

# **ENTERPRISE**



## **USER MANUAL SOFTWARE GRAPHIC INTERFACE CONTROL AND MANAGEMENT SYSTEMS EXFIRE360**



## Sommario

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## Introduction

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ENTERPRISE is a fully integrated graphical and text user interface for use with EXFIRE360-series fire panels.

Whether the installation comprises a single panel or up to 99 networked panels, Enterprise provides an integrated graphical mimic with full alarm management and panel control capability.

The pyramidal conception of the programme, with a simplified user-configurable menu, permits to provide information promptly and display combined text and graphics which can be quickly and easily understood by an operator rather than an engineer. Messages, graphics and controls are displayed at the same time without frequent popping up and down or overlapping, text is shown in large characters with a colour coded background.

ENTERPRISE has been designed and generated in compliance with EN 54-2 Standard - *“Fire Detection and Fire Alarm Systems – Control and indicating equipment”*- Section 13 (software engineering requirements).

## Release

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Enterprise Release Release 5.4.4 dated 10/04/2014

Warning: this release works with Windows-XP/7/8 /10environments

## Main features

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The main features of ENTERPRISE are the following:

- Supervision of up to 99 EXFIRE360 control panels
- STAR or local LAN connection to the units
- Windows multi-tasking operating system
- Customizable operator message for each event
- Full password protection and multiple operator levels
- Event log with sorting by event type and date
- Real time on line event management and historic information system
- Real time monitoring of control panels' status via integrated remote panel display
- Manual event printout
- Sensor analogue values display
- Modular design for optional combined control of fire detection, fire extinguishing, intrusion detection, video-surveillance and access control systems (with separated management)
- Encrypted configuration files
- Overview map maintains a view of wider areas whilst selecting the individual graphical maps
- Available in English, Italian and Russian language



## **System HW/SW minimum requirements**

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ENTERPRISE requirements are the following:

- CPU Pentium IV o più recente
- RAM almeno 512 MByte
- HARD DISK almeno 10 GByte (compreso S.O.)
- FLOPPY DISK 3.5" 1.44 Mbyte
- CD-ROM CD-ROM compatibile
- KEYBOARD IBM compatibile
- MONITOR 1024x768 pixel o risoluzioni maggiori
- MOUSE Microsoft compatibile
- ONE PORT USB 2.0 (per chiave hardware)
- PORT SERIAL (9 PIN)(per comunicazioni con centrali tramite RS-232)
- CARD FOR ETHERNET (almeno 100MByte)
- OPERATING SYSTEM XP/7/8/10

## **Program Setup**

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Enterprise is supplied in a CD with a hardware dongle to plug in the USB port of the supervision computer. Each dongle presents a unique digital signature that is recognized by Enterprise, therefore, the software allows its correct operation.

To install the program, insert the CD and follow the instructions on screen.

Once installed, the software will be autorun. If the hardware protection key is foreseen its installation will be checked before program execution and in case of loss of protection key the following message will be displayed: "KEY-CODE NOT FOUND". If the key is removed during program runtime the system will work with limited functions as signalling unit only.



## Main Page

Since Enterprise has been developed for integrated safety and security systems, the main page of the programme shows the list of the systems under supervision:

- Fire Protection (Detection and Suppression);
- Gas Protection
- Extinguishing;
- Technological.

Each section is accessible by pressing the icon corresponding to each sector (see Figure 1).



Figure 1: Pagina principale

Fire: the scroll bar indicates the status of possible probability events: alarm, pre-alarm, Fault, Exclusion.

The key "management" opens the list of custom displays of the system.

If one of the above events, their icons are highlighted with the color associated with them.

A click on the icon highlighted opens the list of pages.

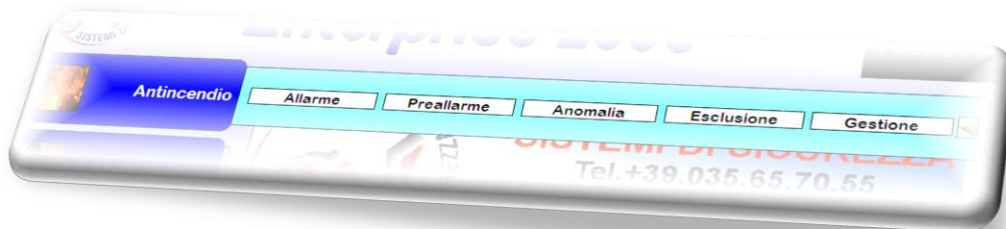


Figure 2: a scroll bar fire system

## Management

Clicking MANAGEMENT window will give the access to the graphical pages of the program

