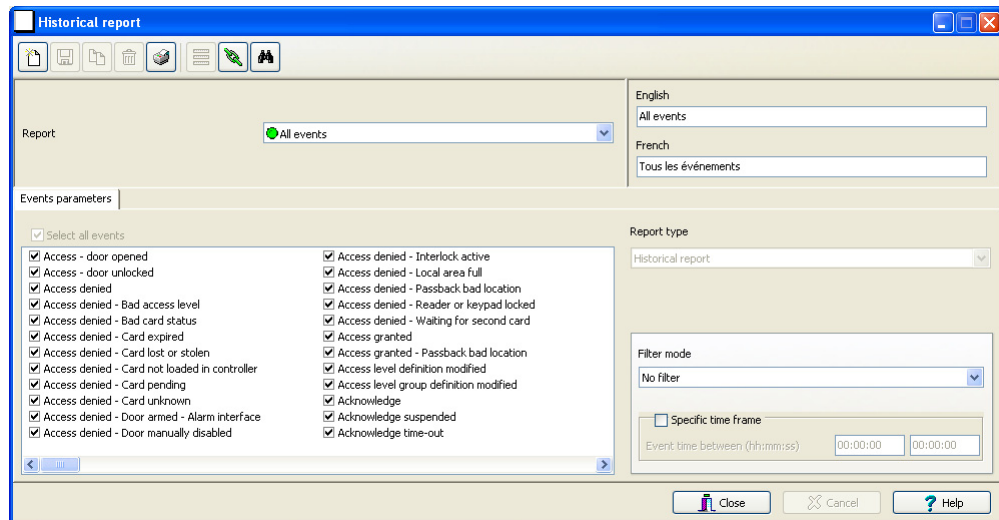
The Historical report definition feature allows users to define customized historical reports and card use reports with their own automatic execution parameters.

Reports that are defined with automatic settings are automatically generated at the specified time. However, they may be requested manually when needed. The “Historical Report Request” menu enables operators to trigger reports by overriding automatic settings. When requested manually, automatic settings are ignored.

Defining a Default “All Events” Report

You may generate a default report that will include all events. The default report is an Historical report type. EntraPass enables you to send an automatic report by e-mail.

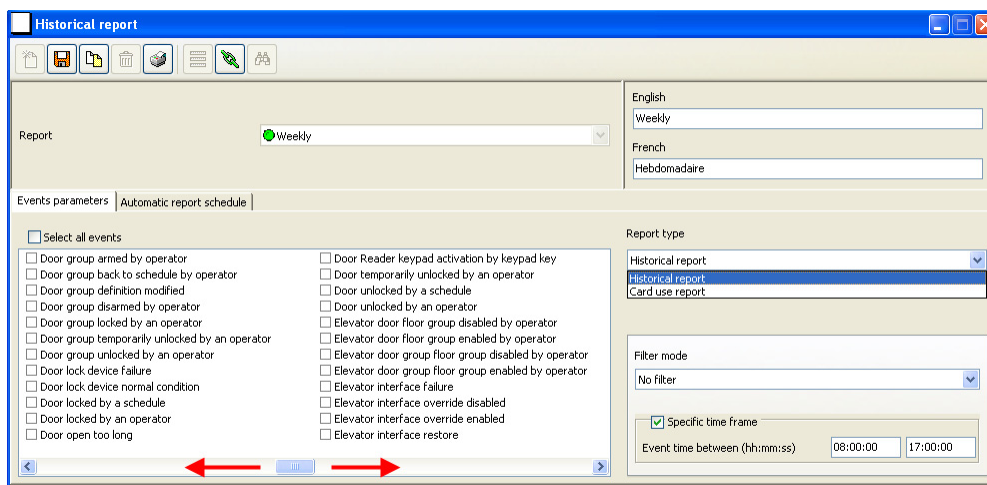
- 1 Under the **Report** toolbar, click the **Historical report** icon. The Historical report window appears.



- 2 Only the language section can be modified for the **all events** historical report.

Defining a Custom Historical Report

- 1 Under the **Report** toolbar, click the **Historical report** icon. The Historical report window appears.



- 2 To create a new report, click the **New** icon (in the toolbar) and enter the necessary information in the language section. To modify an existing report, select it from the **Report** drop-down list.
- 3 You may check the **Select all events** option. All the 307 possible events will be checked and included in the report. You may choose to check specific events that you want to include in the report. Move left or right to view the other events.



NOTE: When you select the **Historical report** type with a filter mode (**Filter mode** drop-down list), the system will display additional tabs: **Components** and **Cards** when events are selected.

- 4 **Historical Reports Only.** If you selected **Historical report**, check the **Specific time frame** option. If selected, the time frame specified will be used by the system. Only events (event time) that are within this specific time frame will be included in your report. For example, if you define 8:00 to 8:30, only events which occurred during this time frame will be included in the report.
- 5 Select the **Automatic report schedule** tab to specify details about the report. For details about defining an automatic report, see "Defining Automatic Report Schedules" on page 294.

Defining Components for a Custom Historical Report

If the selected report is a **Historical report** type and if you have selected a **Filter mode**, the **Components** and **Cards** tabs will appear **only when the corresponding events are checked**. You have to specify the components and cards that may affect the report.

- 1 *Historical Reports Only.* Select one of the 3 **Filter modes**. These filters are used to target specific events that were generated from selected components. You can select various filtering methods. When you use this field, you have to specify which component(s) and card(s) to use.

- 2 Select the event(s) or check **Select all events**.
- 3 Move to the **Components** tab. The Components window lists all the component types that have a direct link with the selected events.

- 4 Select an event type to display its items in the right-hand pane. If you select Doors, all the access system doors are displayed in the right-hand pane.



NOTE: If an item in the left-hand pane (Selected components) is selected, its color changes (turns red). When it is deselected, it resumes to the default color.

Defining Card Options for a Custom Historical Report

- 1 In the Historical report window, move to the **Cards** tab. It is displayed only when access events are selected. It is used to add more filters to your report in order to target specific events.

- 2 Select the **All Cards** option to include all cards.
- 3 Specify the information that will be used as a filter (**Filter index** drop-down list). For example, if you select “Card number”, as the filter index, only access events in which the defined card numbers appear will be selected.
- 4 From the **Filter mode** drop-down list (None, Include, Exclude), specify if the system should exclude or include the value range that you specify in the Upper/Lower boundary fields. When a filter mode is selected (**Exclude** or **Include**), the “Boundary” fields are enabled.
- 5 Enter the value range in the **Lower/Upper boundary** fields according to the selection in the **Filter mode** field. These may be, for example, alphabet letters (if the filter index is by names; or numeric, if the filter index is by card number). You could, for instance, use the card user name and specify A to F in the **Lower/Upper boundary** as the lower and upper boundaries. As a result the system will include events in which the selected door is defined and events in which the defined card numbers appear but only for card holders whose names begin with A to F.



NOTE: Users may select more than one filter for the same report using the filter index. Events will be filtered *n* times depending on how many filter indexes are defined for the report.

Defining a Card Use Report

The card use report feature is used to create reports that will list cardholders who did/did not generate events since a specific number of days or a specific date. For example, operators could request a report including “access granted” events that were generated since a specific date.



NOTE: When you select a card use report option, the *Use definition* tab appears in the Historical report window. It allows you to define the card use parameters, such as: used since a specific date, not used since 30 days before today, etc.

The system displays five event types:

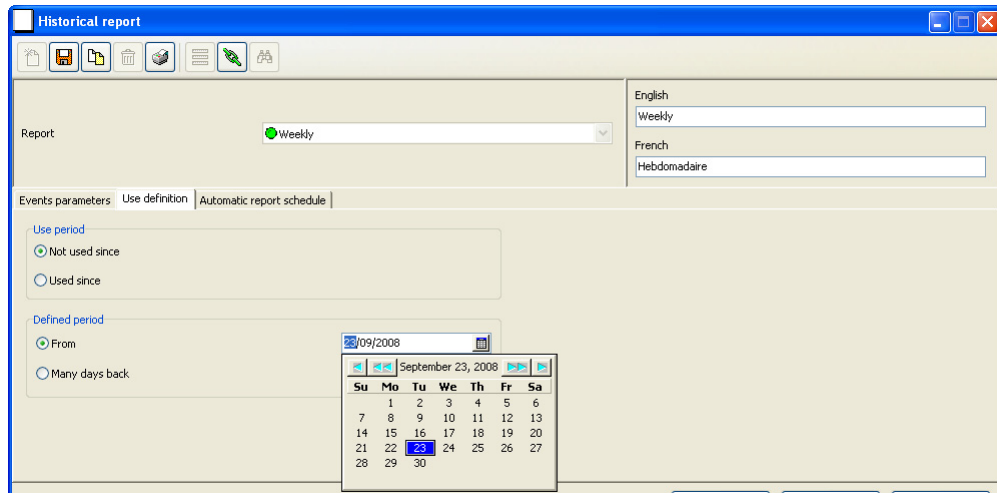
- Access denied (bad location, bad access level, bad card status, etc.)
 - Access granted
 - Database (events that have affected the database, such as card definition modified)
 - Other events
 - Time and Attendance events (entry, exit)
- 1 In the Historical report window, select a report from the **Report** drop-down list. If you are creating a new report, click the New icon in the toolbar, then enter the necessary information in the language section.

- 2 From the **Report type** drop-down list, select **Card use report**. When you select the **Card use report** type, only events related to card usage are displayed in the left-hand pane.
- 3 You may check the **Select all events** option (when it is checked the display pane is disabled), or you may select only the events you want to include in the report.
- 4 You may also check the **Process separately** option if you want the events to be processed individually for each card. For example, if you want a report for “Access denied events” and “Access granted events”, if you do not check the **Process separately** option, the report will contain all these events. When the **Process separately** option is checked the report will display Access granted events and Access denied events separately.



NOTE: The **Process separately** option appears only when the report type is a **Card use report**.

- 5 Move to the **Use definition** tab to specify the card use options (**Not used since** or **Used since**) and defined periods.



NOTE: The **Use definition** tab appears only when the selected report type is a **Card use report**.

- 6 To define the target period, check the **From** checkbox and enter a date in the **From** field. You may select a date in the calendar when you click the **Calendar** button. Alternatively, you may use the up/down controls or enter the **Number of days back**, starting from today's date.
- 7 When you have finished defining the report, save it. You may request it using the **Report request** button in the Report toolbar.
- 8 Select the **Automatic report schedule** tab to specify details about the report. For details about defining an automatic report, see *"Defining Automatic Report Schedules"* on page 294.

Defining Automatic Report Schedules

For both Historical and Card use reports

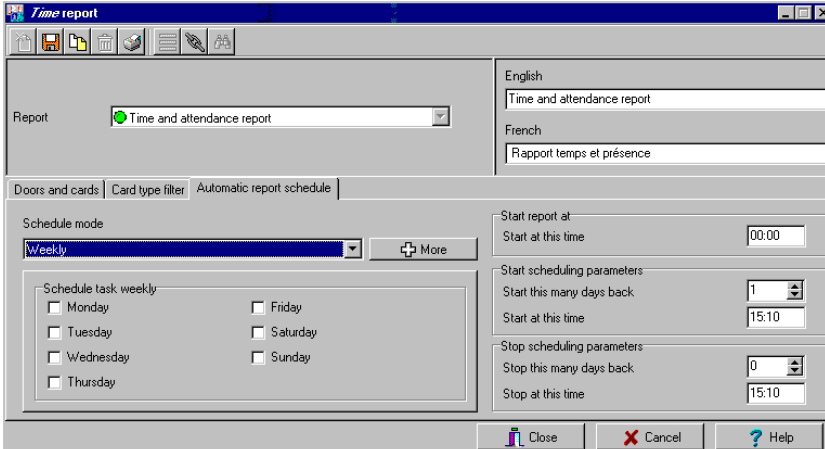
Use the **Automatic report schedule** tab to define automatic settings for your reports so they can be automatically generated when needed. These settings indicate:

- The frequency: when the report should be generated (none, weekly, monthly, once)
- The time period covered
- The output process (display, print, etc.)
- The output type (dBase, Paradox, CSV)
- The language and the filename



NOTE: Make sure that *EntraPass* is running at the time you have defined for the automatic report generation. For example, if you have set the report schedule to daily, at 00:30, *EntraPass* must be running at that time to generate the report.

- 1 In the Historical report window, move to the **Automatic report schedule** tab.



- 2 From the **Schedule mode** drop-down list, select the frequency at which the report should be executed:
 - Select **None** if you want the report to be manually requested (see *Historical Report Request*).
 - Select **Weekly** if you want a report every week. You have to check the day on which the report should be executed automatically.
 - Select **Monthly** if the report is needed once a month. You have to specify the day (ex. the second Friday of the month or the 15th day of the month) when the report will be executed automatically.
 - Select **Once** if you want the report to be executed automatically on a specified date.
- 3 In the **Start at this time** field, enter the time at which the system will start executing the report.
- 4 Specify the **Scheduling parameters**.



NOTE: These settings are **ignored** when the report is requested manually by an operator.

- **Start this many days back**—The report will start collecting events according to the number of days specified in this field. It is based on the present date.
- **Start at this time**—Once you specify the amount of days, specify the starting time (i.e.: 7:00am). For example, if you enter 7:00, events that occurred at 6:00 will not be included in the report.
- **Stop this many days back**—The report will include the specified number of days entered in this field. It is based on the present date.
- **Stop at this time**—Once you specify the number of days, specify the ending time (i.e.:5:00 pm), that is, the day on which the system will stop collecting data; you may also specify the time at which it will stop. For example, if you enter 7:00 and an event occurred at 8:00, then

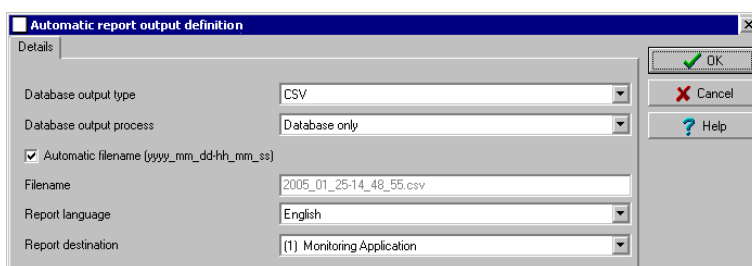
this event will not be included. To target events that occurred during a specific time frame, you have to use the **Specific time frame** option.



NOTE: The start and end time are only used for the first day and last day, for example if you start collecting events on Monday at 8:00 and end on Friday at 17:00 all events between 8:00 Monday and 17:00 Friday will be included. The system **does not use** the start and end time for each day but for the whole period.

To Specify Additional Options for an Automatic Report

- 1 Select the **More** button to add more settings to the automatic scheduled report. When you click the **More** button, the Automatic report output definition window appears.



- 2 From the **Output type** drop-down list, select the output format of the report. You may choose Paradox, Dbase IV, or CSV formats.



NOTE: From the **Database output process**, you can select **E-mail historical report** if you want this report to be automatically sent to specified recipients. If you choose this option, select the **E-mail** tab to enter the recipients' e-mail address in the **Send E-mail to** field. Entrapass enables you to protect the report by a password before e-mailing it.

- 3 You may check the **Automatic filename (...)** option. The default file name is **YYY_MM_DD-HH_MM_SS.X**, indicating the year_month_day-hours, minutes_second.file extension.



NOTE: For details on the output type and the output process, refer to the table below. It gives a comparison of the different report formats.

The following table shows the difference between these database formats and their output file formats:

Database	Description	.db	.rdf	.csv
Paradox	In addition to the traditional.db,.rdf output formats, the Paradox database generates the.px,.xg0,.xg1,.yg0,.yg1 files. These contain the indexes and are useful when using a "Paradox" database. They can also be used by the database administrator.	X	X	X



Database	Description	.db	.rdf	.csv
Dbase IV	A popular database management system format for storing data that is supported by nearly all database management and spreadsheet systems. Even systems that do not use the DBase format internally are able to import and export data in DBase format.	X	X	-
CSV	Will save the report in a comma separated values format (yourfile.csv). A data format in which each piece of data is separated by a comma. This is a popular format for transferring data from one application to another; because most database systems are able to import and export comma-delimited data.	-		X

- 4 Refer to the following table for information on the editing tools compatible with the output files. Only.db file formats can be edited.

Output file	Paradox	Dbase IV	CSV
.db, Editing tool	dBase IV, dBFast, MultiEdit, DbVista, Paradox, SmartWare and XtreeGold.	dBase III, IV, FoxPro, dBFast, DataBoss and Excel.	-
.csv, Editing tool	-	-	Excel, NotePad, WordPad, etc.
.rdf, Viewing tool	Entrapass tool (Borland Database Engine)	Entrapass tool (Borland Database Engine)	NotePad

- 5 From the **Output process** drop-down list, select the report template. It will be used with the requested report. For details on the output format, see *"Defining a Report Output Format"* on page 297.

Defining a Report Output Format

Historical and Card use reports

- 1 If you select **Database only** (*CSV, Paradox and Dbase*): The report will include the following information: event sequence, date and time, event message, description types (displays a specific number that identifies a component in the system), description names (displays the name of the component as defined in the system—name of description type number) as well as the card number (for card-related events).



NOTE: A database only report is saved in the reports folder in the specified format. It will not be printed nor displayed.

- 2 If you select **Display Historical report - Display card last transaction report** (*Paradox Only*): The report will automatically be displayed on your desktop when completed. You can customize the report before you print it manually. For more information on how to customize the report, see *"Previewing Historical Reports"* on page 313. The report will include the following



information: event sequence, date and time, event message, card number (for card-related events) and descriptions 1 to 4 which contain details on the event.

- 3 **Report printed by sequence** (*Paradox Only*): This report is sorted by event sequence number (order in which they were generated by the system) and printed automatically at the printer.
- 4 **Report printed by date and time** (*Paradox Only*): This report is sorted by date and time and printed automatically at the printer of the destination workstation.



NOTE: *The printed reports (option three and four) will be saved in the reports folder in the specified format. They will also be printed but not displayed.*

- 5 **Report printed by event** (*Paradox Only*): This report is sorted by event message (alphabetically) and printed automatically at the printer. The report is saved in the reports folder in the specified format, but not displayed.

Time and Attendance Reports

Time and attendance reports will be saved in the reports folder, they are not printed nor displayed. User have to manually retrieve the report to view it, they can also use the “View Report” menu.

