EN 54-2
EN 54-4
EN 54-21
EN 12094-1

cert. N.991K

0832
0832-CPR-F1342

PREVIDIA MAX

GameOver

FIRE DETECTION AND EXTINGUISHANT SYSTEM

USER'S MANUAL

inim ELECTRONICS

Warranty

INIM Electronics s.r.l. (Seller, Our, Us) warrants the original purchaser that this product shall be free from defects in materials and workmanship under normal use for a period of 24 months. As INIM Electronics s.r.l. does not install this product directly, and due to the possibility that it may be used with other equipment not approved by Us; INIM Electronics s.r.l. does not warrant against loss of quality, degradation of performance of this product or actual damage that results from the use of products, parts or other replaceable items (such as consumables) that are neither made nor recommended by INIM Electronics. Seller obligation and liability under this warranty is expressly limited to repairing or replacing, at Seller's option, any product not meeting the specifications. In no event shall INIM Electronics s.r.l. be liable to the purchaser or any other person for any loss or damage whether direct of indirect or consequential or incidental, including without limitation, any damages for lost profits, stolen goods, or claims by any other party caused by defective products or otherwise arising from the incorrect or otherwise improper installation or use of this product.

This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:

- damage arising from improper maintenance or negligence
- damage caused by fire, flood, wind or lightning
- vandalism
- fair wear and tear

IINIM Electronics s.r.l. shall, at its option, repair or replace any defective products. Improper use, that is, use for purposes other than those mentioned in this manual will void the warranty. Contact Our authorized dealer, or visit our website for further information regarding this warranty.

Limited warranty

INIM Electronics s.r.l. shall not be liable to the purchaser or any other person for damage arising from improper storage, handling or use of this product.

Installation of this Product must be carried out by qualified persons appointed by INIM Electronics. Installation of this Product must be carried out in accordance with Our instructions in the product manual.

Copyright

Table of contents

Chapter 1

General information

1.1 Details of Manufacturer

Manufacturer: INIM ELECTRONICS s.r.l

Production plant: Centobuchi, via Dei Lavoratori 10
63076, Monteprandone (AP), Italy

Tel.: +39 0735 705007

Fax: +39 0735 704912

E-mail: info@inim.biz

Web: www.inim.biz

The persons authorized by the manufacturer to repair or replace the parts of this system have authorization to work on INIM Electronics brand devices only.

1.2 About this manual

Manual code: DCMUINE0PREVIDIA

Version: 120

This manual is intended as a guide for end-users of the Previdia/Max fire-detection control panel, therefore, provides instructions on how to use the system and interpret the signals it generates.

Part of the information available on the screen and also the correct activation of some of the visual signals on the LEDs will be subject to the configuration carried out by the installer; who, by following the instructions for configuration, commissioning, maintenance and programming operations in the respective manuals, ensures the proper partitioning of the zones and the classification, addressing and configuration of the various system elements.

1.3 Operator classification - Access Levels

The control panel has 4 distinct access levels:

Level 1: Public level - this is the normal access level of the control panel and is the access level for building inhabitants who are neither authorized to use the system nor instructed in its use.

This level allows building inhabitants to view information on the screen and signalling LEDs, interact with the system (in accordance with Level 1) and scroll through the information by means of the buttons and touchscreen. Level 1 allows the following operations only:

- mute buzzer
- test signalling LEDs
- activate alarm signalling when an early-warning process is running

Level 2: Authorized users - this access level is for the system supervisors and is for authorized personnel who are adequately instructed in the use of the system and its functions.

Access requires the use of a key or entry of a valid access code with sufficient access rights. In addition to the operations described for level 1 it is also possible to carry out the following operations:

- mute alarm signalling devices
- rearm the control panel
- activate alarm signalling devices manually
- disable control panel elements
- place in test status one or more of the system elements

Level 3: Programming - this access level is for specialized technical operators who carry out system configuration, commissioning and maintenance.

Access requires entry of a valid access code with sufficient access rights after inserting a jumper which enables programming. Refer to the manual for system configuration, commissioning and maintenance.

Level 4: ONLY authorized technicians, appointed by the Manufacturer can, by means of special tools, carry out repair work on the motherboard.

1.4 CE Mark

1.4.1 Regulation (EU) No 305/2011

This product complies with requirements stated by standards listed here below in compliance with Regulation (EU) No. 305/2011.

CE
0832

INIM Electronics s.r.l.
Via Fosso Antico snc - Fraz. Centobuchi
63076, Monteprandone (AP) - Italy

16
0832-CPR-F1342

EN 54-2:1997 + A1:2006
EN 54-4:1997 + A1:2006
EN 54-2:-21 + A1:2006
EN 12094-2:-1 + A1:2003

PREVIDIA216
PREVIDIA216R

Control and indicating equipment with power supply equipment, alarm transmission and fault warning routing equipment and electrical automatic control and delay device integrated for fire detection and fire alarm systems installed in buildings and for gas extinguishing systems installed in buildings and part of a complete system.

Essential features		Performance
Performance in the event of fire		PASS
Power supply performance		PASS
Response delay (response time in the event of fire)		PASS
Performance of the transmission		PASS
Operating reliability		PASS
Durability of reliability	Thermal resistance	PASS
	Vibration resistance	PASS
	Humidity resistance	PASS
	Electrical stability	PASS
Options provided in accordance with EN54-2		**Performance**
7.8 Output to fire alarm devices		PASS
7.9 Output to fire alarm routing equipment		PASS
7.10 Output to fire protection equipment		PASS
7.11 Delay on outputs		PASS
7.12 Co-incidence detection (Type A, B and C)		PASS
7.13 Alarm counter		PASS
8.3 Point fault signal		PASS
8.9 Output to remote fault or warning signalling devices		PASS
9.5 Addressable points out-of-service		PASS
10.0 Test condition		PASS
Options provided in accordance with EN12094-1		**Performance**
4.17 Delay of extinguishing signal		PASS
4.18 Signal representing the flow of extinguishing agent		PASS
4.19 Monitoring of the status of components		PASS
4.20 Emergency hold device		PASS
4.21 Control of flooding time		PASS
4.22 Initiation of secondary flooding		PASS
4.24 Triggering signals to equipment within the system		PASS
4.26 Triggering of equipment outside the system		PASS
4.27 Emergency abort device		PASS
4.28 Control of extended discharge		PASS
4.29 Release of the extinguishing media for selected flooding zones		PASS
Additional information according to EN 54-2		
About information required at point 12.2.1, see data contained in this manual.		
Additional information according to EN 54-4		
About information required at point 7.1, see data contained in this manual.		
Additional information according to EN 54-21		
About information required at point 7.2.1, see data contained in this manual.		
Additional information according to EN 12094-1		
Environmental class: A Degree of protection: IP30 Flooding zones: up to 24 Zones from 1 a 24 for CO2, inert gas or halogenated hydrocarbons. Response delay activation condition: max 3s Response delay triggering of outputs: max 1s		

