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0051-CPR-1863

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

PREVIDIA MAX

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

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Chapter 1

General information

1.1 Manufacturer's details

Manufacturer: INIM ELECTRONICS S.R.L.

Production plant: Centobuchi, via Dei Lavoratori 10

Municipality: 63076, Monteprandone (AP), Italy

Tel.: +39 0735 705007

Fax: +39 0735 704912

E-mail: info@inim.biz

Web: www.inim.biz

The personnel authorized by the manufacturer to repair or replace the parts of this system, hold authorization to work only on devices marketed under the INIM Electronics brand.

1.2 About this manual

Manual code: DCMUINE0PREVIDIA

Revision: 1.51

This manual is a guide for the end user and is intended to assist in the correct interpretation of the indications provided by the Previdia Max fire detection control panel.

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.

At this level it is possible to view the information on the display and on the signalling LEDs, as well as to interact using the buttons and the touch screen to scroll through the information. 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

The system provides two additional sub-levels of authorized user:

- **Superuser level**, las for the previous one, with the added possibility of replacing a loop device and registering control panels to their account with the Inim Cloud service

- **Maintenance level**, same as the previous level with the added possibility of stopping the valve pulse for those models that support extinction functions

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

0051

INIM Electronics s.r.l.
Via Dei Lavoratori 10 - Fraz. Centobuchi
63076, Monteprandone (AP) - Italy

16
0051-CPR-1863

EN 54-2:1997 + A1:2006
EN 54-4:1997 + A1:2002 + A2:2006
EN 54-21:2006
EN 12094-1:2003

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
Transmission performance		PASS
Operating reliability		PASS
Durability of operating 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		
For the information required by point 7.1, see data contained in this manual.		
Additional information according to EN 54-21		
For the information required by 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 2014/53/EU

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 2014/53/UE.

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.

Pre-alarm: 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

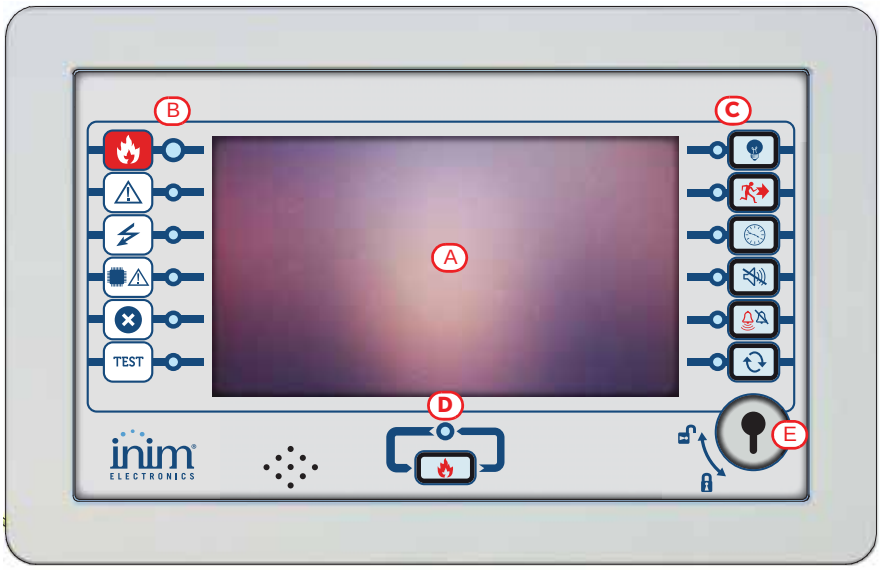
User interface

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



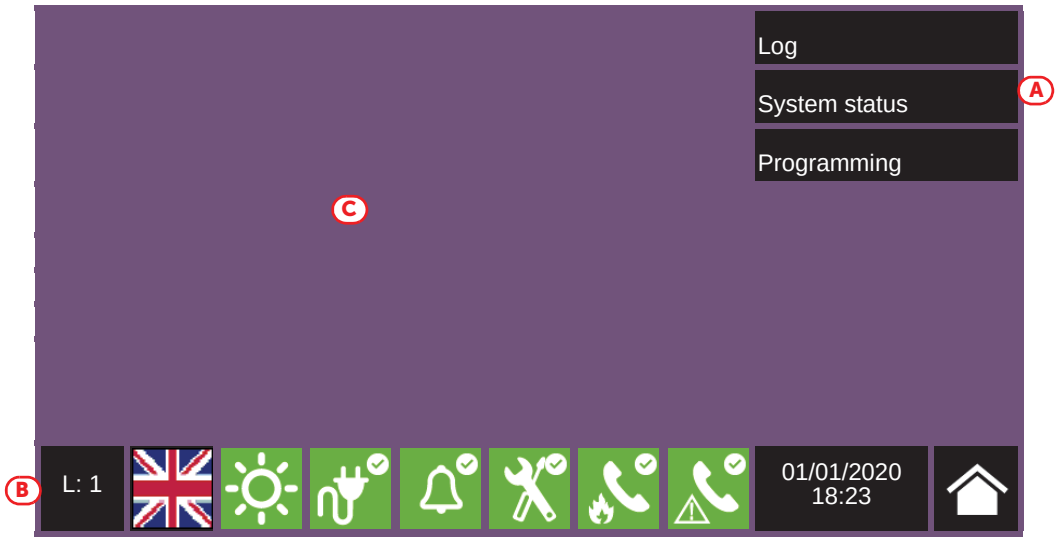
Status LED		Colour	On solid	Flashing
	Alarm	Red	Fire alarm running.	Fire alarm memory.
	Fault	Yellow	A fault (of any type) is present on the system. The details of any active faults are shown on the screen.	Fault memory. A fault has been solved.
	ON	Green	The system is functioning.	
	CPU Fault	Yellow	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.