- 1 **Single file with all data** (*CSV only*): The report is generated in one file containing the data and the descriptions (date & time, transaction ID, card number, card user name and door description).
- 2 **Database with transactions** (*CSV, Paradox & DBase IV*): The report is generated with all the data and transactions in one single file. It includes the date & time, the transaction ID, the card number and the card user name.
- 3 **Display time and attendance report** (*Paradox only*): The report will automatically be displayed on the desktop when completed. You can customize the report before you print it manually. It contains: the card number, card user name, entry time, exit time, contents of the card information field as selected in report definition and total hours per cardholder. For more information on how to customize the report, see “*Previewing Time and Attendance Reports*” on page 314.
- 4 **Two (2) databases with all data** (*Paradox & DbaseIV*): the report will be generated in two separate files:
 - **One file containing:** date, time, event message (transaction type), pkcard, pkdoor, pkdoorgroup.
 - **One file containing:** pk description (explaining pkcard, pkdoor and pkdoorgroup), card number, object and contents of card information field selected in the report definition menu.



NOTE: *Pk refers to a component unique number within the system*

- 5 **Single database with all data** (*Paradox & DbaseIV*): The report will be generated in one file containing the data and the descriptions (date and time, transaction ID, card number, card user name, door description and sequence).
- 6 **CSV compilation time and attendance** (*CSV Only*): The report will be generated in two files. One file containing a total, of hours for instance, by department, and the other file containing detailed information. Depending on the number of days covered by the report, a “day” column will be reserved for each day.
 - **Automatic filename**—Select this feature if you want the system to automatically use the date and time as the filename. You cannot use the “overwrite existing output file” when you use this option.



- **Filename**—If you wish to overwrite the same report (for example—every week), you can enter a filename here and when the report will be executed according to specifications, the new report will replace the oldest report.
- **Destination**: this is where the report should be sent/printed automatically. You can also use the **Overwrite existing output** option to specify a different destination file.
- **Report language**—This field is used to include additional information in your report. Select from the displayed list.

Requesting Historical Reports

With this feature operators can request pre-defined **Historical reports** or **Card use** reports that were created using the Historical Report menu. Operators can also e-mail the report to one or multiple recipients.



NOTE: *If your report contain automatic settings, these will be ignored. You must indicate new settings.*

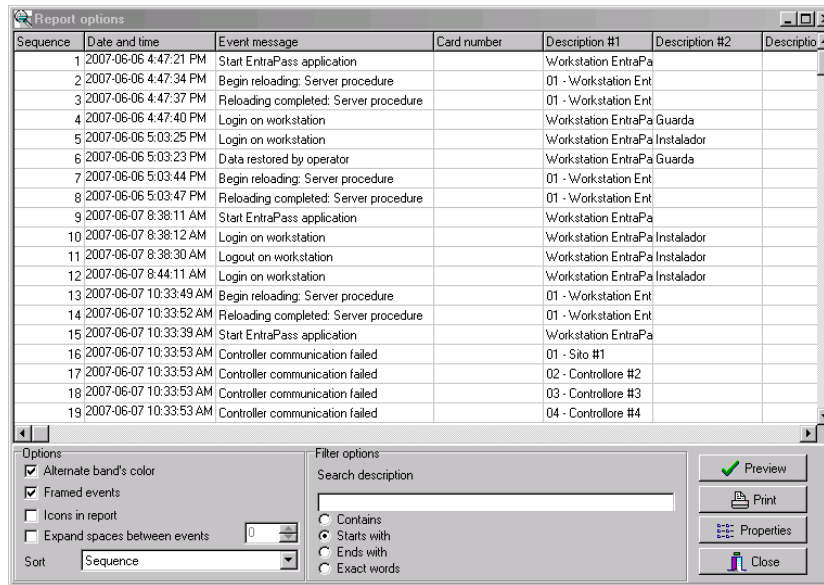
- 1 Under the **Report** toolbar, click the **Report Request** icon. The Report request window appears.

- 2 In the **Report list** display pane, select the report that you want to execute.
- 3 You may define **output parameters**, including the **database output type** format (Paradox, DBase IV, CSV, PDF, Excel, RTF or Text), the target folder, the output filename, etc. For more information on how to select an output format, see *"Defining a Report Output Format"* on page 297.



NOTE: *If a Card use report is selected, the "Date and time" section is disabled.*

- Click **Execute**. A system message informs you that the report is being processed. The Report options window appears and is then minimized to the task bar.

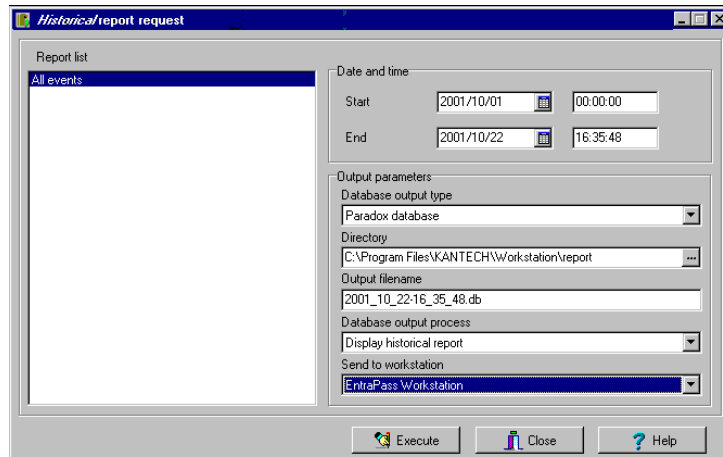


- Select the **Preview** button to define the report and filter options. This will increase the readability of the report by adding, for instance, alternating band colors, framing events, icons in the reports, etc., or by sorting events in the report (by event ID number, alphabetical order or date and time).
- Enter the **description** in the **Search description** field. The report is updated in real-time when you enter a filter option.
- You may use **Preview** to preview the report or the **Properties** button to view details about the report. When you click the **Preview** button, the system will display the result of the report. From that window, you can save the report (in a.QRP format) or print the report.



Requesting an Event Report

- 1 Under the **Report** toolbar, click the **Report request** icon. The Historical report request window appears.



- 2 Specify the **Start** and **End** time. By default, the end date and time are set to the system time.
- 3 You may specify the output parameters or leave these to default.



NOTE: It is important to know the differences among the output type and processes. For details, see "Defining a Report Output Format" on page 297.

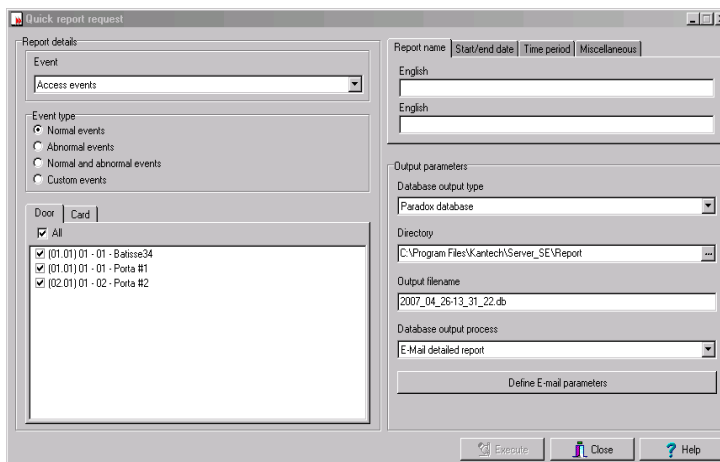
- 4 You may select the **Report state** icon from the toolbar to view the report status.
- 5 Select the **View report** icon from the toolbar to view the report. The default report name is YYYY_MM_DD_-HH_MM_SS.db.

E-Mailed Reports

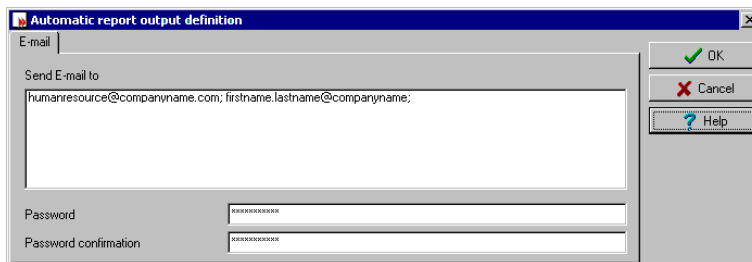
EntraPass allows you to e-mail any report to one or more recipients. The e-mail feature is enabled when defining an EntraPass workstation and when specifying the report database output format. Historical, time and attendance and quick reports can be sent by e-mail to any valid e-mail address.

Defining a Report to E-Mail

- 1 Under the **Report** toolbar, select **Quick report request**, **Report request** or **T and A request**.



- 2 In the **Report List**, select the report you want to e-mail.
- 3 Define the report's parameters.
- 4 In the **Database Output Process** drop down menu, select the **e-Mail (detailed, summary or statistics) report** you want to send.
- 5 Click the **Define E-mail parameters** button to open the Automatic report output definition window.



- 6 In the **Send E-mail to** enter the recipient's e-mail address. For multiple recipients, addresses are separated by a semi-colon.

- 7 Click **OK** to close this window.



NOTE: *Sending reports does not compromise the security of your data. In fact, EntraPass allows you to protect rpf files with a password. Only recipients with the correct password will be able to access the file. You cannot set a password to CSV files.*

- 8 Click the **Execute** button to send the report to the specified recipient. The report will be sent to the workstation selected in the Send to workstation drop-down list and to the specified recipients.

Time and Attendance Reports Definition

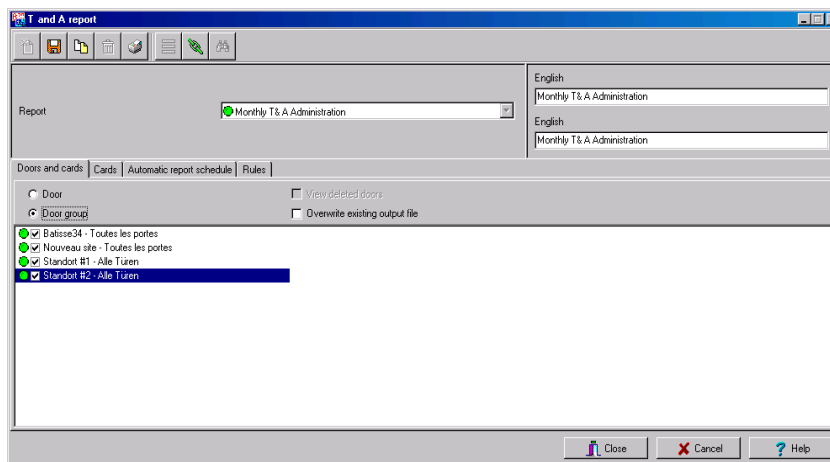
This feature is used to define customized time and attendance reports with automatic execution parameters.



NOTE: Reports can be defined with **automatic settings** so they are generated when you need them or can be requested **manually** using the “Time and attendance report request” icon. When requested manually, automatic settings are **ignored**.

Defining Time and Attendance Reports

- 1 Under the **Report** tab, click the **T & A Report** icon.



- 2 If you select the **Doors** option, only the doors defined as “Time and attendance” doors (in the Door definition menu) are displayed. Check the **View deleted doors** to add deleted doors to the list. When you select the **Door group** option, the **View deleted doors** option is disabled. The system displays the door groups of your system; then you may select one.
- 3 Check the **Overwrite existing output file** option if you want the system to replace the existing file. If you leave this option unchecked, the system will create another output file.

- 4 Select the **Card** tab to add other filters for the report.

The screenshot shows a software window titled "and A report" with several tabs: "Doors and cards", "Cards", "Automatic report schedule", and "Rules". The "Cards" tab is active. At the top, there's a "Report" dropdown menu set to "Monthly T&A Administration". To its right, there are language selection options for "English", "French", and "Monthly T&A Administration". Below the tabs, there's a section for "Additional information" with a dropdown menu set to "None". Underneath, there are fields for "Card number" (set to "None") and a range of "00:0000" to "00:0000". A table with four columns is visible: "Filter index", "Filter mode", "Lower boundary", and "Upper boundary". The table contains several rows for filtering card information.

Filter index	Filter mode	Lower boundary	Upper boundary
Card user name	Include		
Información de la tarjeta #1	Include		
Información de la tarjeta #2	Include		
Información de la tarjeta #3	None		
Información de la tarjeta #4	None		
Información de la tarjeta #5	None		
Información de la tarjeta #6	None		
Información de la tarjeta #7	None		

- 5 Select a filter index, then select a filter mode (**None**, **Include**, **Exclude**). If you have selected a filter index, select the filter mode and enter the value range in the **Upper/Lower boundary** fields. To include all the fields, leave the filter mode to **None**. For example, if you select Card number as the Filter index, leave the filter mode to **None** so that all events triggered by cards will appear in the report.
- 6 To add information in the sort criteria, select an item from the **Additional information** drop-down list.

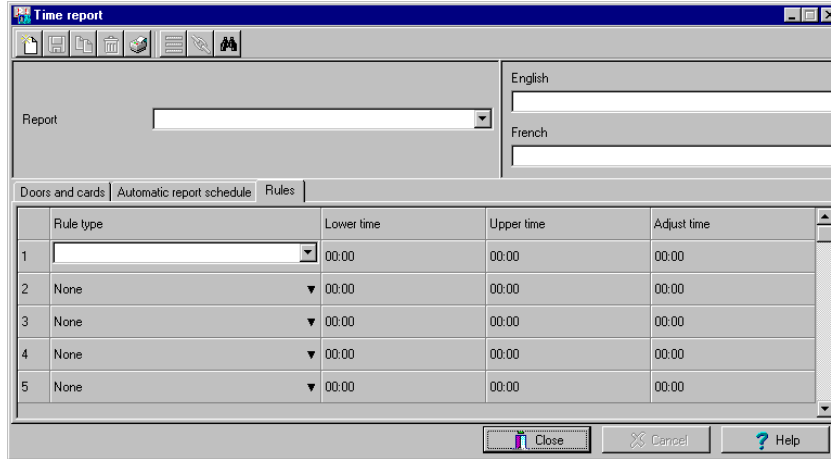


NOTE: Repeat these steps for all the card information fields that are listed in the filter index field. You could use the card user name and specify A to F in the **Upper/Lower boundary** fields for the system to include events in which the defined card numbers appear but only for card users whose names begin with A to F (G and up will not be included even if the card number is included in the range).

- 7 Select the **Automatic report schedule** tab to specify information for automatic reports. For details, see "Defining Automatic Report Schedules" on page 294.



- 8 Select the **Rules** tab to define the rules of time and attendance in employee time reports. Rules can be created to define periods of time as specific values. For example, all employee entries between 7:50 AM and 8:15 AM can be defined as the value of 8:00 AM on reports.





Time and Attendance Reports Request

The Request Time and attendance reports feature is used to request the pre-defined Time and attendance reports that were created using the Time and Attendance Report Definition menu. This feature is useful when you want to override automatic settings.



NOTE: If the report contains automatic settings, these will be ignored.

Requesting a Time and Attendance Report Manually

- 1 Under the **Report** tab, click the **T and A Request** icon. The T and A Request report window appears.

- 2 From the **Report list** display pane, select the Time and Attendance report that you want to execute.
- 3 Specify **Date and time** as well as the **Output parameters**.
- 4 Click **Execute** to trigger the report.



NOTE: For the Paradox output type, the system displays a report preview window. For other output formats, you will have to retrieve the report manually since it is not printed or displayed. To view all the reports that have been generated, use the View report button in the Report toolbar. For details on reports output formats, see "Defining a Report Output Format" on page 297.

Operations on Time and Attendance

Use the Operation on Time and Attendance feature to manually insert, add or delete Time and Attendance transactions in the database. This feature is useful for an organization using the Time and Attendance feature for the payroll system, for instance.

Adding a Transaction in the Time and Attendance Database

- 1 Under the **Report** tab, click the **Operation on T and A** icon.

Delete	Date	Time	Transaction	Door
<input type="checkbox"/>	2007-04-26	14:48	Manual entry	(02.01) 01 - 02 - Porta #2

- 2 Enter the **Card number** for which you want to modify the Time and Attendance transactions, then click the **Load** button. If you do not know the number, use the **Find** button.



NOTE: The card number field is mandatory to start loading.

- 3 Select the **View deleted transactions** option if you want to view the transactions that were previously deleted. Deleted transactions are marked with an "X" in the **Delete** column.
- 4 Check the **Find deleted cards** option if you want to find the deleted cards. This does not apply to entries that were added manually.
- 5 Specify the **Start date**, the day on which the system will start to collect the events, by clicking the **Calendar** icon and selecting a specific date. Only events that occurred on this date and after are displayed.



NOTE: The Start date is mandatory to start loading.

- 6 Specify the **End date**, that is the day and time on which the system will stop collecting events. Only events that occurred on the specified date and before are displayed. If you do not specify an end date, the system will include all the data up to the present day time.
- 7 In the **Site** drop-down list, select the appropriate site to view the Time and Attendance doors.



NOTE: The gateway is mandatory to start loading.



- 8 You may check the **All Doors** option, then all the doors displayed under this field will be selected. You may also select specific doors. All the Time and Attendance events that were generated for the selected doors will be displayed.
- 9 Check the View deleted doors option so that even doors that are no longer defined as time and attendance doors (but that have been defined as time and attendance) will be displayed.



NOTE: *Doors are mandatory to start loading.*

- 10 Enter the necessary information in the transaction table. The transaction table displays the transactions for the selected cardholder:
 - The **Delete** column indicates transactions that have been deleted (if the **View deleted transactions** option is checked). These are identified by an X.
 - The **Date** column indicates the date on which the transaction occurred. Use this field to specify the date when you manually insert a new transaction.
 - The **Time** column indicates the time at which the cardholder entered or exited an area. Use this field to specify the time (entry or exit) when manually inserting a new transaction.
 - The **Transaction** column indicates the transaction type. For every entry transaction, there should be an exit transaction.
 - **Entry**—indicates that this is an entry transaction generated when a cardholder presented his/her card at a door defined as entry.
 - **Exit**—Indicates that this is an exit transaction generated when a cardholder presented his/her card at a door defined as “Exit”.
 - **Manual entry**—Indicates that this is an entry transaction that was manually inserted or added in the system. When you manually insert a transaction, you have to specify if this transaction is an “Entry” transaction or an exit transaction. For every entry, there should be an exit.
 - **Manual exit**—Indicates that this is an “exit” transaction that was manually inserted or added in the system. When you manually insert a transaction, you have to specify if this transaction is an entry transaction or an exit transaction. For every entry, there should be an exit.
 - The **Door** column indicates which door was accessed by this user. When you manually insert a transaction, you have to specify the door according to the transaction type (Entry or Exit).