1.4.2 Directive 1999/5/EC

Hereby, INIM Electronics S.r.l. declares that these Previdia216 and Previdia216R with IFMDIAL module are in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Following paragraph explains how to download the complete Declaration of Conformity.

This product may be used in all EU Countries.

1.4.3 Documents for the users

Declarations of Performance, Declarations of Conformity and Certificates concerning to INIM Electronics S.r.l. products may be downloaded free of charge from the web address www.inim.biz, getting access to Extended Access and then selecting "Certifications" or requested to the e-mail address info@inim.biz or requested by ordinary mail to the address shown in *paragraph 1.4.1*.

Manuals may be downloaded free of charge from the web address www.inim.biz, getting access to Extended Access and then selecting "Manuals".

Chapter 2

Operative statuses of the Previdia/Max system

Standby: Operating status of the control panel when there is no ongoing alarm or fault signalling.

This status is altered by the occurrence of an event, that is, an operative status which is characterized by an activation (when the event occurs) and a reset (when the event ends).

Alarm: Status of the control panel generated by manual activation (for instance, from a call point) or automatic activation (signal from a detector). This is followed by an alarm signal.

Early warning: This is the status of the control panel during the interval (delay) which runs between the detection of an alarm condition and the actual signalling of the alarm (delay).

Investigate: This command is activated by a supervisor, during an early-warning condition, it provides an extension of the early-warning delay and allows the supervisor to verify the cause of the alarm.

Evacuate: This command is activated by a supervisor, during an early-warning condition, it cancels the delay and instantly activates alarm signalling (evacuation).

Reset: This operator-activated command annuls the current status of the control panel (and the relative signalling and activations) and resets the system to standby.

This command can be disabled in order to prevent users from activating it by mistake and annulling active signals.

Disable: This command disables part of the system

Emergency: This is the operating status of the control panel when a fault is detected on the main CPU on the FPMCPU module, as a result the emergency CPU will be activated automatically.

The emergency backup CPU ensures the efficiency of the basic functions of the system (alarm signal reception from points and activation of outputs). However, it does not ensure all the configured activation logic. For total redundancy of all the configured functions, it is necessary to add and configure a second FPMCPU unit to the control panel.

Chapter 3

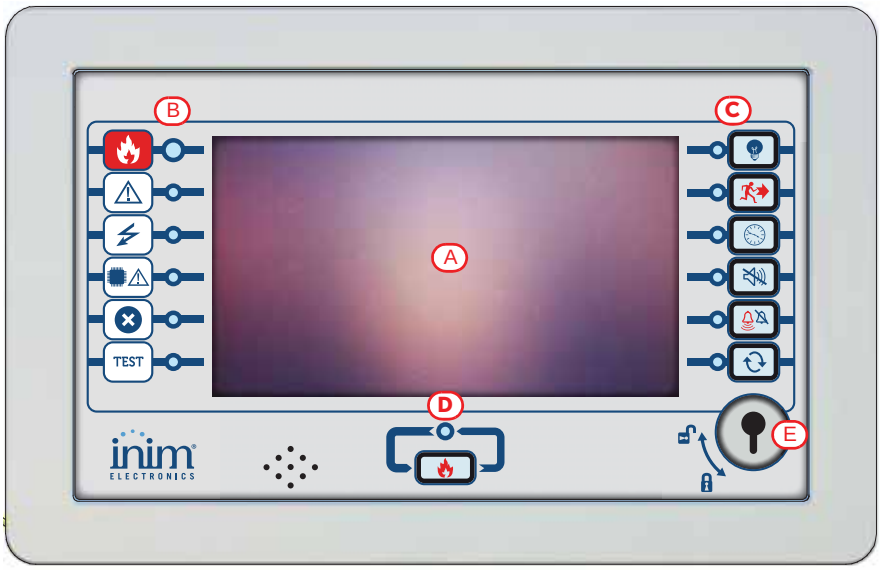
User interface

3.1 Function buttons and LEDs

The LEDs on the sides and below the screen provide visual signals which indicate the general status of the system, whereas the function buttons allow fast execution of all the main operations.

The key permits level 1 (public level) to pass to level 2 (supervisor level). When turned clockwise the key will generate a pulse which places the control panel in level 2 status. The control panel will return to level 1 if no buttons are pushed within 20 seconds.