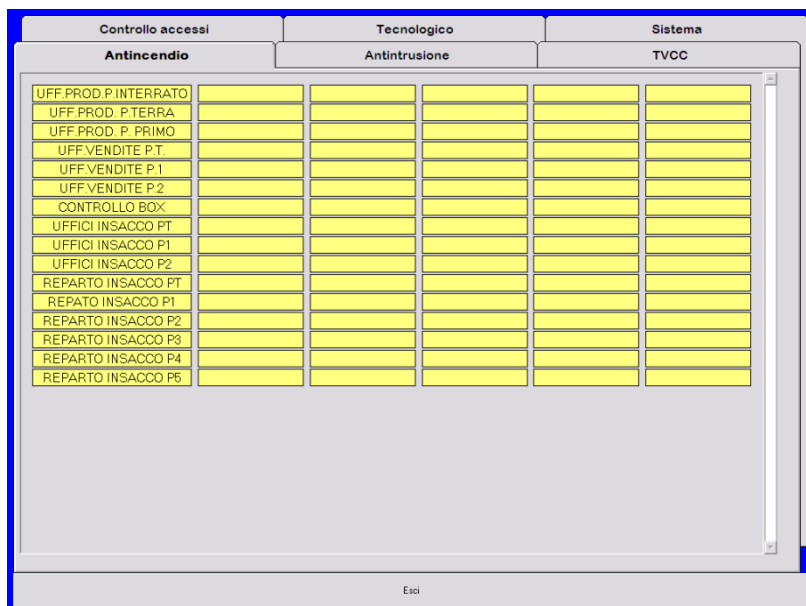


Figure 6: Management Section for Fire

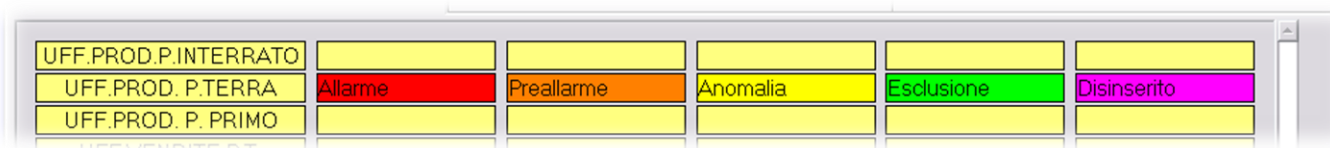


Figura 7: State graphic page

Placing the mouse cursor on a label active within seconds status is indicated the number of devices (entities) within the graphic area showing the state indicated.

Placing it on the name of the graphics area will display the total number of entities present.



Figura 8: Management Tool Allarm Text

In Figure 9 an example of a graphic area is reported:

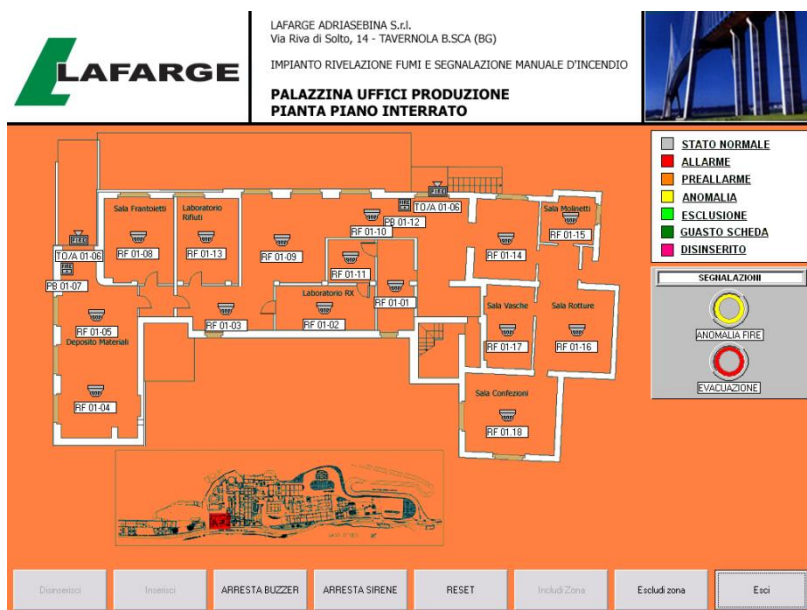


Figura 9: Page graphic

Once you select the graphic area you can do the following by clicking on the buttons in the screen lower band:

- |              |
|--------------|
| Includi Zona |
|--------------|

 Include every single entity or the entire area
- |              |
|--------------|
| Escludi zona |
|--------------|

 Exclude any single entity or the entire area
- |                |
|----------------|
| ARRESTA SIRENE |
|----------------|

 Stop the sirens interested
- |                |
|----------------|
| ARRESTA BUZZER |
|----------------|

 Stop the central buzzer (equivalent to the recognition of all signals)
- |       |
|-------|
| RESET |
|-------|