NOTE: *If you are inserting an entry transaction, only doors defined as “Entry doors” will be displayed in the list. If you are inserting an exit transaction, only doors defined as “Exit doors” will be displayed in the list.*

- 11 Click the **Load** button to load the transactions from the server for this cardholder. You have to enter the card number, select the site and door(s), then click the **Load** button. The button is disabled once you have loaded the transactions.
- 12 Click the **Add** button to add a transaction to the existing transaction list. The new transaction will be added at the end of the list.
- 13 Use the **Insert** button to insert a transaction between existing transactions or above any transaction.



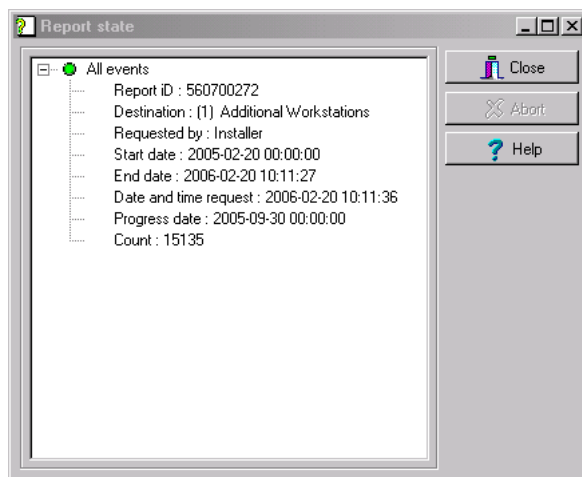
14 Click **Cancel** to cancel any insertion or modification that was made BEFORE saving.



NOTE: *When you delete a transaction that was added manually, it is permanently deleted from the list; as opposed to transactions that were generated by controllers. When they are deleted, they are identified by an X in the Deleted column.*

Report State

Use the **Report state** feature to display a list as well as the status of all requested reports that are still pending.



- 1 To delete/stop a pending report, select it, then click **Abort**.

Reports Viewing

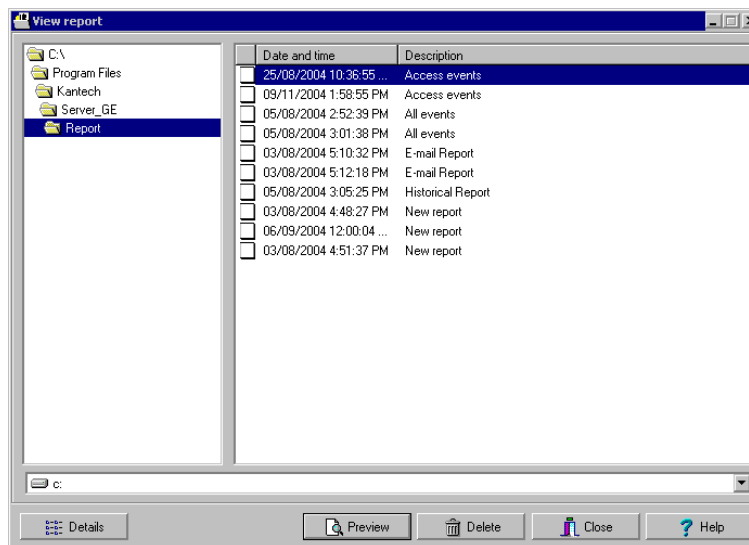
The View Report feature enables users to view the reports that were defined and saved in the system. Operators can use it to view reports in any format, or to customize a report before printing it.



NOTE: When you create a report (csv, db or dbf), the system automatically creates an associated rdf file. This rdf file is the one that is listed in the View report window. When you click “Preview”, the system automatically launches the appropriate program to view the report.

Displaying a Report

- 1 Under the **Report** toolbar, click the **View report** icon. The system displays the default destination folder. If the report was saved in a different folder, browse the disk, using the scroll-down arrow (bottom of the window) to the report you want to display.



- 2 Select the report you want to view. If there is a printer installed, the **Preview** button is enabled. It is used to preview the report before printing it.



NOTE: You *must* have a printer installed on your computer in order to preview or print reports. To setup a printer, click on **Start > Settings > Printers > Add Printer**. For more information, consult your system administrator.

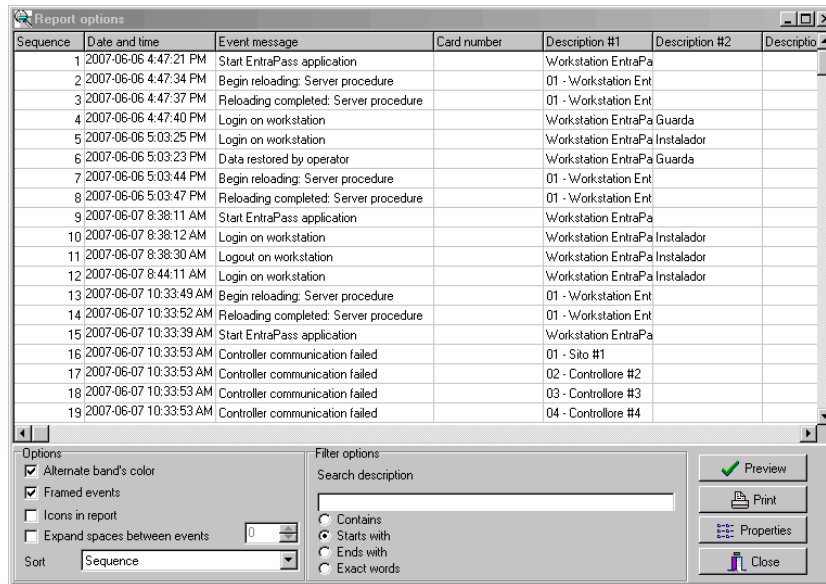
- 3 Click the **Details** button to display information about the report. If you click the **Details** button, the Report details window appears, displaying information related to the selected report file such as the report filename, title, type, date, etc. To close the Report details window, click the **Details** button again.
- 4 Click the **Preview** button to view the report in the system displays the Report preview window.



Previewing Historical Reports

- 1 From the **View** report window, select the report you want to view in the right-hand pane. If you select an historical report generated by Paradox, the Report Options window will display allowing you to customize your report before printing it.

NOTE: If you select a CSV type of report, the report will be generated in a WordPad window, in text format.



- 2 Define the filter options: enter a text string in the **Search description** field. The report will be sorted leaving only events containing the specified text string. You may refine your filter:
 - **Contains:** All events which contain the specified text will be included in the report.
 - **Starts with:** All events which start with the specified text will be included in the report.
 - **Ends with:** All events which end with the specified text will be included in the report.
 - **Exact words:** All events containing the exact specified text will be included in the report.
- 3 Click **Preview**. The system displays the result of the report. From that window, you can save the report (in a.QRP format) or print the report.
- 4 Click **Properties** to access the Reports details window where detailed information is displayed:
 - **Report filename:** Displays the whole path where the report was saved as well as its name.
 - **Report title:** Displays the title of the report.
 - **Start date:** Reports are created for a selected time frame. This option specifies the starting date of this time frame.
 - **End date:** Reports are created for a selected time frame. This option specifies the ending date of this time frame as well as the time.
 - **Requested:** Displays the date and time at which the report was requested.



- **Delivered:** Displays the date and time at which the report was produced and printed.
- **Requested by:** Displays the name of the operator that requested the report.
- **Count:** Displays the number of transactions (lines) in the report.
- **Output process:** Displays a list of the possible templates used for this report.

Previewing Time and Attendance Reports

- 1 In the **View report** window, select the report you want to view. If the selected report was defined as a “Display Time and Attendance Report” and “Paradox Database” as the output format, the following window appears.

Time and attendance report

Report details

Report start date: 2001/09/01 12:00:00 AM
Report end date: 2001/09/13 12:11:21 PM
Operator: KANTECH
Database records: 0

Report requested

Group by: Card User Name
Sort by: User name
Report type: Details with total

Record count: 0 Report loaded

- 2 Select the display options:
 - **Group by**— Select this option for easier management. The report data may be grouped by card user names or by card numbers.
 - **Sort by**—You may choose a sort order, by user names, or by card numbers.
 - **Report type**—Select this option for easier management. You may choose to include details with or without total.
- 3 Click **Preview** to display the result of the report. From that window, you can save the report (in.QRP format) or print the report.

Chapter 13 • EntraPass Options

The **Options** toolbar offers users the ability to change a number of system parameters. These include changing the card format, the date and time, or changing server parameters.

- Select a default card format
- Select a language
- Setup printer option
- Change the system date and time
- Setup the multimedia devices
- Modify the system parameters
- Schedule automatic backups
- Configure printer options (log and badge printers)
- Configure multimedia devices (alarm, video and signature capture settings)
- Configure custom Messages
- Server full database check
- Workstation full database check

Default Card Format Selection

The EntraPass system can accommodate various reader types. Depending on the reader type, the card display format may vary. The Card format dialog allows you to select the default format that will be setup automatically when creating a new card.

Defining a Card Display Format

- 1 Under the **Options** toolbar, click on the **Card format** icon.

NOTE: *The Card #2, Card #3, Card #4, Card # 5 sections are deactivated when the Advanced User option is chosen.*



- 2 Select a card format for **Card #1**.
 - **Decimal**—Refers to numbers in base 10.
 - **Octal**—Each octal digit represents exactly three binary digits. An octal format refers to the base-8 number system, which uses eight unique symbols (0, 1, 2, 3, 4, 5, 6, and 7). Programs often display data in octal format because this format is relatively easy for humans to read and can easily be translated into a binary format, the format used in computer programming.
 - **Hexadecimal**—Each hexadecimal digit represents four binary digits. An hexadecimal format refers to the base-16 number system, which consists of 16 unique symbols: the numbers 0 to 9 and the letters A to F. For example, the decimal number 15 is represented



as F in the hexadecimal numbering system. The hexadecimal system is useful because it can represent every byte (8 bits) as two consecutive hexadecimal digits. It is easier for humans to read hexadecimal numbers than binary numbers.



NOTE: *The 17, 18, 19 and 20 digits will be compatible with EntraPass in a future version.*

- 3 Check the **Use multiple card format** box if your environment contains multiple reader types and you would like to have the capability to select a different reader, that is not the default reader, when creating a new card.
- 4 Select one of the **Duplicate PIN process** in the scrolling box. This feature can be used for example while loading cards in a batch. An operator may decide to set the PIN option to allow duplication. Later, if desired, the duplicate PINs can be changed to prevent confusion.
 - **No duplication:** a warning appears on the workstation, the PIN field will be reset to the value you are attempting to duplicate and will be enabled, inviting you to enter a valid PIN. Only PIN 00000 will be duplicated regardless of the PIN setting option.
 - **Notify when duplication:** the server verifies if this PIN already exists. If the PIN exists, a message box appears, indicating that the PIN exists. A **Details** button will allow operators to view a list of cardholders who were issued this PIN.
 - **Duplication:** no test will be processed, the PIN will be accepted even if it is a duplicate.
- 5 Under the Global card format for **KT-100**, **KT-300** and **KT-400**, select the appropriate option to coordinate with the selection in the upper section of the dialog.
 - **24-bit Wiegand card, 5-digit PIN (KT-200 default):** for up to 24-bit for KT-100, KT-200, KT-300 and KT-400.
 - **32-bit card, 5-digit PIN:** for up to 32-bit for KT-100, KT-300 and KT-400.
 - **24-bit Wiegand card, 6-digit PIN:** for up to 24-bit for KT-100, KT-300 and KT-400.
 - **Up to 16 characters ABA card,** 6-digit PIN: for up to 16 for KT-100, KT-300 and KT-400.



NOTE: *KT-100, KT-300 and KT-400 controllers will do a hard reset on card format change. Avoid alternating between different card formats because this may result in lost card information.*

System Language Selection

EntraPass allows you to run the software in the language of your choice. The basic languages are English, French, Spanish, German and Italian. The Vocabulary Editor utility enable users to add other custom languages.

Changing the System Language

- 1 From the EntraPass main window, select the **Options** toolbar, then click the **Select language** icon.



NOTE: When you modify the primary language, the database operation will be suspended during the operation and the changes will be effective only when you shutdown and then restart the system. The database language will be modified according the ascii values of the characters in the primary language. Accents and special characters of different languages may have an impact on your database.

- 2 From the **Select primary language** drop-down list, select the language you want to use as a primary language. From the **Select Secondary language** drop-down list, select the language you want to use as a secondary language.
- 3 Log out of EntraPass and login again.

Printers Selection and Configuration

The **Printer options** dialog that can be accessed under the **Options** toolbar allows users to select a log printer that will be used when printing events and to select a report or a badge printer.

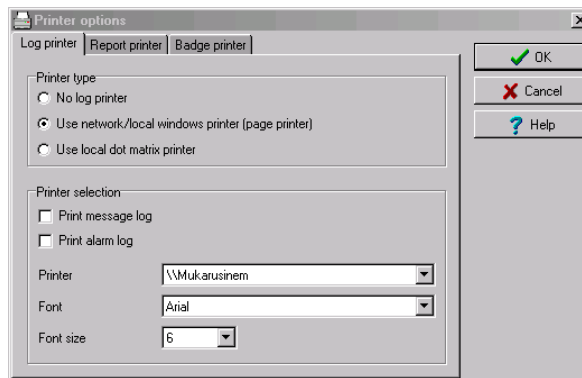
Selecting and Setting Up a Log Printer

When you define events (in the **Events parameters** definition menu), it is possible to determine how and when events will be printed. For example, you can decide to dispatch events to an EntraPass application, a printer, or to activate a relay. Your decision may be based on, for instance, schedules that will send alarms to a remote terminal at a specific moment.



NOTE: You need to assign a “print” schedule to certain events to print them at a specified time.

- 1 From **Printer options** dialog select the **Log printer** tab.



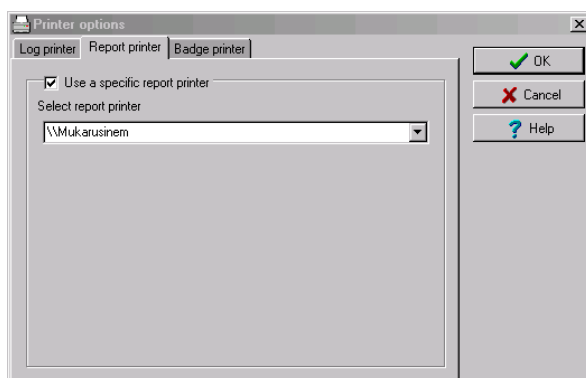
- 2 Select a printing option in the **Printer type** section:
 - **No log printer**—If you select this option, no event will be printed, even if a print schedule is defined for the events.
 - **Use Network/Local Windows® printer (page printer)**—If you select this option, all events sent to the printer will be buffered and printed when a full page is ready to be printed. Events will be printed on the network/local printer - not on a specific log printer.
 - **Use local dot matrix printer**—If you select this option, all events sent to the printer will be printed one-by-one and one under the other, or it will print one event per page, depending on your printer type. Select the printer port that will be used in the “printer” field. Specify if messages and alarms will be printed on this printer.
- 3 In the **Printer selection** section, specify whether you want to print message or alarms.
 - **Print messages log**—If you select this option, all events that are assigned a “display” schedule in the events parameters menu will be printed.
 - **Print alarms logs**—If you select this option, all events that are assigned an “alarm” schedule (and need to be acknowledged) in the events parameters menu will be printed.
- 4 From the **Printer** drop-down list, select the specific printer that will be used as a log printer.

- If you have selected a **dot matrix printer**, select the **Port** on which the printer is connected to communicate with the computer. The **Port** field appears when a dot matrix printer is selected.
- If you are using a **network/local printer**, select the **Font** and the **Font size**. The font and font size influence the number of events that will be printed on one page. Using a smaller font increases the number of events printed on a page.

Selecting and Setting Up a Report Printer

The Report printer will be defined to print reports

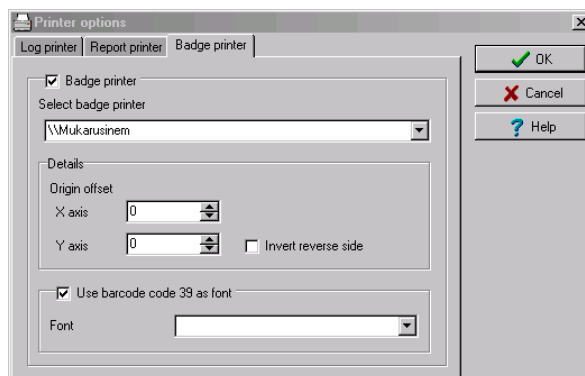
- 1 From the Printer options window, select the **Report printer** tab.



Selecting and Setting Up a Badge Printer

The Badge printer will be defined to print badges that are created in EntraPass.

- 1 From the Printer option window, select the **Badge printer** tab.



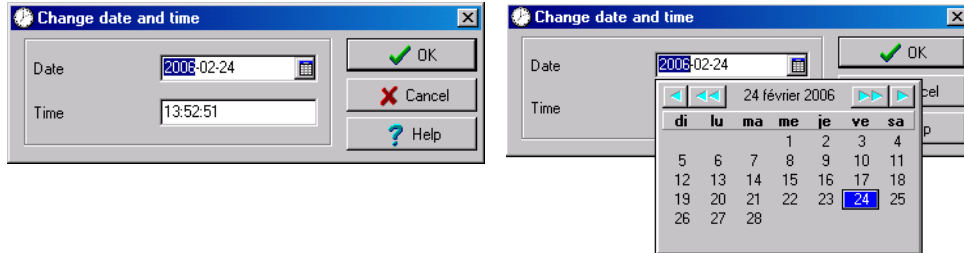
- 2 Check the **Badge printer** option if a badge printer will be used; as a result, the Print badge and Preview badge button will be displayed in the Card window.

-
- 3 From the **Select badge printer** drop-down list, select the appropriate badge printer.
 - 4 If you want the picture on the reverse side of the badge to be inverted, click the **Invert Reverse Side** box.
 - 5 Check the **Use barcode 39** as font when appropriate, and select the corresponding **Font**.