[A]	Touchscreen display
[B]	Status LED
[C]	LED and function button
[D]	LED and multiple-alarm button
[E]	Access-key slot



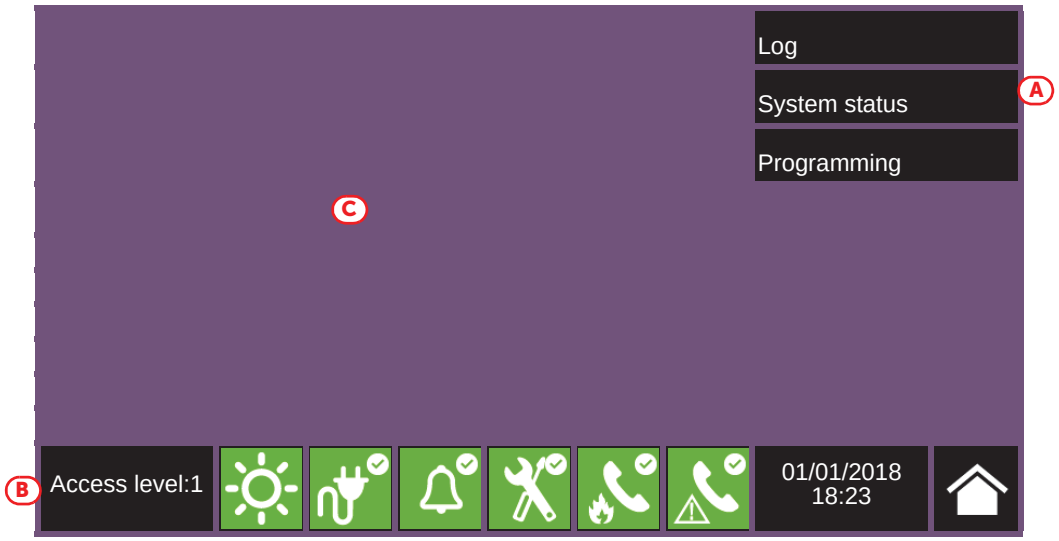
Status LED		Colour	On solid	Flashing
	Alarm	Red	Fire alarm running.	Fire alarm memory.
	Fault	Yellow	A fault (of any type) is present on the system. The details of any active faults are shown on the screen.	Fault memory. A fault has been solved.
	ON	Green	The system is functioning.	
	CPU Fault	Yellow	The Control panel CPU is not functioning. If this occurs, the emergency CPU will start up in order to ensure that the minimum security functions remain operative. Contact your service dealer.	CPU fault memory. The control panel CPU has reset and restarted.

Status LED		Colour	On solid	Flashing
	Disabled	Yellow	One or more of the system elements has been disabled.	
TEST	Test	Yellow	One or more of the system elements has been put in test mode.	

Function LEDs		Colour	On solid	Function button
	Signalling test	Yellow	The test on the visual signalling devices is running.	If this button is pressed and held all the LEDs on the control panel will light.
	Evacuate	Red	The evacuation phase has been activated manually.	Button for manual activation of the signalling devices (audible and visual) for evacuation of the premises.
	Investigate	Yellow	The investigation time has been activated.	Button to request supplementary investigation time and thus lengthen the early-warning period.
	Silence buzzer	Yellow	The buzzer has been silenced.	This button silences the control panel buzzer. Events which occur after silencing will reactivate the buzzer.
	Silence sounder	Yellow	The sounders have been silenced.	During alarm status, this button can be used to stop the audible and visual signalling devices. Pressing this button again will reactivate the silenced audible and visual signalling devices.
	Reset	Yellow	The reset function is disabled. The sounders must be silenced before the Reset function can be re-enabled.	Button for the annulment of active events and the reset of standby conditions.
	Multiple alarms	Red	More than one alarm is active on the system.	This button allows you to scroll through the active alarm events on the screen.

3.2 Screen in standby status

[A]	Buttons to access the events logs, system status and programming.
[B]	Status bar (always present) shows essential information regarding the system.
[C]	Customizable area (customizable during the programming phase) for images relating to the status of the system elements or customized function buttons .



3.3 Status Bar

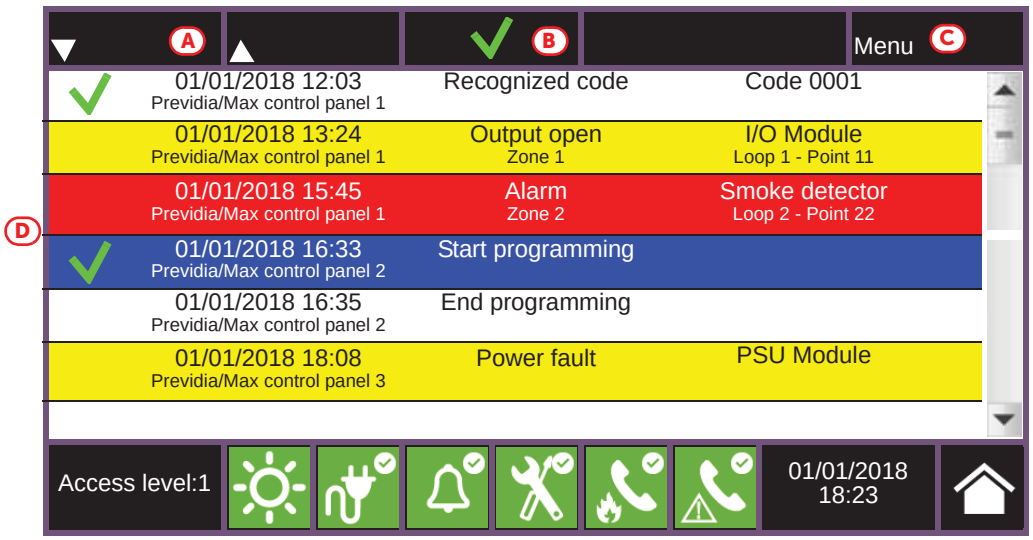
Icon		Function
Access level:1		Selection of this area will allow you to enter a code and change the current user-access level. - 1 = Public level (no code entry) - 2 = Supervision level (turn key or code entry) - 3 = Programming level (installer code entry)
Day/Night status		Day Mode: - The control panel runs the early warning phase before activating an alarm triggered by a detector - the sensitivity of the detectors is set in day mode
		Night Mode: - early warnings are not run - the sensitivity of the detectors is set in night mode - in the event of an alarm, if the sounders are silenced they will reactivate automatically after a set time.
Mains network		Mains power-supply functioning properly
		Indicates that at least one power-supply module has detected mains failure.