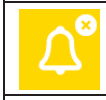
3.2 Screen in standby status

[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)
Language selection		If required by the configuration, this button will appear on the status bar. Selection of one of the icons changes the language of the control panel.
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		Selection of this icon accesses (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 dialers 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 dialers 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 screen or, when events are active, from the home screen to the active events screen.

Chapter 4

Inim Cloud Fire

The Cloud service provided by INIM Electronics offers Previdia users a way to manage their fire alarm control panels via the Internet, in addition to that already possible via direct access to the control panel display.

The connection of control panels to the Cloud service is achieved via a web interface (App or any browser) without any need to configure the network on which the control panel is installed. In particular, it is not necessary to program a router to perform port-forwarding and the like in order to reach the control panel.

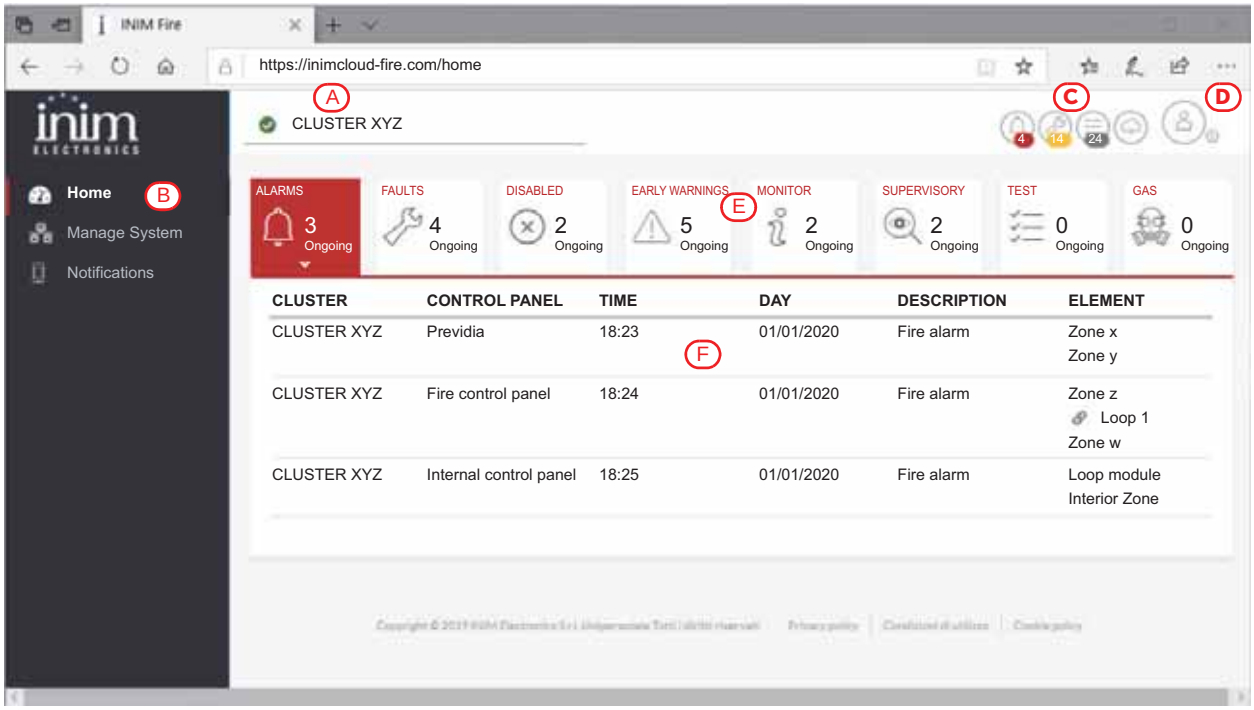
In order to use the Cloud service, the user must have their own account at www.inimcloud.com, registered as "User".

After login, the user will have access to a customized web interface which provides all the tools required for supervision of all the control panels registered by the user.