System Date & Time Modification

The **Change system y** option should be used with caution and only when necessary; this functions may affect logical components of the access system (i.e. schedules, etc.).

- 1 From the Option main window, select the **Change System date and time** icon.



- 2 Enter the date in the **Date** field, or select a date from the calender. Connected components of this application will also receive the date change notification.
- 3 Enter the time in the **Time** field. Connected components of this application will also receive the time change notification.
- 4 Click **OK** to exit.

IMPORTANT NOTE: You should not change the time using Windows® settings. It is strongly recommended to change the system time through the server parameter settings.

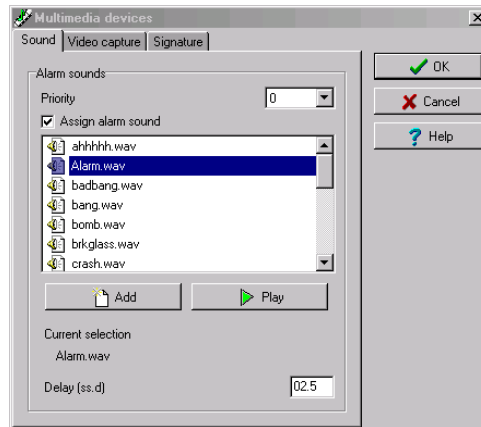
Multimedia Devices Configuration

The Multimedia devices utility allows you to set up your system multimedia objects:

- Alarm sound
- Video capture devices
- Signature capture devices

Selecting an Alarm Sound

- 1 From the Options main window, select the **Multimedia devices** icon.



- 2 Check the **Assign alarm sound** option if you want an alarm sound notification.
- 3 Select a sound from the displayed list.
- 4 Select a **Priority** level for the selected sound so that it is played when an alarm defined with this priority is sounded.



NOTE: The **Priority** level refers to the order in which alarm messages are displayed in the Alarm desktop. In Entrapass, 0 is associated with the highest priority, and 9 to the lowest. For more information, see "Event Parameters Definition" on page 243.

- 5 Click the **Play** button to listen to the selected sound. The system will play the selected sound.
- 6 Click the **Add** button to add a new sound from your personal files. Clicking on this button displays a new window allowing you to add new alarm sounds.

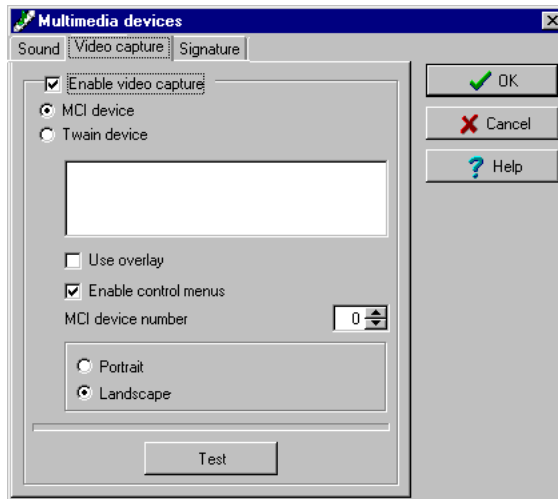


NOTE: The **Current selection** section displays the sound currently selected (in use). You can adjust the delay of the alarm sound in the **Delay** field.



Defining Video Options

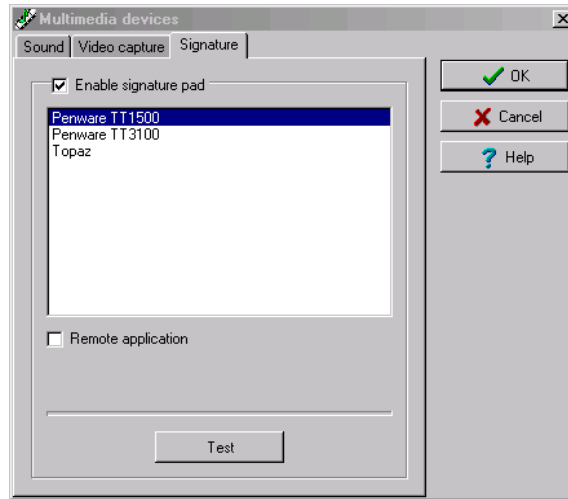
- 1 From the Multimedia devices window, select the **Video capture** tab.



- 2 Check the **Enable video capture** box to enable the video capture options in your system.
 - **MCI device**: Standard Windows® capture drivers.
 - **Twain device**: Twain capture drivers. (Recommended).
 - **Use overlay**: Option activated for image capture devices.
 - **Enable controls menu**: Activates options (such as zoom, pan and tilt) on image capture devices, if applicable.
 - **MCI device number**: Select identification number of MCI device.
 - **Portrait**: Enables portrait orientation of captured images.
 - **Landscape**: Enables landscape orientation of captured images. (Default value).
- 3 Click the **Test** button to verify if the video camera is functional.

Setting Up the Signature Capture Device

- 1 From the Multimedia devices window, select the **Signature** tab.



- 2 Check the **Enable Signature pad** option to enable the use of a signature pad device.
- 3 From the displayed list of supported Signature pad devices, select the driver for the signature pad you want to use.
- 4 Check the **Remote application** box if the signature device is setup as such.



NOTE: The **Test** button allows you to check if the driver selected is functional. When you click the **Test** button, the **Signature Pad Test** window appears. This window appears whenever you choose the **Signature pad** option (Card definition windows).

System Parameters Configuration

The System parameters dialog allows the System Administrator to modify parameters that define the EntraPass system.

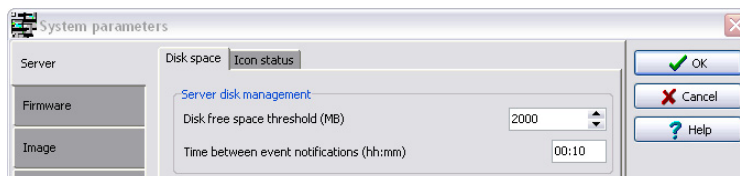
Parameters have been grouped together under different labels such as Firmware, Image, etc.

Server Parameters

Under the **Server** tab, you will define disk space threshold and icon status.

Disk Space

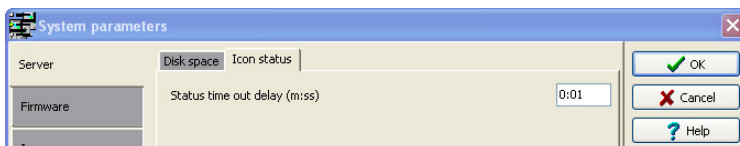
The Disk Space feature has been developed as a protection against system failures that may be caused by the lack of disk space. This feature allows you to monitor the amount of free disk space for optimal system operation or for generating reports. In fact, EntraPass offers the ability to have the system abort the execution of a report if the free disk space has reached a specified threshold.



- **Disk free space threshold (MB)** scroll-down list: specify a disk space threshold that indicates when you want the system to send a warning when the amount of free space falls below the value indicated. This value is in mega bytes. The range value is 2000 up to 99999 MB.
- **Time between notifications (hh:mm)**: enter the amount of time between notifications when the disk free space has reached the quota specified in the **Disk space threshold** field. For example, if you enter 00:30 in the field, a system warning will be displayed every half an hour. The time range value is 00:10 to 24:00.

Icon Status

The **Status time out delay (m:ss)** parameter allows you to define a period of time before the workstation queries the server for the latest icon statuses. The higher the delay, the lower the icon refresh rate will be therefore creating less traffic on the network. The maximum time out delay is 1 min. 30 seconds.

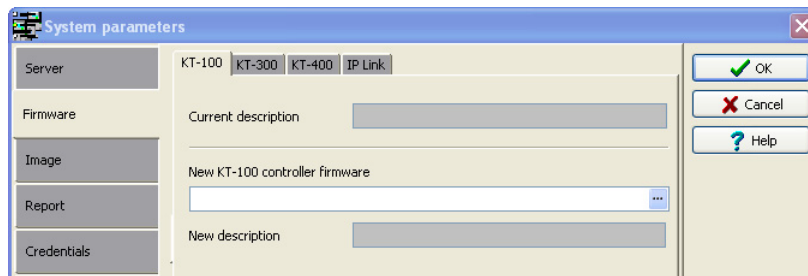


Firmware Parameters

This section contains all the information pertaining to controllers, gateways and IP communication module, as well as the section to update you firmware.

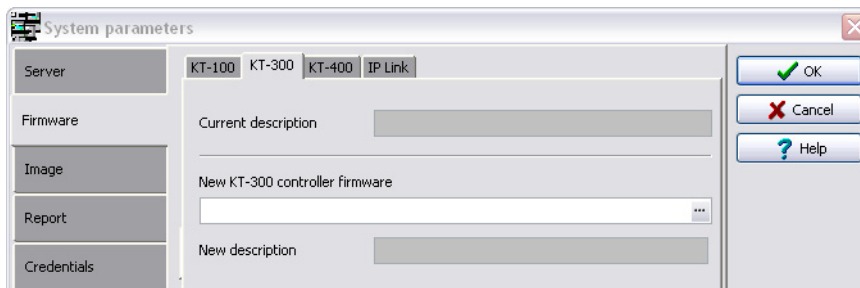
KT-100

The **KT-100** tab specifies the location of the folder containing the firmware for KT-100 controllers. The system will use this data to update the installed controllers.



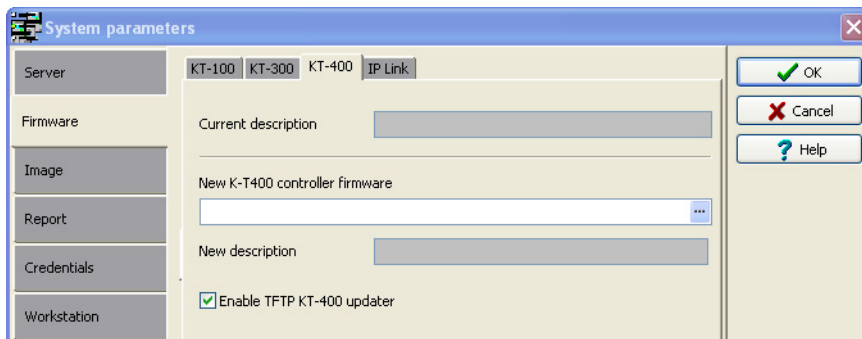
KT-300

The **KT-300** tab specifies the location of the folder containing the firmware for KT-300 controllers. The system will use this data to update the installed controllers.



KT-400

The **KT-400** tab specifies the location of the folder containing the firmware for KT-400 controllers. The system will use this data to update the installed controllers.



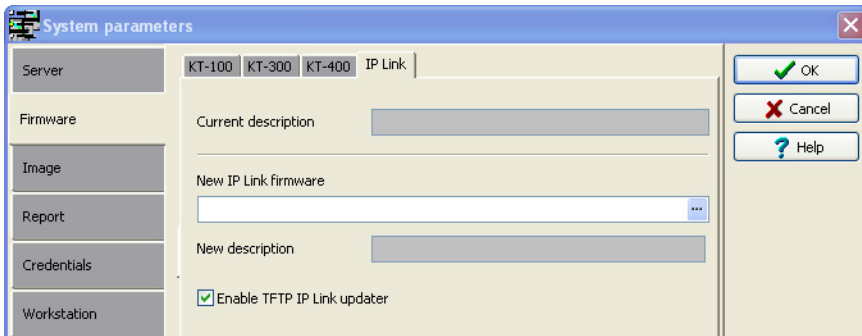
- When checked, the **Enable TFTP KT-400 updater** option will allow operators to upgrade the KT-400 firmware from the **Update firmware** button from the **Operation > Site** dialog in EntraPass.

NOTE: The EntraPass Server computer must be restarted in order to enable the TFTP KT-400 updater.

- For security reasons, you may decide, as a System Administrator to disable this option and not allow operators to update the firmware.

Kantech IP Link

The **IP Link** tab specifies the location of the folder containing the firmware for the Kantech IP Link module. The system will use this data to update the installed firmware.



- When checked, the **Enable TFTP IP Link updater** option will allow operators to upgrade the IP Link firmware from the **Update firmware** button from the **Operation > Site** dialog in EntraPass.

NOTE: The EntraPass Server computer must be restarted in order to enable the TFTP IP Link updater.



- For security reasons, you may decide, as a System Administrator to disable this option and not allow operators to update the firmware.

Image Parameters

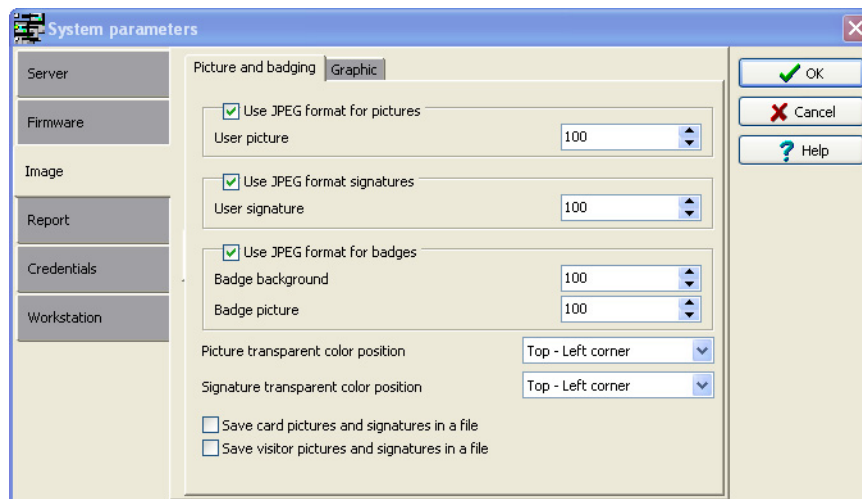
The Image directory is where you will define parameters for the badging features. You will define image quality for picture, signature and background images.

- If you are using the badging feature, it is recommended to leave the jpeg quality to default. Reducing the image quality may affect the quality of the pictures imported from badges.
- If you are not using the badging feature, you may reduce the jpeg quality of your images so that they will not occupy a large space in the database. You must take in consideration, however, that reducing the quality of the saved images may affect the quality of the photos imported into badges.

A parameter allows you to save cards and visitor card pictures, signatures and background graphics to a file instead of directly to the database. We are offering this option for sites that have large banks of pictures and graphics. The picture, signature and graphic database can currently contain up to 2 Gb of data each. The parameter will be used in instances where a site may need more space to save pictures, signatures and graphics.

Picture and Badging

The picture and badging feature allows you to adjust the image and signature quality for use with the Badging feature.



- Unchecking **Use JPEG format for pictures, signatures and badges** tells the system to save pictures (or signatures) in a tiff format.



NOTE: Remember that this may affect the image quality. If you are not an advanced user, leave these values to default.



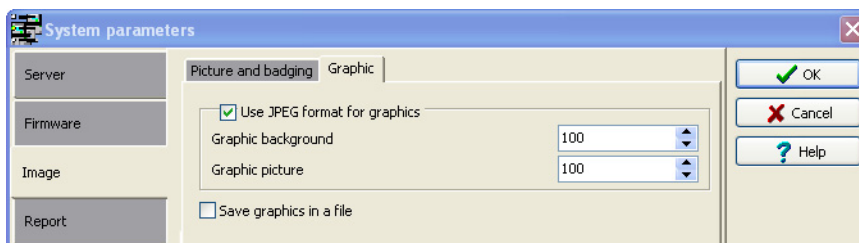
- The **User picture**, **Signature**, **Badge background** and **Badge picture** indicate the quality of the image that will be saved. If you choose 10, the saved image quality will be poor; 100 indicates an excellent quality.
- Select the location of the **Picture (Signature) transparent color position** for pictures and signature. Four choices are available (top-right, top-left, bottom-right and bottom-left). By default, the system chooses the bottom left-hand corner for the transparent background color. EntraPass allows operators to choose a more suitable color.
- When checking the **Save card pictures and signatures in a file** box, the system will create **Picture** and **Signature** directories under **C:\Program Files\Kantech\Server_SE\Data** where all pictures and signatures will be saved instead of directly in the database.
- When checking the **Save visitor pictures and signatures in a file** box, the system will create **Picture** and **Signature** directories under **C:\Program Files\Kantech\Server_SE\Data** where all visitor pictures and signatures will be saved instead of directly in the database.



NOTE: When modifying an existing picture or signature, EntraPass will save it to the appropriate file and delete the corresponding entry in the database.

Graphic

The graphic feature allows you to adjust the graphic quality for use with the EntraPass software.



- Unchecking **Use JPEG format for graphics** tells the system to save graphics in a tiff format.



NOTE: Remember that this may affect the image quality. If you are not an advanced user, leave these values to default.

- The JPEG quality value for **Graphic background (picture)** indicates the quality of the image that will be saved. If you choose 10, the saved image quality will be poor; 100 indicates an excellent quality.
- When checking the **Save graphics in a file** box, the system will create a **Graphic** directory under **C:\Program Files\Kantech\Server_SE\Data** where all graphics will be saved instead of directly in the database.



NOTE: When modifying an existing graphics, EntraPass will save it to the appropriate file and delete the corresponding entry in the database.

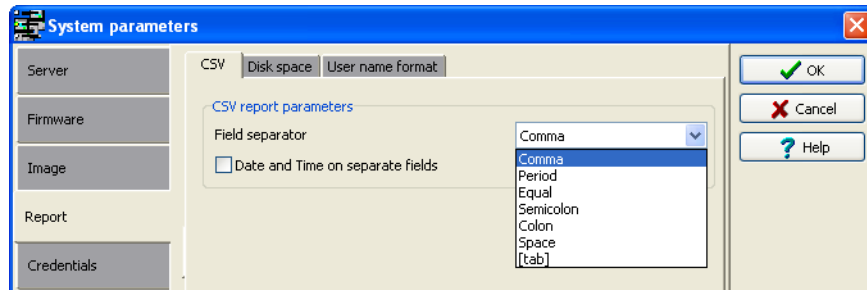
Report Parameters

The **Report** tab enables users to define the field separator for reports, disk space threshold and user name format.

CSV

Under the **CSV** tab, you can define the field separator for your reports.