 Send a reset command to the central
- |      |
|------|
| Esci |
|------|

 Exits graphics page currently displayed

The icons corresponding to the devices are coloured according to their current status as follows:

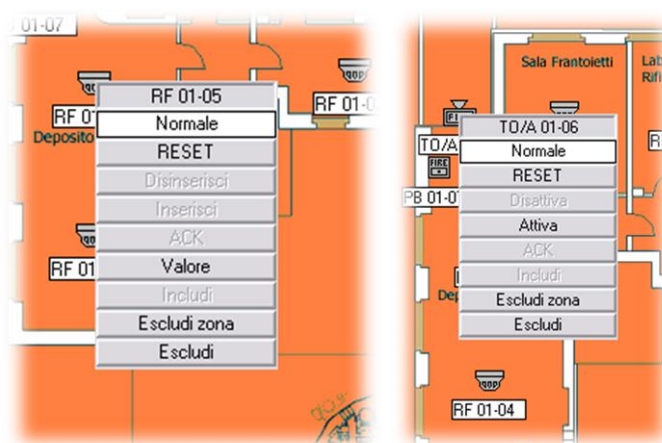
DEVICE STATUS	COLOUR
Device missing	Dark green
Device disabled by the operator	Light green
Device disabled by time zones	Magenta
Warning/pre-alarm	Amber
Tamper	Amber
Alarm	Red
Fault	Yellow
Normal	Background colour (grey)

**Tabella 1: Corrispondenza stato dispositivo e colore visualizzato**



**Figura 10: Esempio legenda stati**

The operations permitted on the devices depends on the access level of the operator. In particular, Enterprise has been designed to perform sophisticated tasks on the devices, such as the individual control of the zones with a simple right click on the symbol (fig. 11)



**Figura 11: Examples of the right-click menus of devices in fire protection section**

After right-clicking on the sensor, the operator is allowed to include/exclude the device, exclude/include an entire zone, ack an alarm, change the device icon and force a condition, depending on the access level of the operator (see Table 11)

In the case of an actuator, the operator is allowed to activate/deactivate, ack, change the actuator icon, exclude/include and force a condition (tabella 2).





The “associate rule” function is accessible at Level 3 (system administrator) and permits to define a group of zones under the same icon, controlling a logic rule through the status of each individual device.

Level	Authorisations
0	Include/exclude the device, include/exclude an entire zone, activate/deactivate, ack, change icons, force a condition, associate/erase rule, edit map, align symbols, load new maps
1	Include/exclude the device, include/exclude an entire zone, activate/deactivate, ack, change icons, align symbols, load new maps
2	Include/exclude the device, include/exclude an entire zone, activate/deactivate, ack
3	Ack an alarm/prealarm condition

**Table 2: ENTERPRISE multi-level password protection**

For To enable/disable the entity zone, it is also possible to click on the window ISOLATE/DEISOLATE, then select the window ZONE. If the operation has been accepted (authorised at Level 0 only) all points will be lighted according to Table 2.

### *Sirens*

In the case of active event, the sirens can be silenced following one of these procedures:

1. Click on “Silence Sounders” button in Enterprise main page;
2. Click on “Silence Sounders” key in the graphical page;

### *Analogue value*

To display the analogue value of a sensor, right-click on the symbol and select VALUE command; The relevant analogue value of the device will be displayed on a small window. If the analogue value is not available, Enterprise will generate an error message.

The analogue value visualisation is possible with the following sensors only:

Sensor type	Measuring unit
Smoke sensor	Perc. of obsc.
Heat sensor	°C
Combustible gas detector	% L.E.L
Toxic gas detector	ppm
Generic 4-20 mA transm.	mA

**Tabella 3: tipe device**

## Panel simulator

ENTERPRISE has been designed to provide the panel status to a remote supervisor in order to allow an effective interaction with EXFIRE360 panels. In particular, the main page of the programme “remotises” the panel keyboard with the relevant functions, i.e. Reset, Silence Buzzer, Silence Sounders, Delay Override, Evacuate



Figura 12: Panel simulator in the home page

Level-3 users are only allowed to interact with EXFIRE360 panel via Panel Query function, while other users may select any of the options.

## Panel Comunication diagnostics

For each Panel under supervision, this field shows a select button and two information labels: the button contains the panel name and permits to select which unit the Panel simulator refers to. The labels indicate respectively the Panel type and its connection status (green means correct communication, yellow “NO COM” message on black background stands for no communication between host and Panel CPU).