Icon		Function
Sounder status		Selecting this icon will access (at level 2) a menu which allows manual deactivation, activation and silencing of all fire alarm signalling devices.
		Fire-alarm signalling devices (sounders, etc.) are in standby status and are operating properly.
		At least one fire alarm signalling device is in fault status. Contact your service dealer.
		At least one fire alarm signalling device is disabled
		At least one fire alarm signalling device has been activated
Configuration status		No hardware anomalies on the control panel
		A hardware problem has been detected inside the control panel (module malfunction). Contact your service dealer.
Alarm communicator status		If installed, remote alarm-signalling devices (telephone diallers or communicators to alarm receiving centres) are in standby status and operating efficiently.
		A fault has occurred on a remote alarm-signalling device. Contact your service dealer.
		An alarm communicator has been disabled.
		A remote alarm-signalling device is operating (transmitting a communication)
		An alarm communication has been sent and confirmed by the recipient
		An alarm communication has been sent but not confirmed by the recipient
Fault-communicator status		If installed, remote fault-signalling devices (telephone diallers or communicators to alarm receiving centres) are in standby status and operating efficiently.
		A fault has occurred on a remote fault-communicator device.
		A fault communicator has been disabled.
		A remote fault-signalling device is operating (transmitting a communication)
		A fault communication has been sent and confirmed by the recipient
		A fault communication has been sent but not confirmed by the recipient
		Indicates the current date and time, selection of this area accesses (at level 2) the date and time setting section.
Home		Allows users to go directly to the home template or, when events are active, from the home template to the active events template.

3.4 View events log

The "Log" button (*paragraph 3.2 - [A]*, accessible at level 1) accesses a template which contains all the events saved to the memory.

[A]	Arrow buttons to scroll through the events list
[B]	Check button for the selected event
[C]	Button to exit the open section
[D]	Events list



Each line in the list *[D]* represents an event which has been saved to the log.

The log shows the date and time of each event, the control panel (to the left), the event description (centre) and the event details (to the right). A second tap on a previously selected event (with details) accesses a template which shows all the relative information.

It is possible to distinguish the event type by the background colour of the line:

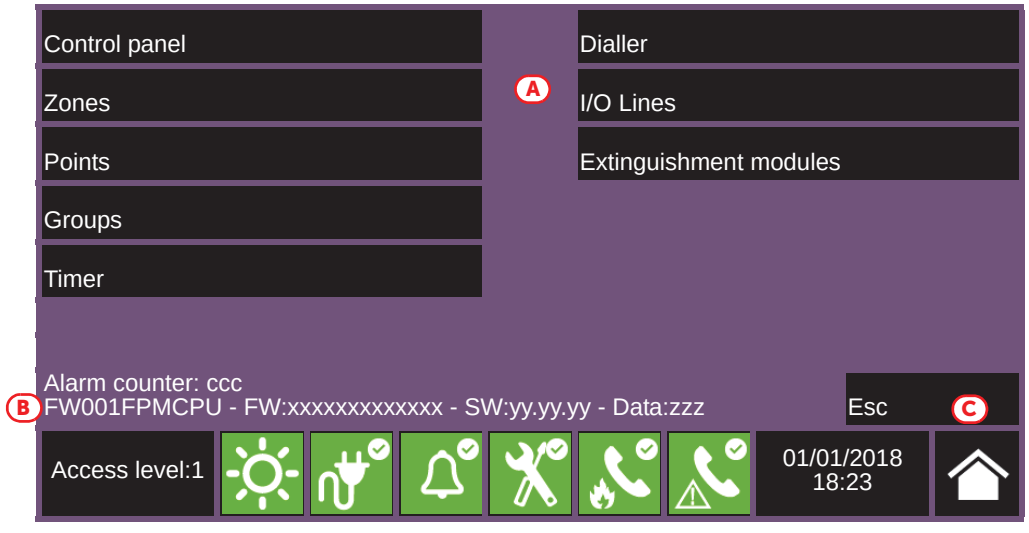
- White, indicates events relating to normal operating status
- Red, indicates events relating to alarm status
- Yellow, indicates events relating to fault status
- Blue, events selected by tapping on the screen