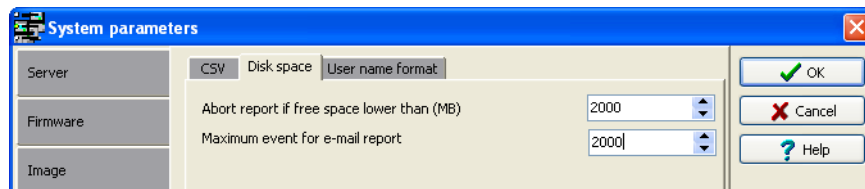
- By default, the system uses a comma (,) as the **Field separator**. You can modify the comma for another character. Other options are: Period, Equal, Semicolon, Colon, Space and tab.
- It is recommended to check the **Date and time on separate fields** option. When selected, CSV (comma separated values) as the output process for your reports, by default, the system includes the date and the time in a single field. When you select this option, the system will separate the date and the time fields.



Disk Space

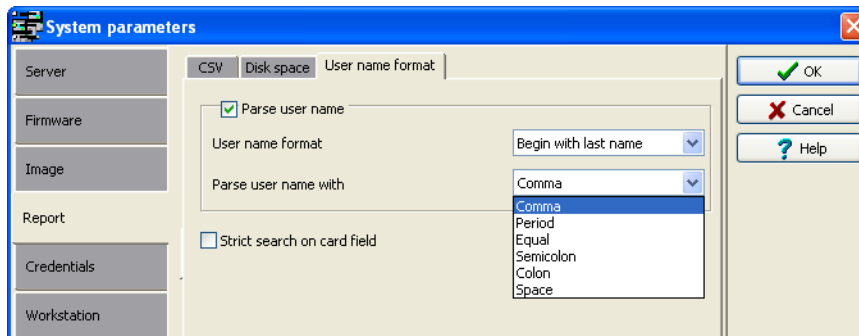
This feature is a protection when for instance a huge report has been requested. In this case, the system will abort the execution of the report and displays an alert message indicating the reason of the cancellation.

- **Abort report if free space lower than (MB)** scroll-down list allows you to specify the minimum amount of free disk space required for the execution of reports. The range value is 2000 to 999,999 MB.
- **Maximum event for e-mail report** scroll-down list allows you to specify the minimum amount of free disk space required for the execution of reports. The range value is 100 to 10,000 events.



User Name Format

Specifying the user name format will tell the system how cardholder's names will be displayed in EntraPass.



- **Parse user name** should be checked if you want to select a method of parsing the user's name in the system.
- **User name format** lets you select the parsing method. Options are: Begin with last name, Begin with first name.
- **Parse user name with** lets you select the character that will be used to parse the user name fields. Options are: Comma, Period, Equal, Semicolon, Colon, Space.
- **Strict search on card field** should be left empty unless you wish to keep the previous method (EntraPass Version 3.17 and lower) of strict searching a card field for reports.

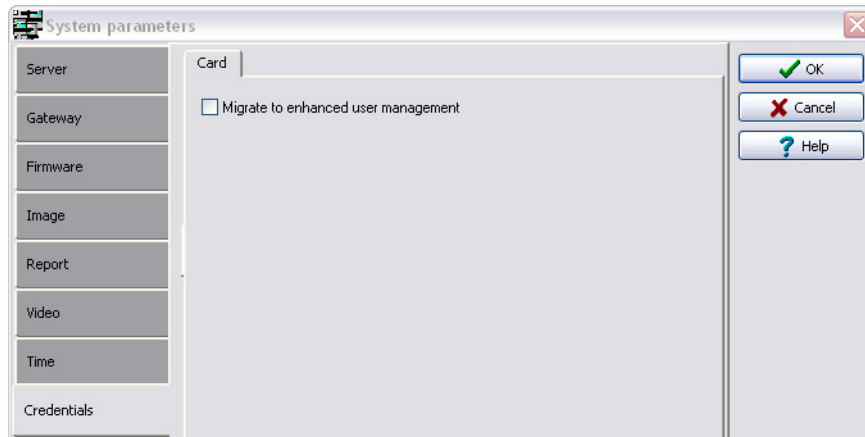


NOTE: Prior to version 3.18 of EntraPass, the system used a strict search method that required Administrators to enter specific upper and lower boundaries to attain specific results. For example, for generating a report that included all users whose last name started with A, the lower boundary had to be A and the upper boundary had to be AZZZZZ. Now, the system will display all user names that start with an A just by entering A as a lower and upper boundary.

Credentials Parameters

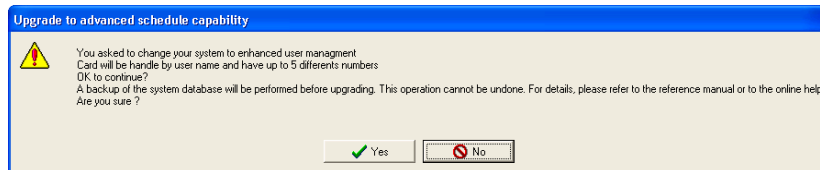
Cards

Under the **Card** tab, System Administrators will be able to migrate their EntraPass system to enhanced user management where users are managed by their user name as well as their card number. This will allow for creating cards without assigning card number to the new cards, see "*Issuing a New Card in Enhanced User Management*" on page 145.



WARNING: Enabling the migrate to enhanced user management is **NOT REVERSIBLE** through the software. However, when the system is migrating data, a backup is performed in EntraPass, so this can be restored to return to its previous action.

- **Migrate to enhanced user management:** when checked, EntraPass will migrate to the enhanced user management.
- After checking the box and clicking **OK**, a warning will popup on screen indicating that the action is irreversible before EntraPass performs a backup of your data.

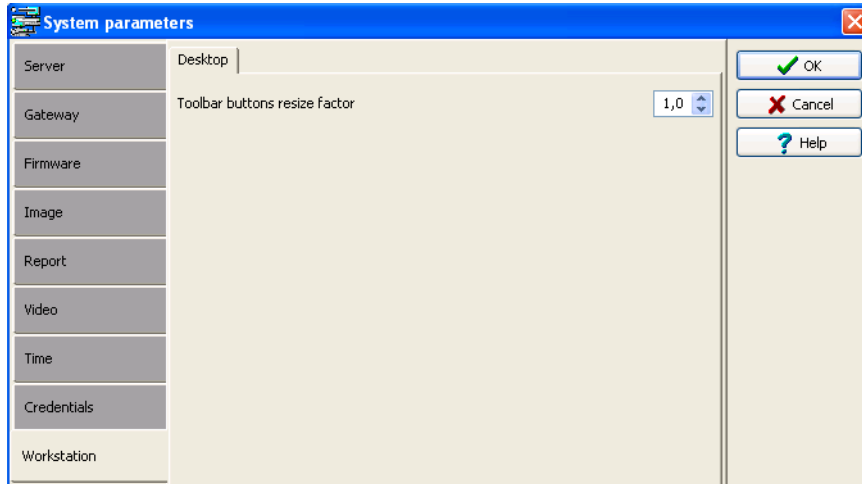


- Once the process has been completed, you will notice that the option is greyed out under the **Card** tab.



Workstation

Toolbar Buttons



The toolbar buttons size can be increased up to 2.5 times the original size, in order to improve visibility of the text below the button. Logout and log back in to apply the change to the toolbar. Here is an example at minimum size (1.0) compared to maximum size (2.5).



Default = 1.0



Maximum = 2.5

Backup Scheduler

A backup is a copy of the systems database which serves as a substitute or alternative in case the computer fails. If your system computer fails, you may restore a backup copy onto another computer.

- Back up your files regularly, at least once a week or more if many modifications were made to the database.
- We recommend that you make two backups of all your database files. To be especially safe, keep them in separate locations.
- To backup your files, you can use:
 - the menus of the Backup Tab, or
 - the Backup Scheduler to apply automatic schedules, or
 - other third party software and hardware (the third party software is not recommended).



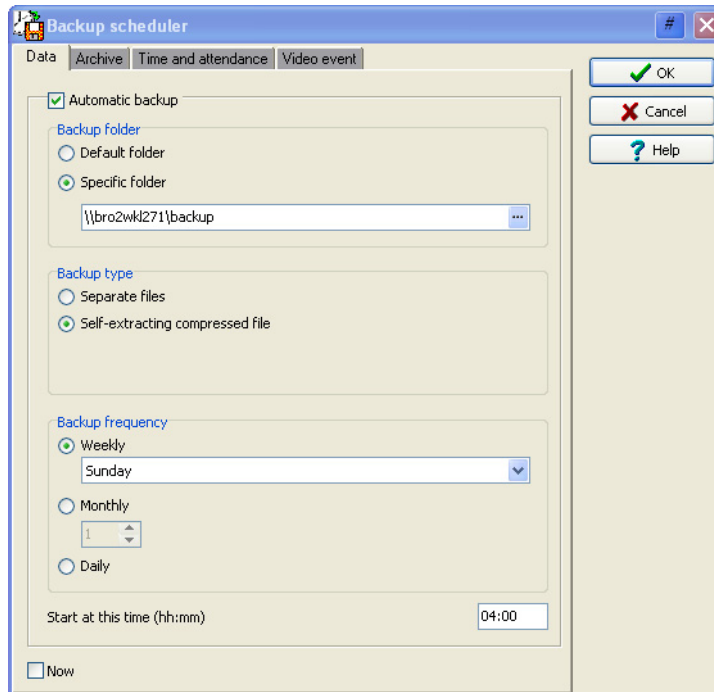
NOTE: *By default, when you backup or restore files, the databases will temporarily be disabled (not available). The Workstation will not be able to modify the databases.*

The Backup Scheduler program is used to schedule automatic backups of your data, archives, and Time and attendance databases. Define the default settings and the system will do the rest!

Scheduling Automatic Backups of the System Database

- 1 From the Backup tab, select the **Backup** icon.

NOTE: The Video Event tab is not available with EntraPass Special Edition.



- 2 Select the tab corresponding to the information you want to backup: **Data, Archive, Time & Attendance**.



NOTE: By default, the system will automatically backup your files every Sunday at 4:00 AM for all new installations. Setting this feature at 4:00AM has an added benefit of not interfering with the system processing time or other tasks scheduled around midnight.

- 3 Select the **Automatic backup** option to enable the options displayed in the window. The options displayed depend on the tab that is enabled.

- 4 Select the **Backup folder**:

- **Default folder**—will backup your files in a system default backup folder. By default, the name of the backup sub-directory is generated automatically according to the following convention: X_YYYY_MM_DD_HH_MM_SS (Where 'X' = Data or Archives or Time and Attendance (D, A or T), year, month, day, hour, minutes, and seconds.



NOTE: By default, the system backs up all the information originating from the following directories: C:/Program files/Kantech/Server/Data or Archive or Time on video or V. The information is sent to: C:/Program files/Kantech/Server/Backup/X_YYYY_MM_DD_HH_MM_SS.



- **Specific folder**—will backup your files in a sub-folder labeled according to the default convention in the XXX folder.
- 5 Select the **Backup type**: The options that are displayed depend on the type of the data to be saved.
- Under the **Data** tab only:
 - **Separate files**: will backup the databases one by one.
 - **Self-extracting compressed file**: will create an executable file (*.exe) that will compress the information so as to reduce the amount of disk space taken by the backup.
 - Under the **Archive and Time and Attendance** tabs only:
 - **Separate files (full backup)**: will backup all databases.
 - **Self-extracting compressed file (full backup)**: will create an executable file (*.exe) that will compress the information so as to reduce the amount of disk space taken by the backup.
 - **Separate files (incremental)**: will backup all databases. Only the information that was modified since the last backup will be saved.
 - **Self-extracting compressed file (incremental)**: will create an executable file (*.exe) that will compress the information so as to reduce the amount of disk space taken by the backup. Only the information that was modified since the last backup will be saved.



***NOTE:** Restoring a self-extracting backup after an EntraPass upgrade can only be done from the workstation where the original self-extracting backup was done.*



***NOTE:** When you have selected “full backup”, each time a backup is done a new sub-folder containing the data or the self-extracting file will be created. If you are using the incremental backup type, only the information that was modified since the last backup will be saved. If you want to restore information, you will have to restore all the sub-folders one-by-one (starting from the oldest).*

- 6 Select the frequency of the backup,
- **Weekly**: the backup will be carried out once a week. Specify which day (example, the backup will be executed every Thursday).
 - **Monthly**: the backup will be carried out monthly, specify the day of the month (example, the backup will be carried out every first day of the month).
 - **Daily**: the backup will be carried out every day.
 - **Now**: this option allows you to request a backup when you need it.
- 7 Enter the time at which the backup will start (24:00 format).
- 8 Repeat steps 1 to 8 for all the remaining tabs.
- 9 Click on **OK** to save.

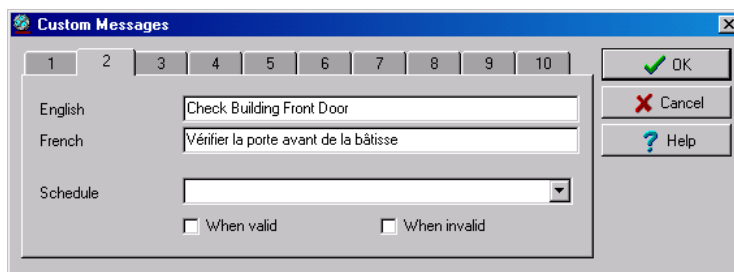
Custom Messages

The Custom Messages option allows operators with proper security rights to define custom messages that can generate an event based on a schedule. Up to 10 custom messages can be programmed to trigger an event at a preset time. And each custom message can be triggered when the schedule becomes valid, invalid, or both. In other words, you can trigger up to 20 custom events if you take into account the start and/or end of a schedule interval.

Each custom events will be displayed in the Messages List on the Desktops.

Setting up Custom Messages

- 1 From the **Options** toolbar, click **Custom Messages**.



- 2 In the first tab, enter the first custom message you want to see display in the Messages List. Two fields are available for primary and secondary languages.
- 3 Select a preset schedule that will determine when the custom event will be triggered.
- 4 Select if you want the custom event to be triggered when the schedule becomes **Valid** or **Invalid**, or both.
- 5 Move to the second tab to enter a second custom message, and so on.



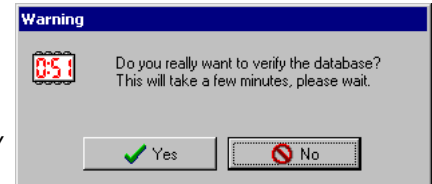
Checking Server and Workstation Databases

Server Database

- 1 From the **Options** toolbar, click the **Server full database check** icon. The system displays a warning.
- 2 Select **Yes** to continue.



NOTE: This is a surface operation. If your system is experiencing problems, you must run the Database Utility program from the Windows® **Start** menu. For more information, see 'To Verify Database Integrity' on page 350.

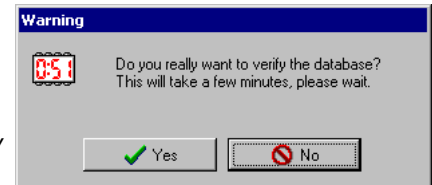


Workstation Database

- 1 From the **Options** toolbar, click the **Workstation full database check** icon. The system displays a warning.
- 2 Select **Yes** to continue.



NOTE: This is a surface operation. If your system is experiencing problems, you must run the Database Utility program from the Windows® **Start** menu. For more information, see 'To Verify Database Integrity' on page 350.





Chapter 14 • Backups

A backup is a copy of your system database which serves as a substitute or alternative in case the computer fails. Backing up your files safeguards them against accidental loss when for example the hard disk fails or when you accidentally overwrite or delete data.

If your computer system fails, you may restore a backup copy onto another computer (on which the EntraPass application has been installed). The EntraPass **Backup** tab allows operators to perform manual backups of the system data (D), archive (A) and time and attendance (T) databases. It is also used to restore backup data.

Safeguard tips:

- Back up your files regularly, at least once a week or more if many modifications were made to the database.
- We recommend that you make two backups of all your database files. To be safe, keep them in different locations.
- To backup your files, you can use:
 - The menu of the EntraPass Backup utility, or
 - Other third party software and hardware.



NOTE: *By default when you backup or restore files, the EntraPass database will temporarily be disabled. On the EntraPass application main window, you will notice that the second colored square at the bottom left of the screen turns red when the database is unavailable. Modifications done on the workstations will not be applied to the database until the database is available again.*

All the system data can be found under the following path: C:\Program Files\Kantech\Server_SE\XXXX. If you are using a third party program to perform backups, it is recommended to backup the whole Kantech directory and sub-directories.

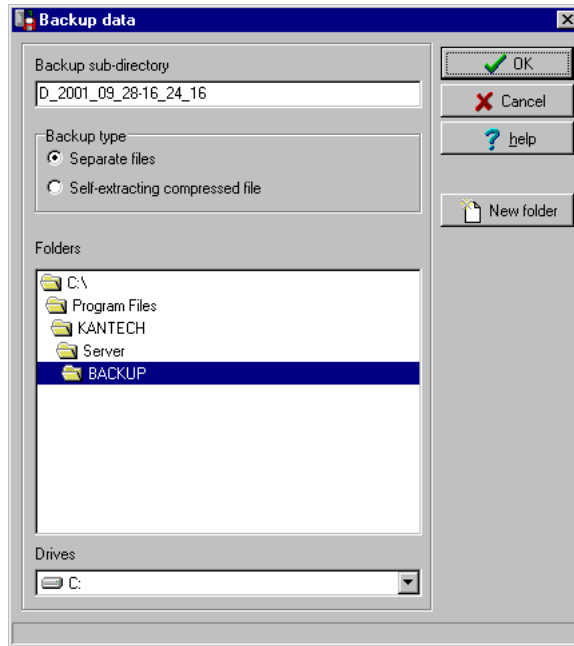
Each time a backup is done (even if it is done automatically), a new sub-folder containing the data or the self-extracting file is created. If you are using the “incremental” backup type and you want to restore information, you will have to restore all the sub-folders one-by-one (starting with the oldest).

Creating Backups of Type D, A, and T

By default, the name of the sub-directory in which the data/archive/time and attendance databases will be saved is generated automatically according to the following convention: X_YYYY_MM_DD-h_mm_ss, where X is the data type (D for Data, A for archive and T for Time and Attendance). The following steps explain how to backup data. The same steps apply also when you backup archives or time and attendance data.



- 1 Select the item you want to backup: data, archive, time and attendance databases. The system displays the backup sub-directory in which the information will be saved. You may keep the default folder, or you may browse your disk to specify a new destination folder for the backup.