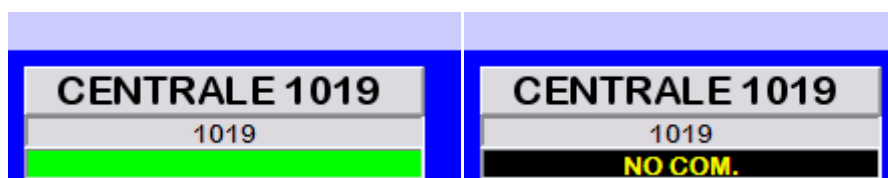


Figura 13: exsampil: Com Ok \ No Com

## Date and Time windows

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The upper right screen window shows system date and time.  
Events will be logged with system date and time.

## Password Windows

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If required, a password window will appear over other programme controls; when this window is shown, other options will not be available.

If no user is logged, the window allocates the users list and the password field.

## System

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The scroll bar "System" allows the following operations:

Exit: initiates a shutdown of the program via password entry

Config.: open the management page to the "System" tab (fig.14)

Session: allows the user change; first insert the current user's password and then log in with the new user

Historical: starts the event display interface (fig.17)

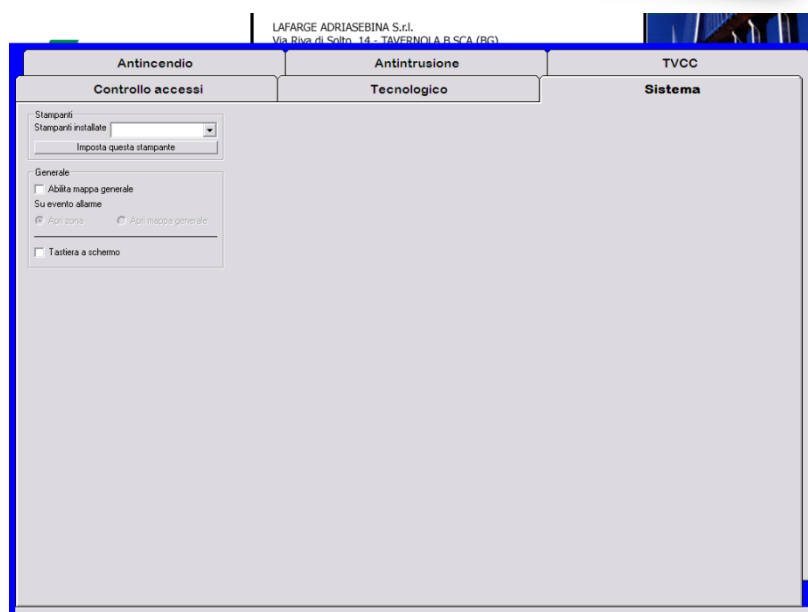
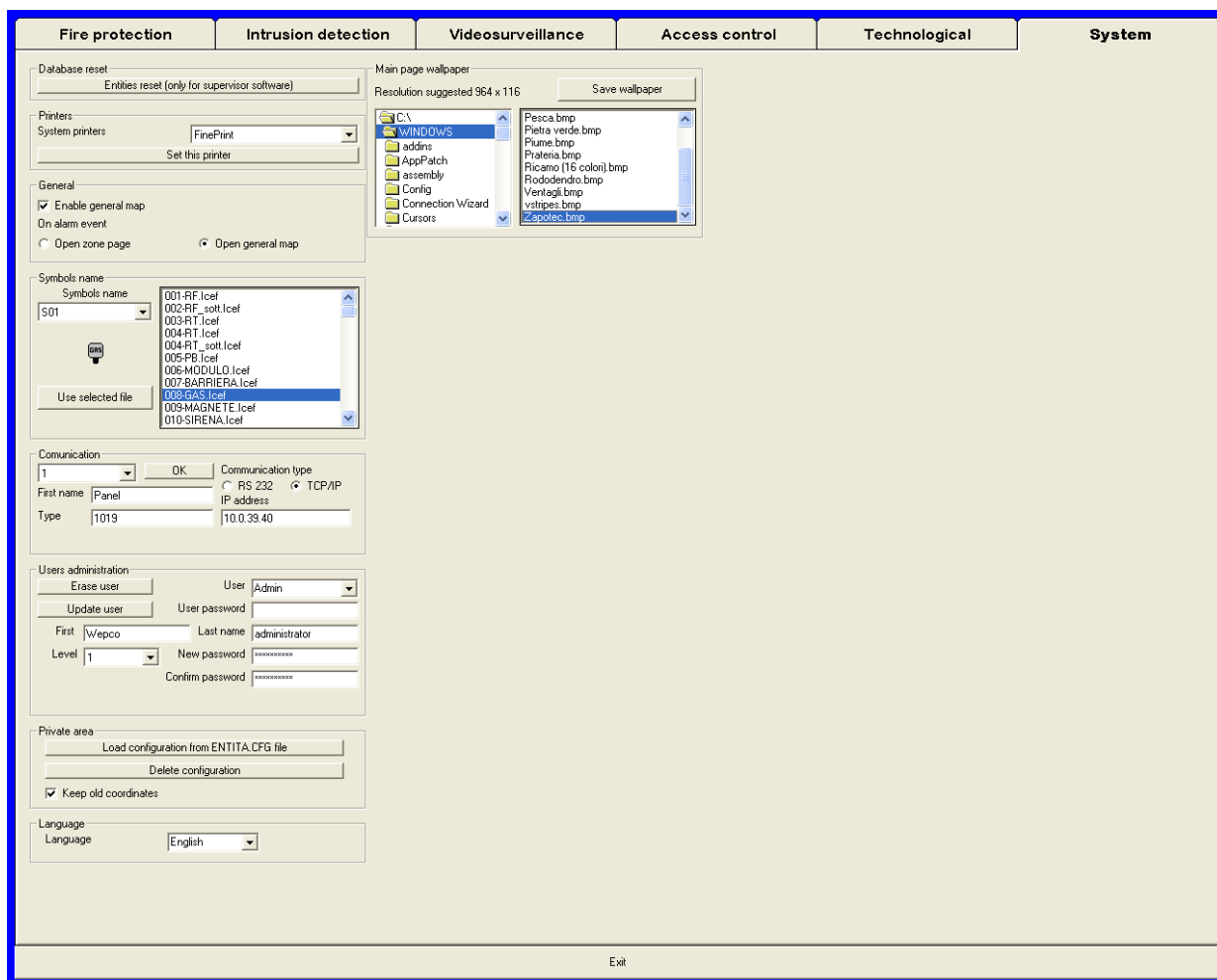