3.5 View system status

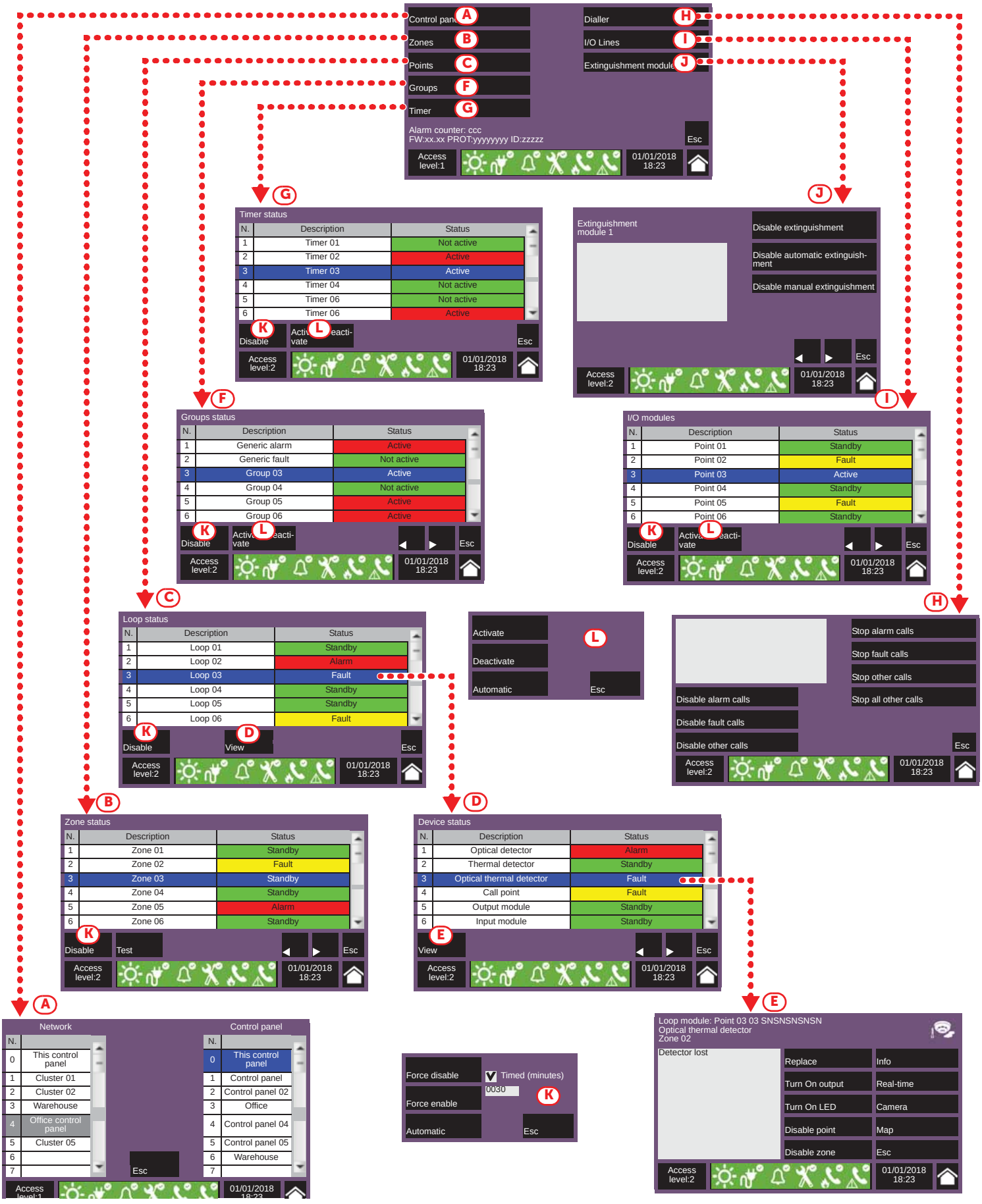
The "Panel status" button (*paragraph 3.2 - [A]*, accessible at level 1) accesses a section which allows you to view the status of the various system elements. A superior access level (2 or 3) allows the user to work on the elements being viewed and carry out operations such as enable, disable, activation or test.

Access to these functions is reserved to persons with supervisor level access who have been instructed in system management and who have knowledge of the system parts.

[A]	Access buttons to view the status of the system elements
[B]	Counter of the number of alarms and revisions of the system
[C]	Button to exit the open section



The following diagram is a view of the various templates:



[A]	Control panel	Buttons to access the template for the selection of the control panel whose parts you wish to view. It is possible to select a cluster (group of control panels connected through a LAN network) and a single control panel from the selected cluster. After selecting the **Esc** button, you will be able to view the elements in the various sections described below. If, instead, the **Home** button is selected or no control panel is selected the elements shown will be those of the control panel in use.
[B]	Zones	Button to access the zones viewing section of the selected control panel. The template is divided into pages which show a maximum of 100 zones. The arrow buttons allow you to scroll through the pages. The status of each zone is shown and made distinctive by colour: - Green, zone in standby - Yellow, zone in fault status - Red, zone in alarm status - Light yellow, zone disabled - Blue, zone selected by tapping on the screen By selecting a zone, it is possible for access level 2 users to place it in test status and/or change its operating mode (refer to this table - *[K]*).
[C]	Points	Button to access the loops template of the selected control panel. The status of each loop is shown and made distinctive by colour: - Green, loop in standby - Yellow, loop in fault status - Red, loop in alarm status - Light yellow, loop disabled - Blue, loop selected by tapping on the screen By selecting a loop and tapping on the **View** button it will be possible to access the loop devices (refer to this table - *[D]*). The **Disable** button allows you to change the operating mode (refer to this table - *[K]*).
[D]	View **Device status**	Button to access the template for the selection of the devices on selected loop. This template is divided into pages which show a maximum of 80 devices. The arrow buttons allow you to scroll through the pages. The status of each device is shown and made distinctive by colour: - Green, device in standby - Yellow, device in fault status - Red, device in alarm status - Light yellow, device disabled - Blue, device selected by tapping on the screen By selecting a device and tapping on the **View** button it will be possible to access the loop devices (refer to this table - *[E]*).
[E]	View **Device module**	Button to access and view the section of the selected device module. The template shown contains all the information regarding the device and provides access to the respective functions (*paragraph 3.7 Device management*).
[F]	Groups	Button to access the template for the management of the output groups of the selected control panel. The template is divided into pages which contain a maximum of 80 groups. The arrow buttons allow you to scroll through the pages. The status of each group is shown and made distinctive by colour: - Green, group activated - Red, group disabled - Blue, group selected by tapping on the screen By selecting a group and tapping on the **Activate/Deactivate** button, it will be possible to change its operating status (refer to this table - *[L]*). The **Disable** button allows you to change the operating mode (refer to this table - *[K]*).