NOTE: By default, the system/workstation will backup all the information originating from the following directory: C:\Program Files\Kantech\Server_SE\Data or Archive or Time and attendance to C:\ProgramFiles\Kantech\Server_SE\Backup\ X_YYYY_MM_DD-h_mm_ss, where X is the data type. The data type is followed by the year, month and day information as well as the time of the backup.

- 2 Select the Backup type:
 - **Separate file:** the system will back up the databases one by one (standard). This backup type includes the *Regdata.ini* file containing the following identification data: software used to create the backup, backup type (data, archive, time and attendance), operator who requested the backup, date and time of the backup as well as the software version.
 - **Self-extracting compressed file:** the system will create an executable file (.exe) that will compress the information so as to reduce the amount of disk space taken by the backup. The system displays information identifying the backup: software used to create the

backup, backup type (data, archive, time and attendance), operator who requested the backup, date and time of the backup as well as the software version.



NOTE: If you want to use the .exe file on its own to restore a self-extracting backup, make sure that the EntraPass system code is the same as the one stored in the .exe backup file or else the extraction will not work. In cases where your system has failed and EntraPass data and applications are no longer available, we strongly suggest that you reinstall EntraPass and use the backup functionality to restore your backup instead of using the .exe file on its own.

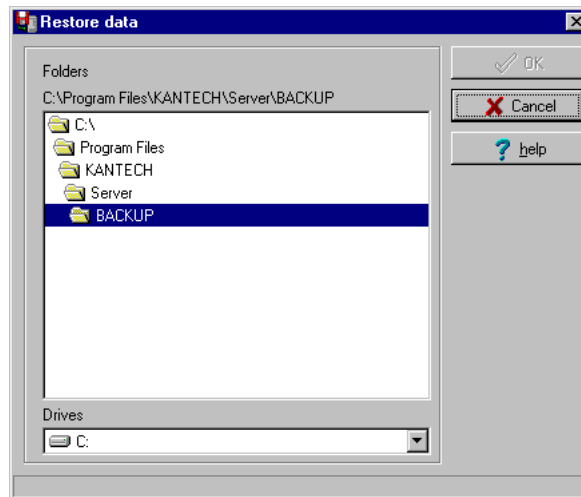
- 3 From the **Drives** drop-down list, select the drive on which the backup will be performed. A list of choices is available according to your computer settings. To save as default, leave as is.
- 4 You may click the **New folder** button if you want to specify a new destination folder.
- 5 Click **OK** to launch the backup procedure. The backup process can be viewed on the bottom part of the window.

Restoring Data (D, A and T)

If you are restoring data, it is strongly recommended to perform a backup before you do so.

If you are using a third party program to restore the data, it is recommend to restore the whole Kantech directory and sub-directories.

- 1 From the **Backup** tab, select the desired **Restore** button (**Data, Archive, Time and attendance**). The system displays the Restore data window. It displays the path of the backup folder.



NOTE: By default, the system restores all the information originating from the following directory: `C:\ProgramFiles\Kantech\Server_SE\Backup\X_YYYY_MM_DD-h_mm_ss` to `C:\Program Files\Kantech\Server_SE\Data` or `Archive` or `Time and Attendance`.



- 2 To change the destination folder, browse the **Drives** drop-down list. Click **OK** to launch the restore process.

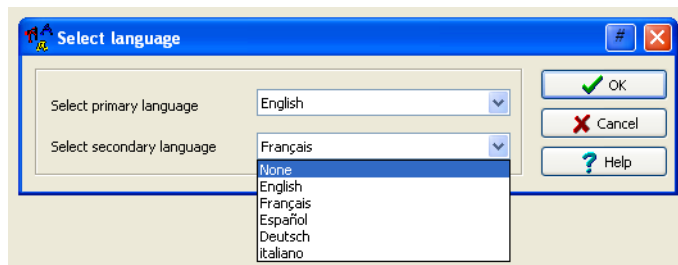


NOTE: *It is recommended to reload the Gateway after restoring the data (**Operation** > **Reload data**).*

System Language Modification

In order to have the system display the languages of your choice, you must first select the primary language, then the secondary language.

- 1 From the **Options** toolbar, click **Select language**.



- 2 From the **Select primary language** drop-down list, select the language you want to use as the primary language. From the **Select Secondary language** drop-down list, select the language you want to use as the secondary language.
- 3 Logout.
- 4 Log back in.



Chapter 15 • System Utilities

This section groups the utility programs of the EntraPass Software. These programs are accessible from the Windows® **Start** menu.

- **Database Utility** — Program intended to re-index archived files, update database fields, verify archived files, verify the database integrity, verify the database index, verify the database links and to verify the database hierarchy while the server is shutdown.
- **Express Setup** — Program used to configure all the components related to a gateway including the type of readers used, type of connection, number of controller sites, number of controllers in a site, etc.
- **KT-Finder** — Program used to configure locally or remotely Kantech IP devices such as the Kantech IP Link, the KT-400 Ethernet Four Door Controller and the KT-NCC.
- **Quick Report Viewer** — Program used by the operator to view reports without having to start EntraPass.
- **System Report Viewer** — Program used by the operator to view reports without having to start EntraPass. This utility is installed from the Setup window.
- **Vocabulary Editor** — Program used to translate, in the language of your choice, the display text of the software.

Database Utility

The Database utility program verifies the integrity of the database tables that are used to store events, alarms, network alarms, and graphics. Basically, the system scans all the system database tables and corrects errors (when they are found).

Usually, the system verifies the database integrity automatically at start-up (a system message is displayed). If an operator decides not to perform a database check at startup, he/she may trigger the operation later, using the Database Utility program.

It may also be necessary to launch the database utility program when for instance the system experiences problems frequently. This operation should be executed when the system is not much used since the system databases are not available during operations on the databases.

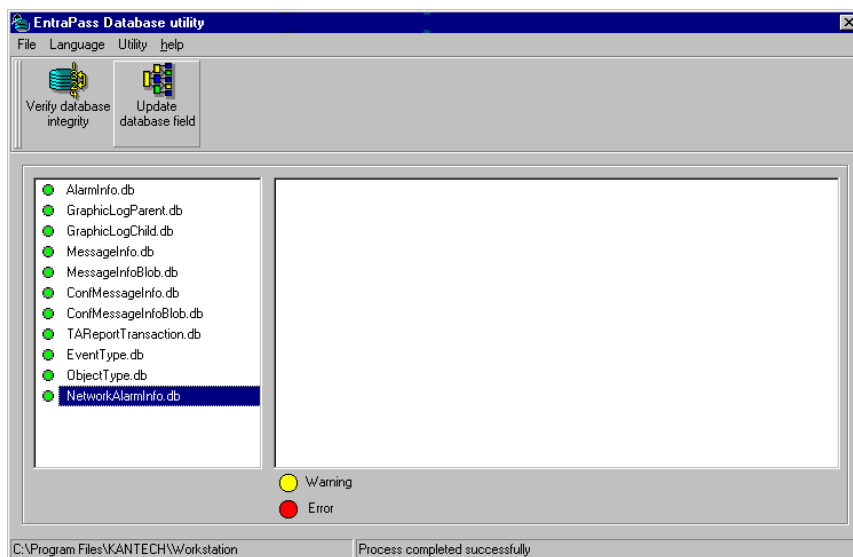
Some verifications such as re-indexing the archive files, updating database fields, verifying archive files, or swapping database languages require that the Entrapass applications be shutdown. Then, you can start the Database utility. When an operation that requires the application to be shutdown is launched, the operator is warned that the database access will be suspended during the operation.



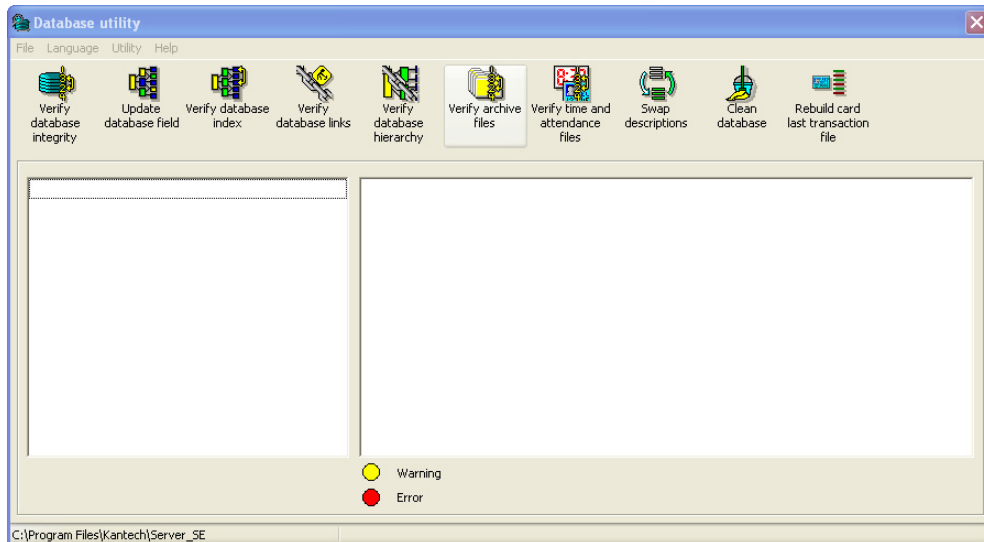
NOTE: *The Entrapass workstation must be shutdown before you run the database utility.*

Running the Database Utility

- 1 You can launch the Database Utility from the Windows® **Start > All Programs > Entrapass Special Edition > Database Utility**.



NOTE: When you select the **File > Workstation** menu, the system displays only two icons, the **Verify database integrity** and the **Update database fields** icons. The **File > Server** menu offers more choices



To Verify Database Integrity

- 1 Click the **Verify database integrity** icon in the toolbar. You have the choice to perform a **quick** or a **complete** check.
 - **Quick check:** The system scans through the database tables, but does not display a detailed report afterwards.
 - **Complete check:** The system scans through the database tables and a detailed report is displayed.

To Update Database Fields

This function is automatically executed when you perform a software is updated.

If an operator performs a database restore (**Server, Options** toolbar, **Restore**), the database fields are automatically updated when the information is restored. Even when an operator performs a database restore outside the Server (copies the databases from a third party backup program), this function is automatically carried out when the Server is started up again.

- 1 From the EntraPass Database utility window, select the **Update database field** icon.



NOTE: Use this function when, for instance, you experience problems when starting the workstation. When the system does not start, this may imply that there are problems in the database; that the source and the structure do not match.

To Verify Database Index

The **Verify database Index** program allows to entirely rebuild the database index by using the information that was copied in the primary databases and grouping it to rebuild the Registry.DB database. The latter is used to increase the system performance.



NOTE: *This program can be used when a database is corrupted because it has not been backed up.*

To Verify Database Links

The Verify Database Links utility is used to rebuild all the links of the database. Moreover, this program cleans the databases by deleting links that are no longer valid. For example, if a schedule was assigned to a functionality and this schedule was deleted, the system will initialize the field where it was assigned in the primary database. It will also remove the records that point to deleted components. For example, if an access level is assigned to a gateway and this access level was deleted, it will delete the record in the database.

The Verify Database Links utility enables complete management of the links between each component and ensures that the correct information is displayed when:

- Viewing the structure of a component's links to all other components of the system,
- Removing all the traces of a component within the database when this component has been deleted. For example, if a schedule is deleted, the system will use the link list to initialize all the database fields that contains this schedule.



NOTE: *It may be necessary to use this function when it is obvious that the database links are incorrect. This feature is useful when for example the system experiences abnormal terminations.*

To Verify Database Hierarchy

In EntraPass, the database is set up in a hierarchical way, which means that all components have a parent and can have children components.

The Verify database hierarchy utility is used to rebuild the parent-child links within the database. The results of this program are limited if the damages of the database are severe.



NOTE: *When a user tries to access a controller by selecting a gateway and a site and when the result does not correspond to the reality, this means that the database hierarchy is probably corrupted. In this case, the **Verify database hierarchy** feature can be used to correct the problem. If the problem cannot be fixed, this could mean that the database is too damaged to be fixed. It will be necessary to restore the database.*

To verify Database Archive Files

This function is used to verify archive files. It assigns a new unique sequential value to all primary indexes of archive files.

To Verify Time & Attendance Files

This function is used to verify time and attendance database files. It assigns a new unique sequential value to all primary indexes of time and attendances database files.



To Swap Descriptions

This function is used to interchange or to swap the database descriptions.

To Clean the Database

This option is used to physically remove database records which have been identified by the system as erased. Most of these records relate to cards and are kept in the Deleted Components section of the database. Using this option will considerably reduce the space required by your database. It will also improve system performance relating to searches for card information. It will not affect the table Registry, nor will it have an impact on historical reports.



NOTE: *It is strongly suggested to back-up the database before performing this operation. **Clean database** will suspend operation of the database while cleaning is in effect.*

To Rebuild Card Last Transaction Files

This function is used to rebuild the card last transaction files.

Vocabulary Editor

The Vocabulary Editor allows users to translate the display text of the software in the language of their choice.

Entrapass offers you the possibility of adding up to 99 languages for the purpose of changing the text language in the graphic user interface. However, you can only run the software in two languages at a time, a primary and a secondary language.

If you want to use the software in a language other than English, French, German, Italian or Spanish, you can have the database dictionary translated in the language of your choice. You will then have to integrate the translated dictionary in the software. The creation of a new display language is carried out in three stages:

- Translating the source text,
- Integrating the newly created language to the Entrapass dictionary in the Server,
- Distributing the new custom language to all Entrapass application.



NOTE: *In order to be able to run a new language, your operating system (Windows®) must support the desired language. For example, your keyboard (characters) and window (display) must support the specific characters of the desired language. The computers where Entrapass applications are running must also support the language. For more information on language support, refer to your system administrator.*

Installing the Vocabulary Editor

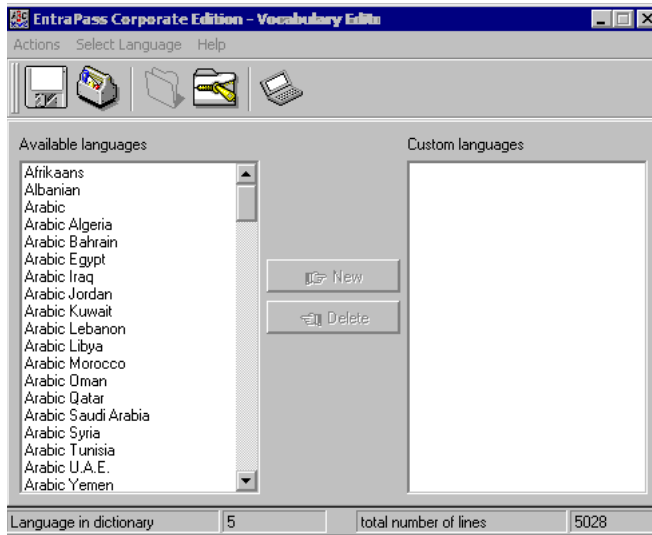
Entrapass Vocabulary Editor is a stand-alone program. You can install it and run it independently. If you want to translate the system language, you just have to install the Vocabulary editor and then to translate the vocabulary database.

Translating the System Language

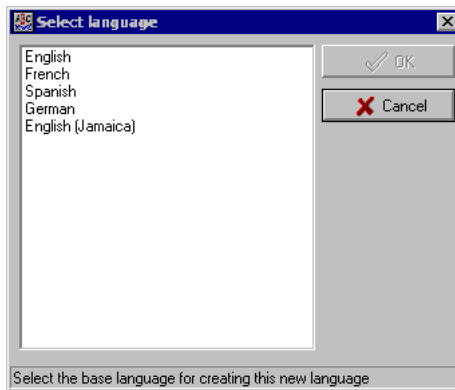
Entrapass Vocabulary Editor is a stand-alone program. You can run it independently, you do not need to launch Entrapass software to run the Vocabulary editor. The Vocabulary Editor program will assist you if you want to translate the software in a language, other than English, French, Spanish Italian or German.



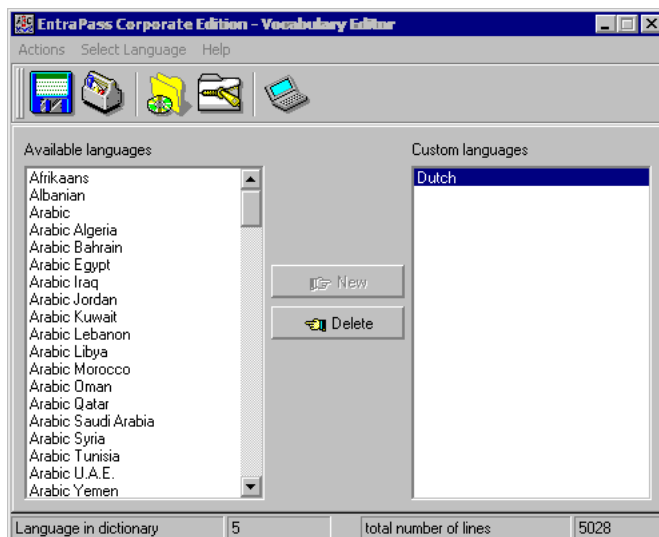
- 1 Start the Vocabulary editor from the Windows® **Start** menu: click **Start > All Programs > EntraPass Special Edition > Vocabulary Editor > Vocabulary Editor**.



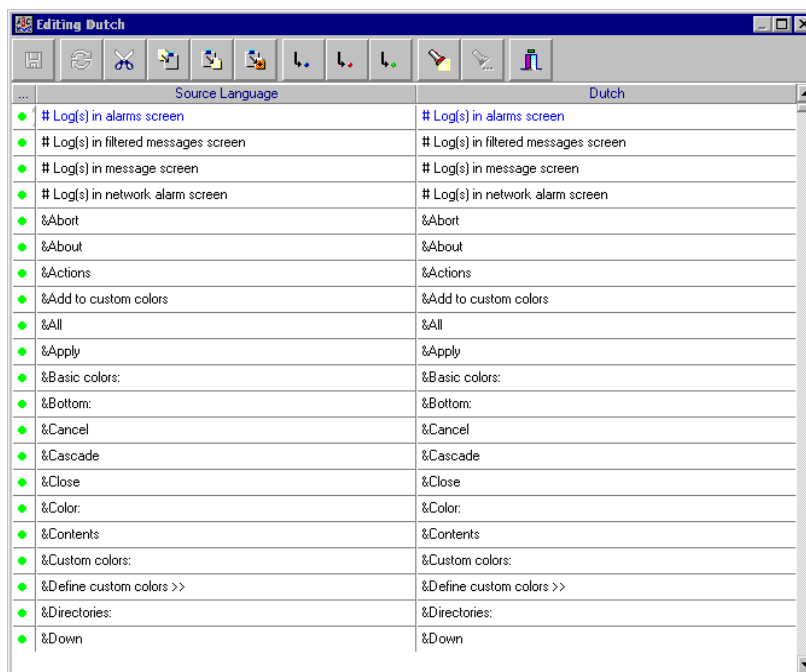
- 2 From the available **Language** list, select the new language, then click **New**. The system displays again the **Select language** window.