Figura 14: Pagina configurazione sistema

## Configuration

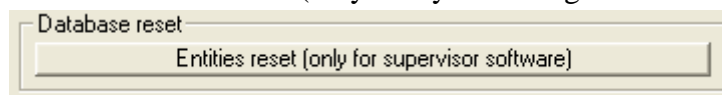
Below is an example of the configuration page; schematically, the operations that can be carried out are:



The screenshot shows a configuration window with the following sections:

- Fire protection**: Database reset (Entities reset only for supervisor software), Printers (System printers: FinePrint, Set this printer), General (Enable general map, On alarm event, Open zone page, Open general map), Symbols name (Symbols name: S01, Use selected file), Communication (First name: Panel, Type: 1019, Communication type: RS 232, IP address: 10.0.39.40), Users administration (Erase user, Update user, User: Admin, User password, First: wlecco, Last name: administrator, Level: 1, New password, Confirm password), Private area (Load configuration from ENTITA.CFG file, Delete configuration, Keep old coordinates), Language (Language: English).
- Intrusion detection**: Main page wallpaper (Resolution suggested 964 x 116, Save wallpaper, C:\WINDOWS\addins\AppPatch\assembly\Config\Connection Wizard\Cursors\Zapotec.bmp).
- Videosurveillance**: (Empty)
- Access control**: (Empty)
- Technological**: (Empty)
- System**: (Empty)

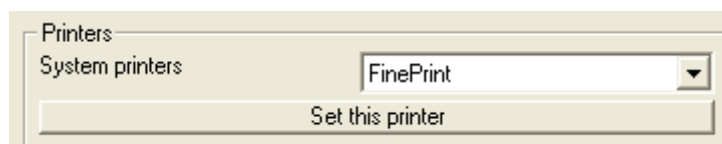
1. Database reset (only for system integrators and developers)



Database reset  
Entities reset (only for supervisor software)

- 2.

3. Printers: a pull-down menu indicates the printers available for printing out the event list.



Printers  
System printers: FinePrint  
Set this printer



General: this section is studied for importing and setting an overview map of the buildings and facilities under protection, in order to make it more intuitive to interact with ENTERPRISE. This features can be enabled/disabled. In addition, an active event from the safety/security system may determine the sliding of the general map or the popping up of the graphical page relevant to the event.

General

☒ Enable general map

On alarm event

☐ Open zone page ☒ Open general map

4. Symbols name: this function allows to associate default symbol icons to the correspondent symbol files.

Symbols name

Symbols name

S01

Use selected file

- 001-RF.Icef
- 002-RF\_sott.Icef
- 003-RT.Icef
- 004-RT.Icef
- 004-RT\_sott.Icef
- 005-PB.Icef
- 006-MODULO.Icef
- 007-BARRIERA.Icef
- 008-GAS.Icef
- 009-MAGNETE.Icef
- 010-SIRENA.Icef

5. Communication settings: see picture below for selecting the configuration parameters of EXFIRE360 panel.

Communication

1 OK

First name Panel

Type 1019

Communication type

☐ RS 232 ☒ TCP/IP

IP address 10.0.39.40

6. Users administration: this section (accessible at level 0 and 1 only) is thought for the configuration of usernames and passwords and for setting access policies.