[G]	Timer	Button to access the template for the management of the timers programmed for the selected control panel. The status of each timer is shown and made distinctive by colour: - Green, timer activated - Red, timer disabled - Blue, timer selected by tapping on the screen By selecting a timer and tapping on the **Activate/Deactivate** button, it will be possible to change its operating mode (refer to this table - *[L]*). The **Disable** button allows you to change the operating mode (refer to this table - *[K]*).
[H]	Dialler	Button for access to the template for communicator management and access to the telephone functions of the selected control panel (refer to the Programming manual).
[I]	I/O Lines	Button to access the template of the devices connected to the I/O terminals of the selected control panel. The template is divided into pages which contain a maximum of 80 groups. The arrow buttons allow you to scroll through the pages. The status of each line is shown and made distinctive by colour: - Green, line in standby - Yellow, line in fault status - Red, line in alarm status - Light yellow, line disabled - Blue, line selected by tapping on the screen By selecting a line and tapping on the **Activate/Deactivate** button, it will be possible to change its status (refer to this table - *[L]*). The **Disable** button allows you to change the operating mode (refer to this table - *[K]*).
[J]	Extinguishment modules	Button to access the template for the management of the extinguishment module of the selected control panel. The template allows you to view the data of an extinguishment module and access its functions. The arrow buttons allow you to scroll through the various modules installed in the system.
[K]	Disable	Button to open a window which allows you to change the enabled/disabled status of the selected element. This window provides the following buttons: - **Force disable**, to disable the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) cannot enable it. Where available, it is possible to select the "**Timed**" option and indicate the time, in minutes, during which the element must hold disabled status. - **Force enable**, to enable the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) cannot disable it. - **Release**, to enable the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) can enable it. - **Esc**, to close the window without changing the setting.
[L]	Activate/Deactivate	Button to open a window where it is possible to change the activation status of the selected element. This window provides the following buttons: - **Activate**, for the activation of the selected element. - **Deactivate**, for the deactivation of the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) cannot activate it. - **Release**, for the deactivation of the selected element. Other system elements which influence on the selected element (timers, inputs, detectors, etc.) will be able to activate it. - **Esc**, to close the window without changing the setting.
	◀ ▶	Arrow buttons
	Esc	Button to step back

System status template allows you to view the status of the various system elements and in the lower left corner of this section you can see also *[B]*:

- counter of the number of alarms starting from system installation
- firmware version of the FPMCPU module (FW, both the main and the emergency backup CPU.)
- minimum required revision of Previdia/STUDIO configuration software (SW)
- site specific data release (Data), progressive number of system configuration upgrades

3.6 Access to programming

The "Programming" button (*paragraph 3.2 - [A]*) accesses the system configuration functions.

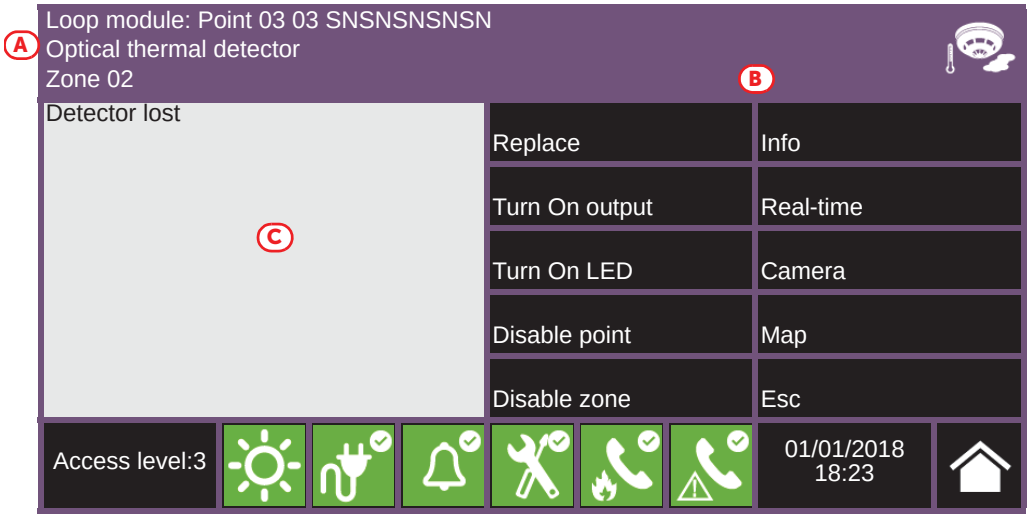
These functions are reserved for specialized technical personnel only and require entry of the installer code. Refer to the Configuration and Programming manuals.

3.7 Device management

The management template of a specific device provides all the information regarding the device itself and a series of commands which influence its status.

This section can be accessed by selecting the respective line in the list of devices involved in a specific event (refer to *paragraph 3.11 Viewing active events*) or via the relative section selected by means of the System status button. (*paragraph 3.5 View system status*).

[A]	Strings which indicate the device loop module, the zone it belongs to, its type, serial number and a description of the device.
[B]	Button to activate the commands and functions of the device
[C]	Section for viewing all the activated functions by means of the buttons on the right.



Following are the function buttons of the device; access and activation of these depend on the access level of the user.

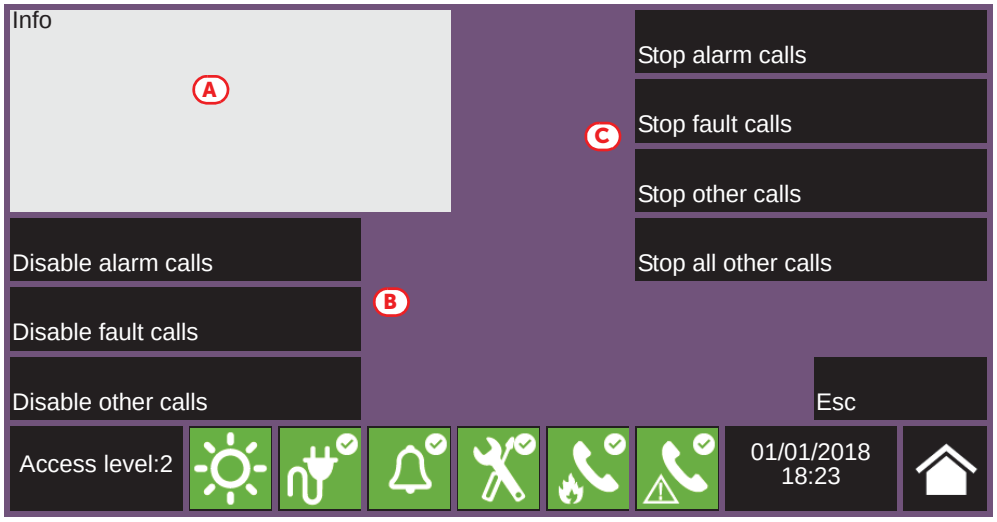
- **Change**: command to be used during the replacement procedure of devices which result faulty when selected. When the replacement of a device is required, it is first necessary to replace the device then tap on the "Change" button. The control panel will recognize automatically that the device has been replaced, but only if the new device is the same as the old one will it proceed with the replacement in the configuration data.
- **Turn On / Release output**: button to switch the device output On/Off manually.
- **Turn On / Release LED**: button to switch the green device LED On/Off manually.
- **Disable/Enable point**: button to change the status of the selected point.
- **Disable/Enable zone**: button to change the status of the zone the selected device belong to.
- **Info**: if you tap on this button, the section on the left will provide information relating to any faults or conditions other than standby which are detected on the device.
- **Real time**: the section on the left provides a graph showing all the values detected by the selected device through time.
- **Camera**: if set up, this button will open a window showing images recorded by a camera with an opportunely configured specific preset, a renewed set of the images will be shown every 5 seconds. This function allows video verification of the ambient conditions. A single tap on the screen will close the window.
- **Map**: if set up, this button will open a window showing an image of the layout of the partition where the device is installed, with a point indicating the location of the device itself. A single tap on the screen will close the window.