- 3 Select the source language for the translation, then click **OK**. The newly selected language is transferred to the right in the **Custom Languages** display list. The **Edit** and **Delete** buttons are enabled.



- Click the **Edit** button to start translating the software vocabulary. The system displays the dictionary database.



NOTE: You must make sure that the Customdictionary directories are regularly backed up (C:\ProgramFiles\Kantech\Vocabulary Editor\CustomDictionary\files.xxx.ath) or C:\ProgramFiles\Kantech\”Application type”\CustomDictionary\files.xxx.0

The table below shows the value of the Vocabulary Editor color codes.

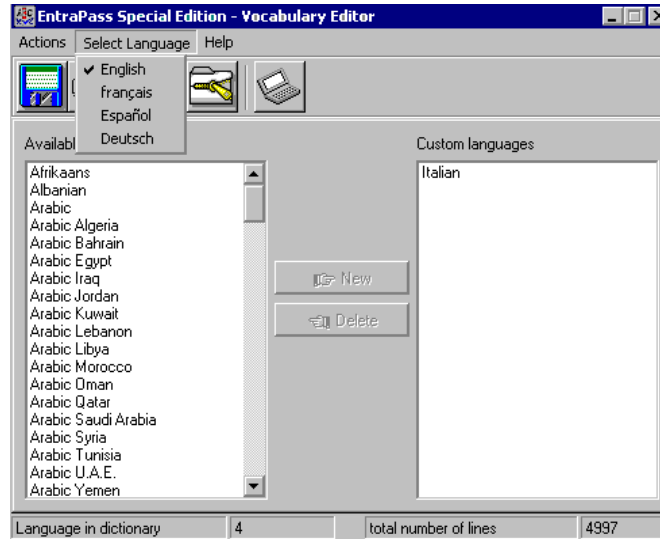
VOCABULARY EDITOR COLOR CODES	VALUE
Green	Valid text string.
Blue/Green	New text string.
Red	Obsolete text string.

- The “Source language” column contains text based on the basic language that was selected during the creation of the vocabulary. This column will serve as a “source” for the translation. Software language columns cannot be modified by the user.
- Use the right-click to enable a contextual sub-menu or use the **Language editor** toolbar. A hint appears when you position the mouse over a button.

Integrating your Custom Language in EntraPass

Once the translation is finished, you have to integrate the new dictionary into the system dictionary so that system operators can use it.

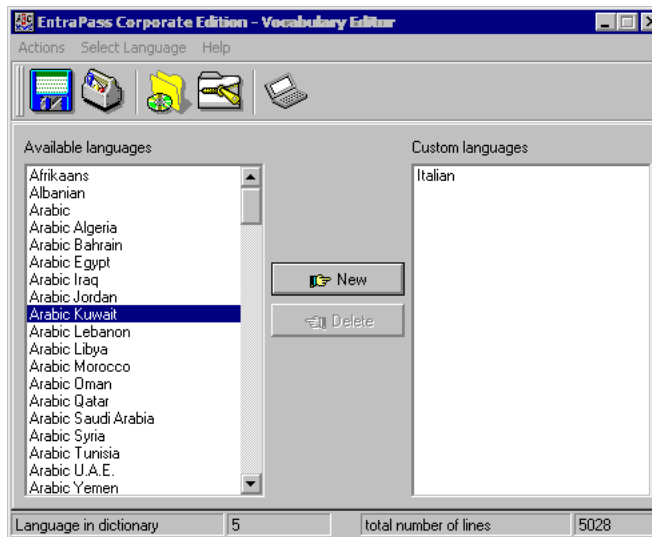
- 1 Start the Vocabulary Editor. The Vocabulary Editor window toolbar displays five buttons.



NOTE: The Graphic User Interface will only appear in one of five languages: English, French, German, Italian or Spanish.

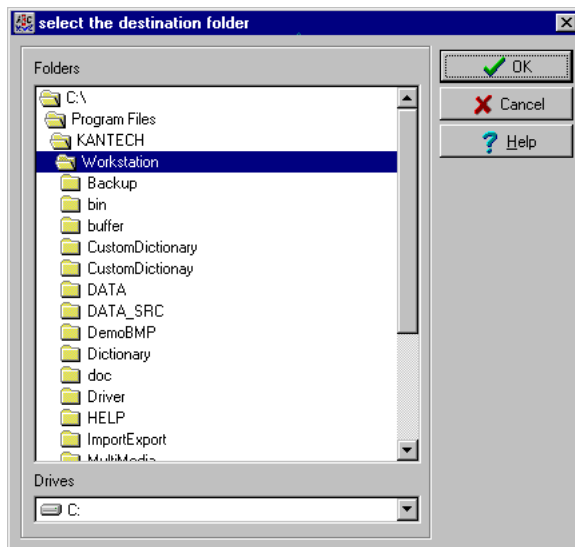


2 Select a newly translated vocabulary.



- You may choose to **Apply changes to the Operational dictionary**: this option is useful when you want to test your changes before you update the whole system.
- **Restore the operational vocabulary**: this option allows the user to easily restore the default languages. It creates a self-extracting file which restores the original dictionary.
- **Scan dictionary for new entries**: this option is useful when the software was updated for example.

- If you decide to implement the new vocabulary, select the **Actions** menu, then choose **Create self-extracting file for update** option. The system creates the **Updatedictionary.exe** file, and prompts you to select a destination folder for the file:



- Select the destination folder for **Updatedictionary.exe**. By default, the Self-extracting file is stored in C:\Program Files\Kantech (application).



NOTE: It is recommended to copy the *Updatedictionary.exe* file on a network folder if you want operators to access the file to update their software application.

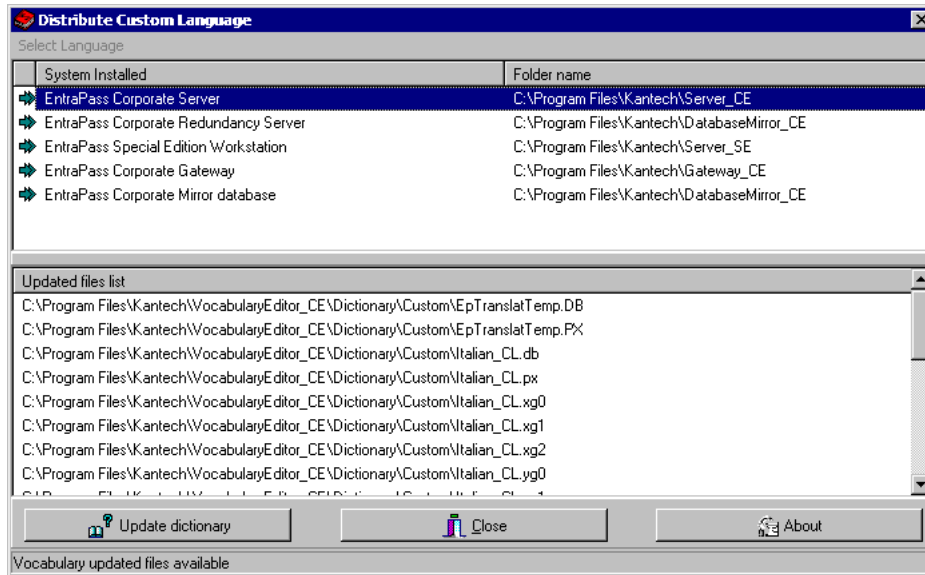
Distributing the New System Vocabulary

Before you run the file, make sure to exit the Entrapass software; otherwise the operation will not work.

Updating the System Vocabulary

- Exit all Entrapass programs.
- Start **Windows Explorer® > Kantech > (Entrapass application)**, then copy the **Updatedictionary.exe** on the server.

- 3 Double-click **Updatedictionary.exe**. The system displays the Entrapass applications that are installed on the computer.



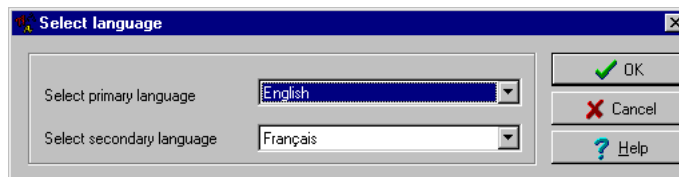
- 4 Select each application, then click the **Update dictionary** button.
- 5 You have to copy **Updatedictionary.exe** on every computer where EntraPass is installed, and then double-click it in order to launch the language update. To do so, you have first to exit all EntraPass applications before you run the self-extracting file.
- 6 Select the application you want to update (one at a time) and click **Update dictionary** button. The system will automatically copy the vocabulary to the **Custom Dictionary** directory then merge the custom directory with the application dictionary.



NOTE: You **MUST** update all the applications in the system.

NOTE: To restore the dictionary back to original default values, follow the same procedures as for updating the dictionary.

- 7 Select the **Options** toolbar, then select the **Select language** icon.





- 8 In the **Select the language** window, select the primary language and the secondary language. The newly integrated language is displayed in the list. It is important to select the language at this stage, otherwise the operators of the system will not be able to use it.



NOTE: For example, if your primary language is “English” and your secondary language is “French”: if you select your new language (i.e. Russian) as primary, all operators who have “English” as their display language in the **Operator** menu will be modified to “Russian”. On the other hand, if you change the secondary language to “Russian” and operators are using “English”, you will have to manually select “Russian” in the **Operator** definition menu”. To assign the desired language to an operator, use the **System** definition menu, then select the **Operator** definition menu.



NOTE: For every language you are installing, be sure to select the correct keyboard (**Start** > **Settings** > **Control panel** > **Keyboard**). The selected keyboard is displayed in the system tray.

Upgrading the System Vocabulary

When you upgrade your system, the new or modified strings are automatically inserted in the system vocabulary and also in the custom dictionary.

If you have added a custom language to your system, you have to translate the new/modified strings following a system upgrade. Therefore, you have to re-edit the vocabulary and create a new self-extracting file.

When you re-open the vocabulary table, new strings are indicated by a green point. Obsolete strings (no longer used) are tagged red.



NOTE: For easier management, we recommend that you always edit your vocabulary from the same computer and integrate it to the system using a self-extracting file.

Express Setup Program

The Express Setup program offers a quick and simple way to configure all the components of a system: type of readers used, number of sites, site name, number of controllers on a site, etc. For example, it enables users to modify a door's name by automatically applying default settings to all relays and inputs of controllers connected to the selected door.

- 1 Click the **New site** icon to create a new site.

The screenshot shows the 'Express setup' window with the 'Site Information' tab selected. The configuration is as follows:

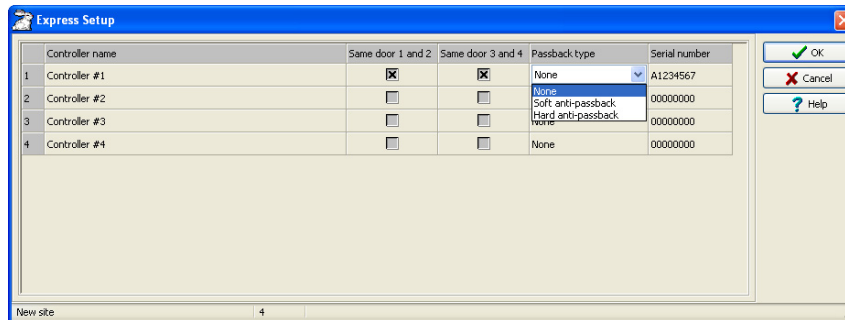
- Site description:** Main Entrance
- Reader type:** Dual IO Prox KANTECH
- Number of controllers:** 1
- Controller type:** KT-400 (selected)
- Connection type:** Secure IP (KT-400) (selected)
- KT-400 IP Configuration:**
 - MAC address: 00-50-F9-00-00-00
 - Obtain an IP address automatically:
 - Use the following IP address:
 - IP address: 0 .0 .0 .0
 - Subnet Mask: 0 .0 .0 .0
 - Gateway (Router): 0 .0 .0 .0
 - DNS server address: 0 .0 .0 .0
- Port:** 18810
- EntraPass Special Edition / Corporate Gateway:**
 - IP address: 0 .0 .0 .0
 - Domain name:
 - Test DNS:

Buttons at the bottom: OK, Cancel, Help.

- 2 Enter the Site name in the **Site description** field, then select the reader type.
- 3 Select the **Reader type**.
- 4 Set the **Number of controllers**.
- 5 Select the **Controller type** for this site.



- 6 Specify the **Connection type**. This indicates how the site communicates with the computer. The connection types available will follow the controller type selection.
 - Select **Direct (RS-232 or USB)**, if the site is integrated to the gateway computer and connected to it by an RS-232 serial port. If the connection type is direct, then you have to specify the serial port (com:) as well as the controller site baud rate (usually set at either 9600 or 19200). The default value is 19200.
 - Select **Ethernet (polling)** if the site communicates with the gateway through a terminal server device (Lantronix) using a port number. Then you have to specify the terminal server's IP Address and Port number. If the connection type is TCP/IP, the port settings section is disabled. To configure the terminal server, follow the manufacturer's instructions or refer to the terminal server documentation.
 - Select **Dial-up (RS-232) modem** if applicable.
 - Select **Secure IP (KT-400)** if applicable. Complete the associated tabs.
 - Select **Secure IP (IP Link)** if applicable. Complete the associated tabs.
- 7 Click **OK**.



NOTE: When the system is updating the database, the second status flag turns red, indicating that the system database is locked. When you try to access another system menu while the database is locked, an error message appears. Simply wait until the system database becomes available.

The following are default values assigned to controllers by the Express Setup program.

Controller	Door	Relays	Input zones	Aux. output
KT-100	1	4	4	2
KT-200	2	2	16	4
KT-300	2	2	8	4
KT-400	4	4	16	16



The following table summarizes how input zones are used by the system.

Input zones	System use	Controllers
1	Door 1 contact	All
2	Door 1 Rex	All
3	Door 2 contact	KT-100 & KT-300
4	Door 2 Rex	KT-100 & KT-300
5	Door 2 contact	KT-400
6	Door 2 Rex	KT-400
9	Door 2 contact	KT-200
10	Door 2 Rex	KT-200
9	Door 3 contact	KT-400
10	Door 3 Rex	KT-400
13	Door 4 contact	KT-400
14	Door 4 Rex	KT-400



The following table summarizes how output zones are used by the system.

Aux. output	Use	Controllers
1	LED (Door 1)	KT-100, KT-200 & KT-300
2	Buzzer (Door 1)	KT-100, KT-200 & KT-300
3	LED (Door 2)	KT-200 & KT-300
4	Buzzer (Door 2)	KT-200 & KT-300
1	OUT1 (Door 1)	KT-400
2	OUT2 (Door 1)	KT-400
3	LED (Door 1)	KT-400
4	Buzzer (Door 1)	KT-400
5	OUT1 (Door 2)	KT-400
6	OUT2 (Door 2)	KT-400
7	LED (Door 2)	KT-400
8	Buzzer (Door 2)	KT-400
9	OUT1 (Door 3)	KT-400
10	OUT2 (Door 3)	KT-400
11	LED (Door 3)	KT-400
12	Buzzer (Door 3)	KT-400
13	OUT1 (Door 4)	KT-400
14	OUT2 (Door 4)	KT-400
15	LED (Door 4)	KT-400
16	Buzzer (Door 4)	KT-400



NOTE: The remaining components (relays and input zones) are undefined, that is, they have been created but not yet defined. Components that are defined are grayed out. You cannot select them or change their description. You can change their description in their respective definition menu (Devices > Relays/Input zones).

By default, the system assumes that:

- The reader is IoProx Kantech XSF Format,
- The power supervision schedule is always valid,
- The failsoft delay is enabled for 45 seconds,
- The resistor type is single (KT-100 and KT-300),
- The wait for second card delay is 30 seconds.

Configuring a Controller Using Express Setup

When you add a controller to a site and immediately save, the system prompts you to use the **Express Setup** tool to define the controller. You may also launch this tool by selecting a controller and clicking the **Express Setup** icon in the controller toolbar.

- 1 From the **Controller** window, under the **General** tab, select the **Controller type**.
- 2 Click on **Save**, a message box should display: Do you want to use the **Express Setup** program to configure the associated devices. Click **Yes** to continue with the **Express Setup**.
 - If you click on **No**, you can always return to the **Express Setup** by clicking on the rabbit icon.

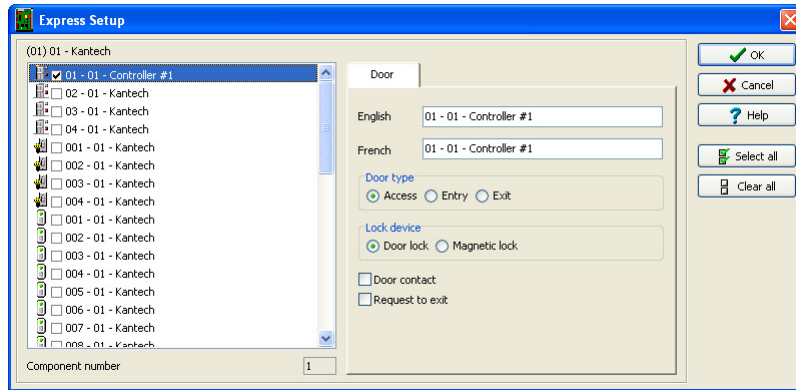


NOTE: Please note that the KT-300 is a 2-door system while a KT-400 is a 4-door system.

- 3 Specify if **Both readers are installed on the same door**, if applicable. When two readers are installed on the same door, the REX contact option is disabled.