Users administration

Erase user

User Admin

Update user

User password

First Wepco Last name administrator

Level 1

New password

Confirm password

7. Private area (only for system integrators and developers)

Private area

Load configuration from ENTITA.CFG file

Delete configuration

☒ Keep old coordinates

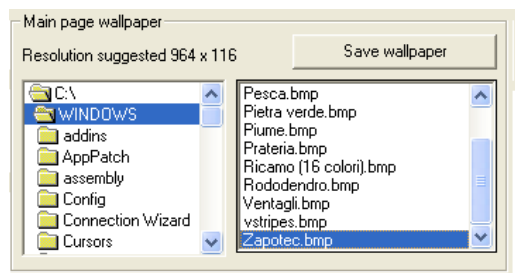
8. Language settings; language available: Italian, Russian, English and French.

Language

Language English



9. Main page wallpaper: see instructions below for importing a wallpaper file for the main page (.bmp format)



## Historical

### Historical

21 febbraio 2006

Search start date

Last week

Current month

22 febbraio 2006

Search end date

Display only the following events

☒ General

☒ Fire protection

☒ Intrusion detection

☒ System

☒ Alarm

☒ Pre-alarm

☒ Exclusion

☒ Fault

☒ Other events

First name	Last name	Level	Event time	Description
SV	Technician	0	22/02/2006 12.41.41	Session start
SV	Technician	0	22/02/2006 11.40.41	Application shut down
SV	Technician	0	22/02/2006 11.28.00	Communication error : CFG TCP error
SV	Technician	0	22/02/2006 11.27.44	Session start
SV	Technician	0	22/02/2006 9.43.20	Application shut down
SV	Technician	0	22/02/2006 8.54.02	Session start
		x	22/02/2006 8.54.02	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 15.31.56	Application shut down
SV	Technician	0	21/02/2006 15.31.53	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 15.31.38	Session start
SV	Technician	0	21/02/2006 15.31.18	Session start
SV	Technician	0	21/02/2006 15.18.17	Application shut down
SV	Technician	0	21/02/2006 15.15.52	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 15.15.36	Session start
SV	Technician	0	21/02/2006 15.09.56	Application shut down
SV	Technician	0	21/02/2006 15.09.34	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 15.09.19	Session start
SV	Technician	0	21/02/2006 11.00.29	Application shut down
SV	Technician	0	21/02/2006 10.53.23	Acknowledgement all zone alarm events LPG PLANT-LPG01-LPG09(N° 1)
SV	Technician	0	21/02/2006 10.53.17	Session start
SV	Technician	0	21/02/2006 10.49.14	Application shut down
SV	Technician	0	21/02/2006 10.48.51	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 10.48.36	Session start
SV	Technician	0	21/02/2006 10.46.33	Application shut down
SV	Technician	0	21/02/2006 10.38.54	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 10.38.44	Session start
		x	21/02/2006 10.38.38	Wrong password
SV	Technician	0	21/02/2006 10.38.18	Application shut down
SV	Technician	0	21/02/2006 10.38.04	Session start
SV	Technician	0	21/02/2006 10.35.50	Application shut down
SV	Technician	0	21/02/2006 10.32.05	Communication error : CFG TCP error
SV	Technician	0	21/02/2006 10.31.50	Session start
SV	Technician	0	21/02/2006 10.26.10	Communication error : CFG Errore connessione TCP
SV	Technician	0	21/02/2006 10.25.55	Session start
SV	Technician	0	21/02/2006 10.24.20	Application shut down
SV	Technician	0	21/02/2006 10.24.13	Communication error : CFG Errore connessione TCP
SV	Technician	0	21/02/2006 10.24.09	Session start

Print

Delete history

Exit

Once an event is acknowledged by the operator, it will be deleted from the event queue although it remains active in the event and graphical pages until reset have been made at the control unit. Event types present in the queue are relevant to the following status only:

The page shows the historical events in a dynamic table the sequence of events in chronological descending order (the most recent event is the first line).

The table can be filtered per period:

it is possible to select the starting date and completion date period or via the appropriate keys display events relating to the last week or the current month (figure 18)