3.8 Telephone Dialler Management (IFMDIAL)

The functions of the IFMDIAL telephone dialler module can be managed via the "Dialler" template, accessible by means of the Panel Status button on the home page (*paragraph 3.5 View system status*).

There is also a section which provides information regarding the status of the module and telephone communications.

[A]	Section for viewing IFMDIAL module data
[B]	Function buttons for disable/enable operations
[C]	Function buttons for delete operations



Following are the function buttons of the IFMDIAL module; access and activation of these depend on the access level of the user.

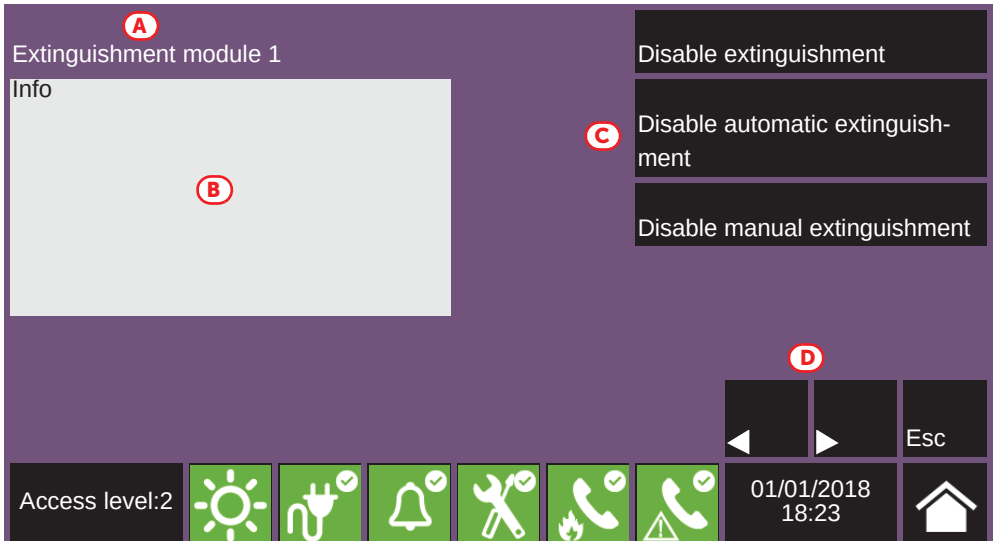
- **Disable/Enable alarm calls**: button to disable/enable the calls programmed to be sent after the detection of an alarm.
- **Disable/Enable fault calls**: button to disable/enable the calls programmed to be sent after the detection of a fault.
- **Disable/Enable other calls**: button to disable/enable the calls programmed to be sent on the occurrence of other events.
- **Stop alarm calls**: button to stop the calls in the queue which forms after the signalling of an alarm.
- **Stop fault calls**: button to stop the calls in the queue which forms after the signalling of a fault.
- **Stop other calls**: button to stop the calls in the queue which forms after the signalling of other types of event.
- **Stop all calls**: button to stop all calls.

3.9 Extinguishment module management (IFMEXT)

The functions of the IFMEXT extinguishment module can be managed via the "IFMEXT module" section, accessible through the System Status button on the home page (*paragraph 3.5 View system status*).

It is possible to operate on all the modules installed in the Previdia/Max control panel and, for each one, view the data relating to its status and extinguishment operations.

[A]	Description of current IFMEXT module
[B]	Section for viewing the IFMDIAL module data
[C]	Function buttons for disable/enable extinguishment operations
[D]	Arrow buttons for navigating through the IFMEXT modules.



Following are the function buttons of the IFMEXT module; access and activation of these depend on the access level of the user.

- **Disable/Enable extinguishment**: button to disable/enable an ongoing fire extinguishment procedure.
- **Disable/Enable automatic extinguishment**: button to disable/enable automatic activation of fire extinguishment commands.
- **Disable/Enable manual extinguishment**: button to disable/enable manual activation of fire extinguishment commands.

3.10 Extinguishment module LED panel (FPMEXT)

If the control panel is set up to manage fire extinguishing systems, one or more modules (external FPMEXT modules) will be installed on the front plate of the control panel cabinet.