- Click the **Advanced** button to define the other devices, such as doors, inputs, relays and outputs.

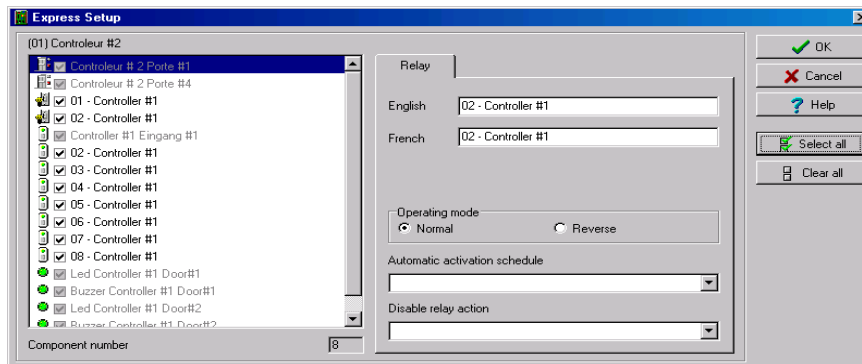


NOTE: Components are listed in the left-hand pane. The related tabs are displayed in the middle of the window. When you select a component, its default name, number and default settings are displayed in the language section. Select a component to enable its tab. Components that are assigned are gray and cannot be modified at this stage. However, you may later modify any component description in its definition menu (**Devices > Controller/ Door/Relay/Input/Output**).

To Define Relays

You may configure relays to define their operation mode, activation and deactivation schedules. If you want to assign a name to the relay, you have to select it. When you use the Select All button, the default names are kept.

- Select the first relay if you want to modify its description. The relay tab is enabled. You have to check the box beside the relay name in order to enable the language section.



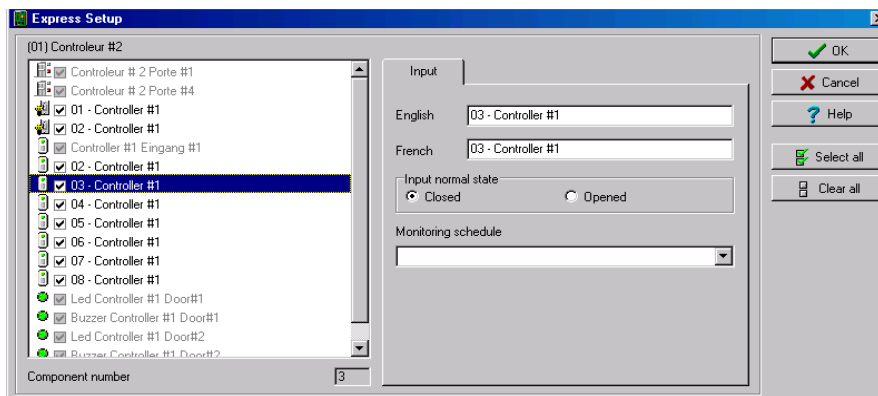
- Check the appropriate options for the **Operating mode** and for the **Activation mode**.

- 3 In the **Automatic activation schedule** drop-down list, choose the appropriate activation Schedule.

To Define Inputs

By default, the response time for a REX is 250 ms; it is 500 ms for other input zones. The alarm restore time is 150ms by default. The Express Setup program allows you to define the **Input Normal State** and **Monitoring Schedule**.

- 1 Select the first undefined input (its checkbox is not gray). Check its box to enable the language fields, then assign names to it.



- 2 Select the **Monitoring schedule** from the drop-down list. If you want to assign a custom schedule to the selected input, you have to define it. (Definition > Schedule).

To Define Auxiliary Outputs

By default, all outputs are defined, as follows:

- Auxiliary output 1 is used as a LED for door 1 (KT-100, KT-200 and KT-400)
- Auxiliary output 2 is used as a buzzer for door 1 (KT-100, KT-200 and KT-400)
- Auxiliary output 3 is used as a LED for door 2 (KT-200 and KT-300)
- Auxiliary output 4 is used as a buzzer for door 2 (KT-200 and KT-300).
- Auxiliary output 3 is used as a LED for door 1 (KT-400)
- Auxiliary output 4 is used as a buzzer for door 1 (KT-400).
- Auxiliary output 7 is used as a LED for door 2 (KT-400)
- Auxiliary output 8 is used as a buzzer for door 2 (KT-400).
- Auxiliary output 11 is used as a LED for door 3 (KT-400)
- Auxiliary output 12 is used as a buzzer for door 3 (KT-400).
- Auxiliary output 15 is used as a LED for door 4 (KT-400)
- Auxiliary output 16 is used as a buzzer for door 4 (KT-400).

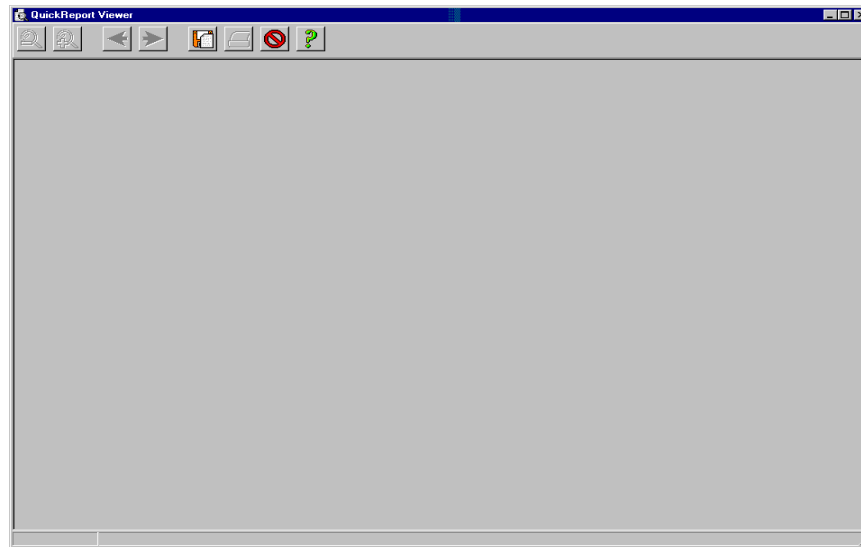
If you want to change their definition, you may do so while defining a controller or in their definition menu (**Devices > Auxiliary Outputs**)

Quick Report Viewer

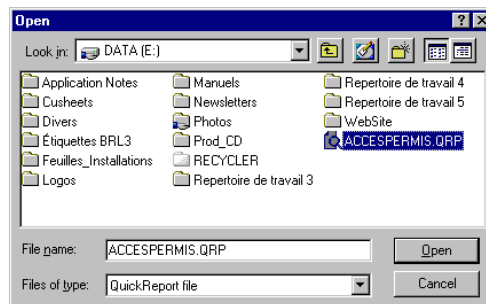
The **Quick Report Viewer** program allows operators to view previously saved reports without having to start EntraPass. It is used to view / display / load reports that were previously saved (in a.QRP format) during a print preview or Quick reports. For details on requesting and generating reports, see *"Reports"* on page 285.

This program is useful when EntraPass is off-line and when a report must be displayed for specific purposes.

- 1 From the Windows® task bar, click **Start > All Programs > EntraPass > Quick Report Viewer**.









- 2 Click the **Open** button to open a report. The system displays the **Open** window:



- 3 By default, when a report is saved in a QRP format, the system automatically saves it in "My Documents" folder. If you have saved the report in another folder you have to browse to the folder to select the report.

- 4 Click **Open** to preview the report. Once you have selected the requested report, the system will display your report:
- 5 Use the toolbar buttons to preview the report:

Icon	Description
	Use the Zoom out button to zoom out the report view.
	Use the Zoom In button to display details (view closer).
	Use Previous Page and Next Page buttons to change pages.
	Use the Open button to open a report located in any folder on your computer.
	Use the Print button to print the report. There will be no printer setup dialog box, the report will automatically print, to cancel the printing, click Cancel .
	Use the Quit button to quit the application.

Chapter 16 • Animated Icons

Animated icons indicate the status of physical or logical components in the windows of EntraPass software. They represent the component status in real time and simulate a movement by displaying a series of pictures associated with the component.

If a particular component status is difficult to identify, use this section to identify it.



Controllers

Controller animated icons indicate the status of a door controller in the graphic window (Desktop > Graphic desktop) or in the “Operation” window.

Status unknown



Appears when the EntraPass application has not received the component' status after four (4) attempts. It is displayed in:

- the Operation window (alarms, door, elevator door, relay, input, reload data)
- or the Desktop > Graphic desktop.

Controller AC failure



Appears when the controller is in AC failure. It is displayed in:

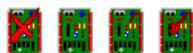
- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset Controller AC failure and Tamper Switch in “alarm”



Appears when the controller is in AC failure and the tamper switch is in alarm. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset

Controller is not communicating



Appears when the controller is not communicating. It is displayed in:

- the “Operation” — “Controller Reset” windows.
- the Desktop > Graphic desktop.

Controller communication is regular (no problem)



Appears when the controller is communicating and the communication is regular. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset.

Controller status is not yet known



Appears when the status of the controller is not yet known. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)

Controller is in “Reset” and AC failure



Appears when the controller is in “reset mode” and in “AC failure”. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset.

Controller is in “Reset”, “AC failure” and “Tamper in alarm”



Appears when the controller is in “reset mode”, in “AC failure” and the tamper is in alarm. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset

Controller is in reset and tamper in alarm



Appears when the controller is in “reset mode” and the tamper is in alarm. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset.

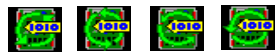
Controller tamper in alarm



Appears when the controller tamper is in alarm. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset when the controller tamper is in alarm.

Controller reloading firmware



Appears when the controller is reloading firmware. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Controller Reset.

Doors

Icons representing a door state indicate the status of door within the graphic window (from the desktop) or within the “Operation” window.

Door forced open



This animated icon appears when the door is opened and that no access granted nor request to exit was permitted. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door, Elevator Door

Door forced open (reader disabled)



This animated icon appears when the door is opened and that no access granted nor request to exit was permitted and the reader is disabled. It is displayed in:

- the “Graphic” window (desktop—graphic)
- the Operation > Door, Elevator Door

Door closed and locked



This animated icon appears when the door is closed and locked. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door

Door closed and locked (reader disabled)



This animated icon appears when the door closed and locked and that the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door.

Door status unknown



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the status of the door is not yet known.

Door open too long



This animated icon appears when the door is opened more than the permitted delay set in “open time”. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door, Elevator door.

Door open too long (reader disabled)



This animated icon appears when the door is opened more than the permitted delay set in “open time” and that the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door, Elevator door.

Door open and unlocked manually



This animated icon appears when the door is opened and it was unlocked by an operator. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door open and unlocked manually (reader disabled)



This animated icon appears when the door is opened and it was unlocked by an operator and the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door is opened and unlocked by schedule



This animated icon appears when the door is opened and it was unlocked by a schedule. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door is opened and unlocked by schedule (reader disabled)



This animated icon appears when the door is opened, and it was unlocked by a schedule and the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door pre-alarm on open too long



This animated icon appears when the door is opened more than half the time permitted delay set in “open time”. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door pre-alarm on open too long (reader disabled)



This animated icon appears when the door is opened more than half the time permitted delay set in “open time” and the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door still opened schedule invalid



This animated icon appears when the door is opened and the unlock schedule is invalid. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door/Elevator door.

Door still opened schedule invalid (reader disabled)



This animated icon appears when the door is opened and the unlock schedule is invalid and the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door/ Elevator door.

Door unlocked by an operator



This animated icon appears when the door is unlocked by an operator (manually). It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door > Elevator door.

Door unlocked by an operator (reader disabled)



This animated icon appears when the door is unlocked by an operator (manually) and the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door/Elevator door.

Door unlocked by a schedule



This animated icon appears when the door is unlocked by a schedule. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door/Elevator door.

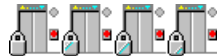
Door unlocked by a schedule (reader disabled)



This animated icon appears when the door is unlocked by a schedule and the reader is disabled. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door/Elevator door.

Elevator door unlocked and closed



This animated icon appears when the elevator door is closed and unlocked. It is displayed in:

- the Graphic desktop (Desktop > Graphic desktop window)
- the Operation > Door/Elevator door.

Relays

Relays icons indicate the status of a relay within the graphic window (from the desktop) or within the “Operation” window.

Relay activated by an event



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is triggered by an event.
- the Operation > Relay when the relay is triggered by an event.

Relay temporarily activated by an event



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is temporarily activated by an event.
- the Operation > Relay when the relay is temporarily activated by an event.

Relay activated by an input



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is triggered by an input.
- the Operation > Relay when the relay is triggered by an input.

Relay temporarily activated by an input



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is temporarily activated by an input.
- the Operation > Relay when the relay is temporarily activated by an input.

Relay activated by an operator



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is activated by an operator.
- the Operation > Relay when the relay is activated by an operator.

Relay temporarily activated by an operator



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is temporarily activated by an operator.
- the Operation > Relay when the relay is temporarily activated by an operator.

Relay activated by a schedule



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is activated by a schedule.
- the Operation > Relay when the relay is activated by a schedule.

Relay deactivated



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the relay is not activated.
- the Operation > Relay when the relay is not activated.

Relay status unknown



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the status of the relay is not yet known.



Inputs

This section is used to indicate the status of an input within the graphic window (from the desktop) or within the “Operation” window.

Input in alarm—Not supervised



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in alarm and the monitoring schedule is invalid.
- the Operation > Input when the input is in alarm and the monitoring schedule is invalid.

Input in alarm—Shunted by operator



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in alarm and it is shunted by an operator.
- the Operation > Input when the input is in alarm and it is shunted by an operator.

Input in alarm—Supervised



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in alarm and the monitoring schedule is valid.
- the Operation > Input when the input is in alarm and the monitoring schedule is valid.

Input in alarm—Supervised by operator



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in alarm and it is supervised by an operator (continuous supervision).
- the Operation > Input when the input is in alarm and it is supervised by an operator (continuous supervision).

Input OK—Not supervised



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in normal condition and the monitoring schedule is invalid.

- the Operation > Input when the input is in normal condition and the monitoring schedule is invalid.

Input OK—Shunted by operator



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in normal condition and it is shunted by an operator.
- the Operation > Input when the input is in normal condition and it is shunted by an operator.

Input OK—Supervised



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in normal condition and the monitoring schedule is valid.
- the Operation > Input when the input is in normal condition and the monitoring schedule is valid.

Input OK—Supervised by operator



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the input is in normal condition and it is supervised by an operator (continuous supervision).
- the Operation > Input when the input is in normal condition and it is supervised by an operator (continuous supervision).

Input status unknown



This animated icon appears in the “Graphic” desktop when the status of the input is not yet known.



Sites and Gateways

These icons indicate the status of a site, or gateway within the graphic window (from the desktop) or within the “Operation” window.

Controller Site:

Site status is not yet known



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the status of the controller site is not yet known.

Controller site connected



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the site is connected and communication is OK.
- the Operation > Reload data when the site is connected and communication is OK.

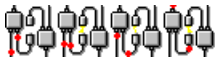
Controller site connected and in “Reload Data”



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the site is connected and is in “reload data” state.
- the Operation > Reload data when the site is connected and is in “reload data” state.

Controller site—Communication Failure



This animated icon appears in:

- the “Graphic” window (Desktop—graphic) when the site is disconnected and there is a communication failure.
- the Operation > Reload data when the site is disconnected and there is a communication failure.

Gateway:

Gateway—Communication Failure



This animated icon appears in:

- the “Operation” (door, elevator door, relay, input, reload gateway) window when the gateway is in communication failure.
- the “Graphic” window (desktop—graphic) when the gateway is in communication failure.

Gateway in “Reload Data”



This animated icon appears in:

- the “Graphic” window (Desktop—graphic) when the gateway is being reloaded.
- the Operation > (door, elevator door, relay, input, reload gateway) when the gateway is being reloaded.

Gateway—Communication Failure during Reload Data



This animated icon appears in:

- the “Operation” (reload data gateway) window when the gateway loses communication during a reload data operation.
- the “Graphic” window (desktop—graphic) when the gateway loses communication during a reload data operation.

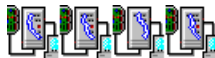
Gateway communication is regular (no problem)



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the gateway is communicating and the communication is regular.
- the Operation > Reload data gateway, communication is regular.

Gateway Trouble



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the gateway is not communicating.
- the Operation > Reload data gateway, the gateway is not communicating.

Gateway Trouble when Reloading



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the gateway is not communicating.
- the Operation > Reload data gateway is not communicating with the gateway during a reload data operation.



Gateway (Gateway Software Interface):

Gateway OK—communicating



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the gateway is communicating.
- the Operation > Reload data when the gateway is communicating.

Gateway in “Reload Data”



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the gateway is being reloaded.
- the Operation > Reload data when the gateway is being reloaded.

Gateway—Communication Failure



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when gateway is not communicating.
- the Operation > Reload data when the gateway is not communicating.

EntraPass Application

Application status is not yet known



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the status of the application is not yet known.

Application attempts communication



This animated icon appears in:

- the startup window when the workstation attempts to communicate with the server.

Application—Communication Failure



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the workstation is in communication failure.
- the “Operation” window (alarm, door, elevator door, relay, input, reload gateway) when the workstation is in communication failure.

Others

Database Initialization



This animated icon appears in:

- the startup window when the workstation initializes the database.

Data not available



This animated icon is used to indicate a transient stage. This could indicate that the requested information is not currently available.

No state available



This animated icon is used to indicate a transient stage. This could indicate that the requested component status is not currently available.



Output status is not yet known



This animated icon appears in:

- the “Graphic” window (desktop—graphic) when the status of the output is not yet known.

Status unknown



This animated icon appears in:

- the “Operation” (alarms, door, elevator door, relay, input, reload) window when the workstation has not received the component' status after four (4) attempts.
- the “Graphic” window (desktop—graphic) when the workstation has not received the component' status after four (4) attempts.

Error in process



This animated icon appears in:

- the “Operation” (alarms, door, elevator door, relay, input, reload data) window when a specific error is detected.
- the “Graphic” window (desktop—graphic) when a specific error is detected.

Undefined Component



This animated icon appears in:

- the “Operation” window (alarm, door, elevator door, relay, input, reload data gateway) when the component does not exist.
- the “Graphic” window (desktop—graphic) when the component does not exist.



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