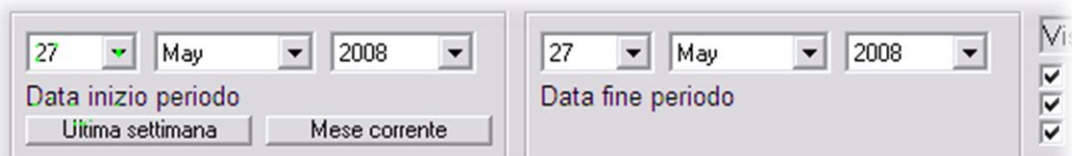
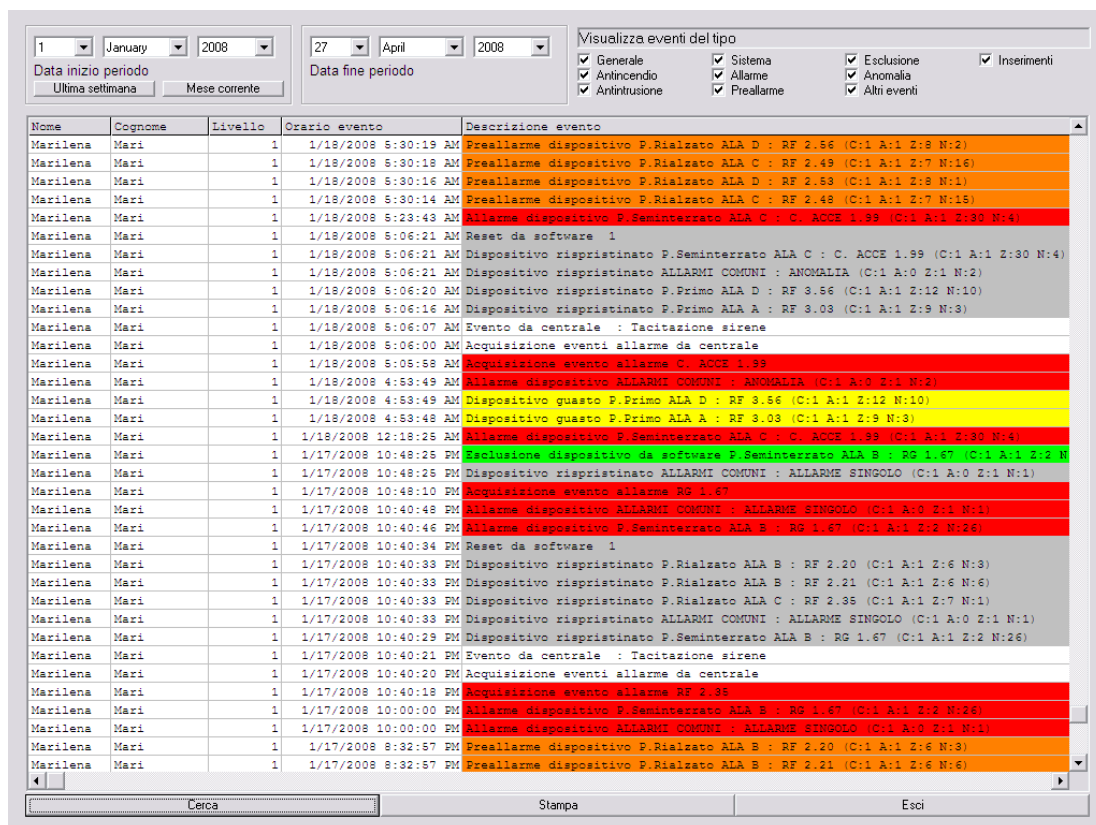


Figura 18: Maschera selezione filtro periodo

And 'possible to select what type of event to display by checking the corresponding space (fig.19)