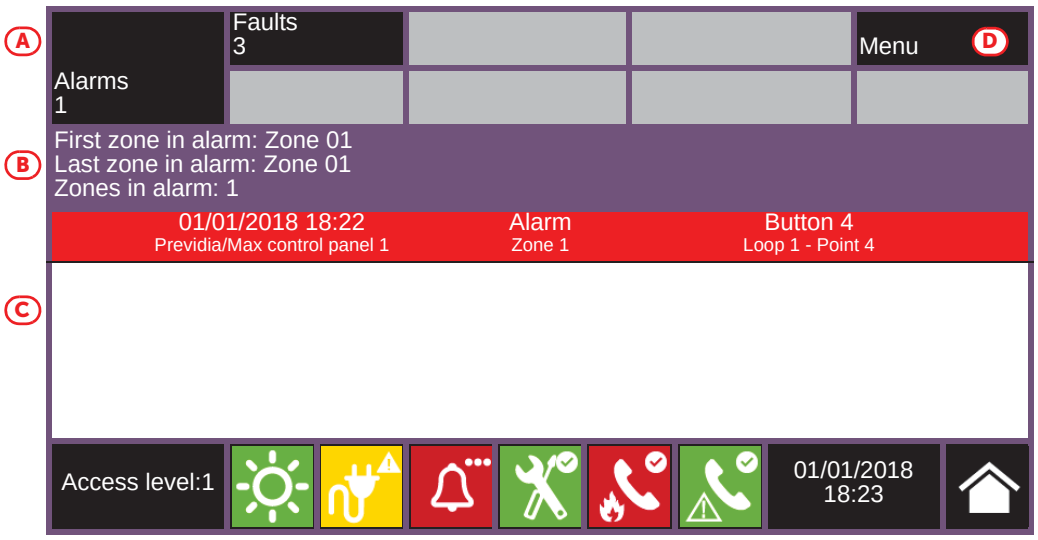
Each module has 40 tricolour LEDs which replicate the signals of up to 5 IFMEXT.extinguishment modules on the control panel front plate.

FPMEXT LED		Colour	On solid	Flashing
	Extinguishment channel activation LED	Red	Discharge activated	Pre-extinguishment condition running
	Extinguishment channel disabled LED	Yellow	Channel disabled	/
	Automatic activation LED	Red	Automatic discharge command activated	Automatic discharge command partially activated
	Manual activation LED	Red	Manual discharge command activated	/
	Manually locked extinguishment LED	Yellow	Extinguishment locked	Fault on lock-extinguishment circuit
	Lock extinguishment command LED (lock command from non-electrical-device)	Yellow	Extinguishment locked	Fault on lock-extinguishment circuit
	Generic fault LED	Yellow	/	Generic fault on extinguishment channel
	CPU fault LED	Yellow	Generic CPU fault on extinguishment module	/

3.11 Viewing active events

When events are active, or at least a condition is momentarily active and requires notification, the standby template on the screen (*paragraph 3.2 Screen in standby status*) will be replaced by a template which provides the respective notification.

[A]	Buttons for event categories
[B]	Additional information for the last alarm event
[C]	List of active events in the selected category
[D]	Button to return to the standby template



The screen shows the active events on the system grouped in categories. These are represented by buttons at the top of the template (*[A]*) which indicate the number of currently active events of each type.

Touching any one of these buttons will allow you to view all the events in the respective category. These are listed in order of occurrence. If the event has been generated by a device, tapping the respective line will allow you to access and view the template of the device concerned (*paragraph 3.7 Device management*).

Buttons associated with the events which are not active will remain grey.

After 30 seconds of inactivity the screen will automatically go to the page containing the category of events with the highest priority. The priority is given as follows:

1. **Fire Alarm**: signal associated with fire-alarm conditions. These indicate potentially dangerous conditions which require maximum attention.
   When an alarm occurs, the section directly below the event buttons (*[B]*) shows the early-warning countdown and, after the alarm, a summary of the data relating to the zones involved.
2. **Gas Alarm**: signal associated with gas-alarm conditions. Indicates a potentially dangerous condition which requires maximum attention.
3. **Early Warning**: signal triggered by detectors with an early warning threshold which is set below the alarm threshold. Cautionary alert which must be evaluated with attention and verified.
4. **Supervision**: signal indicating that a device or function controlled by the system is in a condition of failure. Indicates a risk which may jeopardize the proper operating capacity of the system. Verify the signalled condition carefully.
5. **Fault**: signal indicating the presence of an anomaly which might jeopardize the proper operating capacity of the system. Contact your service dealer.
6. **Monitor**: signal which is not associated with alarm or fault status, configurable during the installation phase, normally used to provide indications to the user. Represents signals of minor importance. The level of attention required depends on the use made of these signals during the system configuration phase.
7. **Disablements**: signal indicating the disablement of one or more of the system elements. Indicates that it is necessary to pay attention to extent of the non-operative parts and the possible consequences.
8. **Test**: signal indicating that at least one of the system elements is in test status. This status is applied during maintenance operations and maintains parts of the system in non-operative status, therefore, putting the premises in danger as the protection level of the system is reduced.

System test

INIM Electronics recommends that the entire system be checked completely at regular intervals.

For the instructions for system testing and maintenance refer to the *Manual for system configuration, commissioning and maintenance*.

Replacement and disposal of used devices

When replacing obsolete devices, disconnect the devices concerned then complete the connections of the new devices in compliance with the instructions printed on the respective leaflets.

Contact your local municipal offices for information regarding the disposal of used electronic devices.

Do not burn used electronic devices, or allow them to pollute the environment (countryside, rivers, etc.). Electronic devices must be disposed of in a safe environment-friendly way. In order to avoid short-circuits, take all the necessary precautions when removing used batteries.

Information about disposal of batteries and accumulators

(Applicable in Countries with separate collection systems)

This marking on batteries and/or their manual and/or their packaging, indicates that batteries of this products, at the end of their working life, should not be disposed of as unsorted municipal waste, but must be object of a separate collection. Where marked, the chemical symbols Hg, Cd o Pb indicate that the battery contains mercury, cadmium or lead above the reference levels of the directive 2006/66/EC. If batteries are not properly disposed of, these substances, together with other ones contained, can cause harm to human health and to the environment.

To protect human health and the environment, to facilitate treatment and recycling of materials, separate batteries from other kind of waste and use the collection scheme stated in your area, in accordance to current laws.

This product contains a lithium metal button cell type CR2032. Furthermore, for proper operation and compliance with product standards, the installer must install a couple of lead-acid accumulators for backup use type NPL24-12I or NP 17 -12-FR or equivalent (not supplied).

Before disposing of the above, it's appropriate to remove them from their holders avoiding to damage them or causing short circuits.

ISO 9001 Quality Management
certified by BSI with certificate number FM530352

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