Figura 19: Opzioni disponibili per il filtro tipo evento



Nome	Cognome	Livello	Orario evento	Descrizione evento
Marilena	Mari	1	1/18/2008 5:30:19 AM	Preallarme dispositivo P.Rialzato ALA D : RF 2.56 (C:1 A:1 Z:8 N:2)
Marilena	Mari	1	1/18/2008 5:30:18 AM	Preallarme dispositivo P.Rialzato ALA C : RF 2.49 (C:1 A:1 Z:7 N:16)
Marilena	Mari	1	1/18/2008 5:30:16 AM	Preallarme dispositivo P.Rialzato ALA D : RF 2.53 (C:1 A:1 Z:8 N:1)
Marilena	Mari	1	1/18/2008 5:30:14 AM	Preallarme dispositivo P.Rialzato ALA C : RF 2.48 (C:1 A:1 Z:7 N:16)
Marilena	Mari	1	1/18/2008 5:23:43 AM	Allarme dispositivo P.Seminterrato ALA C : C. ACCE 1.99 (C:1 A:1 Z:30 N:4)
Marilena	Mari	1	1/18/2008 5:06:21 AM	Reset da software 1
Marilena	Mari	1	1/18/2008 5:06:21 AM	Dispositivo ripristinato P.Seminterrato ALA C : C. ACCE 1.99 (C:1 A:1 Z:30 N:4)
Marilena	Mari	1	1/18/2008 5:06:21 AM	Dispositivo ripristinato ALLARMI COMUNI : ANOMALIA (C:1 A:0 Z:1 N:2)
Marilena	Mari	1	1/18/2008 5:06:20 AM	Dispositivo ripristinato P.Primo ALA D : RF 3.56 (C:1 A:1 Z:12 N:10)
Marilena	Mari	1	1/18/2008 5:06:16 AM	Dispositivo ripristinato P.Primo ALA A : RF 3.03 (C:1 A:1 Z:9 N:3)
Marilena	Mari	1	1/18/2008 5:06:07 AM	Evento da centrale : Tacitazione sirene
Marilena	Mari	1	1/18/2008 5:06:00 AM	Acquisizione eventi allarme da centrale
Marilena	Mari	1	1/18/2008 5:05:58 AM	Acquisizione evento allarme C. ACCE 1.99
Marilena	Mari	1	1/18/2008 4:53:49 AM	Allarme dispositivo ALLARMI COMUNI : ANOMALIA (C:1 A:0 Z:1 N:2)
Marilena	Mari	1	1/18/2008 4:53:49 AM	Dispositivo guasto P.Primo ALA D : RF 3.56 (C:1 A:1 Z:12 N:10)
Marilena	Mari	1	1/18/2008 4:53:48 AM	Dispositivo guasto P.Primo ALA A : RF 3.03 (C:1 A:1 Z:9 N:3)
Marilena	Mari	1	1/18/2008 12:18:25 AM	Allarme dispositivo P.Seminterrato ALA C : C. ACCE 1.99 (C:1 A:1 Z:30 N:4)
Marilena	Mari	1	1/17/2008 10:48:25 PM	Esclusione dispositivo da software P.Seminterrato ALA B : RG 1.67 (C:1 A:1 Z:2 N:1)
Marilena	Mari	1	1/17/2008 10:48:25 PM	Dispositivo ripristinato ALLARMI COMUNI : ALLARME SINGOLO (C:1 A:0 Z:1 N:1)
Marilena	Mari	1	1/17/2008 10:48:10 PM	Acquisizione evento allarme RG 1.67
Marilena	Mari	1	1/17/2008 10:40:48 PM	Allarme dispositivo ALLARMI COMUNI : ALLARME SINGOLO (C:1 A:0 Z:1 N:1)
Marilena	Mari	1	1/17/2008 10:40:46 PM	Allarme dispositivo P.Seminterrato ALA B : RG 1.67 (C:1 A:1 Z:2 N:26)
Marilena	Mari	1	1/17/2008 10:40:34 PM	Reset da software 1
Marilena	Mari	1	1/17/2008 10:40:33 PM	Dispositivo ripristinato P.Rialzato ALA B : RF 2.20 (C:1 A:1 Z:6 N:3)
Marilena	Mari	1	1/17/2008 10:40:33 PM	Dispositivo ripristinato P.Rialzato ALA B : RF 2.21 (C:1 A:1 Z:6 N:6)
Marilena	Mari	1	1/17/2008 10:40:33 PM	Dispositivo ripristinato P.Rialzato ALA C : RF 2.35 (C:1 A:1 Z:7 N:1)
Marilena	Mari	1	1/17/2008 10:40:33 PM	Dispositivo ripristinato ALLARMI COMUNI : ALLARME SINGOLO (C:1 A:0 Z:1 N:1)
Marilena	Mari	1	1/17/2008 10:40:29 PM	Dispositivo ripristinato P.Seminterrato ALA B : RG 1.67 (C:1 A:1 Z:2 N:26)
Marilena	Mari	1	1/17/2008 10:40:21 PM	Evento da centrale : Tacitazione sirene
Marilena	Mari	1	1/17/2008 10:40:20 PM	Acquisizione eventi allarme da centrale
Marilena	Mari	1	1/17/2008 10:40:18 PM	Acquisizione evento allarme RF 2.35
Marilena	Mari	1	1/17/2008 10:00:00 PM	Allarme dispositivo P.Seminterrato ALA B : RG 1.67 (C:1 A:1 Z:2 N:26)
Marilena	Mari	1	1/17/2008 10:00:00 PM	Allarme dispositivo ALLARMI COMUNI : ALLARME SINGOLO (C:1 A:0 Z:1 N:1)
Marilena	Mari	1	1/17/2008 8:32:57 PM	Preallarme dispositivo P.Rialzato ALA B : RF 2.20 (C:1 A:1 Z:6 N:3)
Marilena	Mari	1	1/17/2008 8:32:57 PM	Preallarme dispositivo P.Rialzato ALA B : RF 2.21 (C:1 A:1 Z:6 N:6)

Figura 21:gli eventi vengono evidenziati con colori differenti a seconda del tipo di evento

The "Print" command launches a print of the currently selected table to the printer configured in the section on the configuration page.

## Rquest password

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Depending on the on-screen keyboard (see page 13), the interface will vary according to the images below.

application and user switching startup shows the login window (Fig. 22).