In order to access Inim Cloud services as a user, registration must be carried out also by the user (*paragraph 4.2*).

4.1 User interface, home page

Following is the description of the home page; the presence of each of the following elements described depends on the activated functions and the page you are accessing:



[A]	Button for the selection of one of the registered control panels or clusters to which it belongs and description of the selected control panel
[B]	Buttons for access to the management sections of the selected control panel

[C]	Buttons for quick viewing These are always present and overlaid show the number of unsigned events present in the System Register.		**Alarms** This button opens a window listing the last 4 alarm or tamper events.
			Faults The button opens a window listing the last 4 fault events.
			Other events This button opens a window listing the last 4 control panel events in addition to alarms and faults.
			Cloud events This button opens a window listing the last 4 cloud events.
[D]	Buttons for user profile management		
[E]	Section for visualization of all ongoing signalling		
[F]	Text section relating to the button pressed		

4.2 Registration of a control panel to the Inim Cloud user account

After logging in to the relevant Inim Cloud service user account, a user can request the registration of a new control panel in addition to those the user can access via the web interface.

The control panel that a user wants to register to their account must first be registered to the Cloud service by an installer.

1. Access the Inim Cloud service as a user.
2. By clicking on the profile management button, you access a page where you can set the parameters of the account and the registered control panels.
   In the lower section, below the list of control panels, you have the “New INIM system” section.

3. The **Add** button will allow you start the registration process. The Cloud service will send an OTP (One Time Password) number consisting of 6 digits to the user. This number has a limited time duration of 15 minutes.
4. Enter your user code at the control panel you want to register

Note: *In order to be able to register control panels to your Inim Cloud user account, you must have a user code (level 2) and a "superuser" code, or higher.*

5. Access the "System status" section, then "Cloud", then under "Enroll User"
6. Enter the OTP password and wait for the outcome of the registration.

The outcome of the procedure will be shown with one of the following messages:

- “Account created!”: the control panel has been successfully registered to Cloud
- “Communicat.Error”: generic communication error.

  The possible causes may be:
  - no Internet connection
  - date of manufacture of the control panel is earlier than dd/mm/yyyy
  - date/time of control panel different, ahead of or behind the exact date/time by more than 15 minutes
- “Already enrolled”: the control panel is already registered to Cloud
- “Bad/expired OTP”: the entered password is incorrect or expired
- “Panel notEnabled”: the control panel cannot be registered to Cloud.

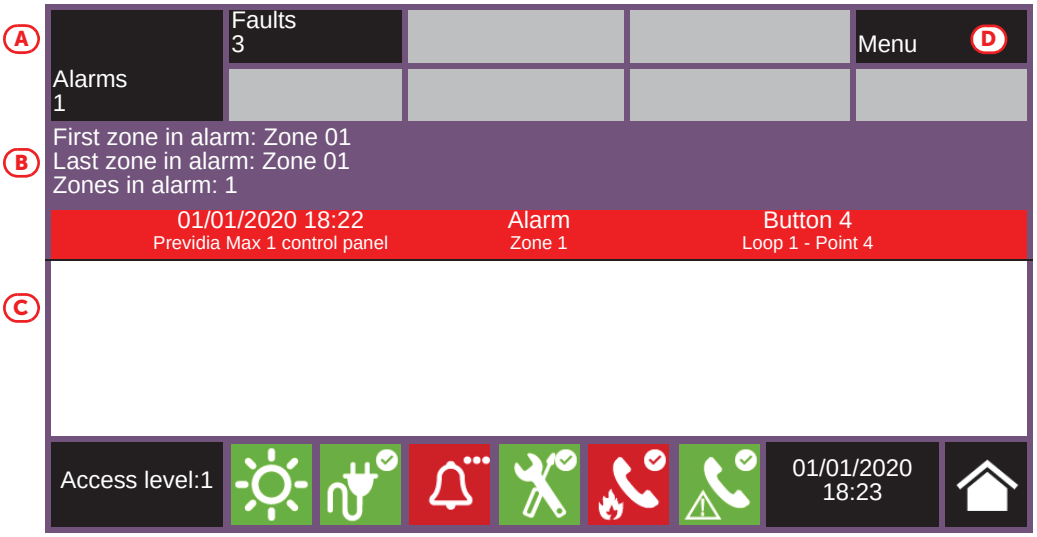
Chapter 5

Viewing the system

5.1 Viewing active events

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

[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 screen



The screen shows the active events on the system grouped in categories. These are represented by buttons at the top (*[A]*) which are enabled and indicate the number of events of this type active at that moment.

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 section relating to the device concerned (*paragraph 6.2 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. These indicate potentially dangerous conditions which require 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. They are signals of minor importance and 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 condition, to be applied during maintenance operations, maintains parts of the system in non-operative status, therefore, putting the premises in danger as the protection level of the system is reduced.

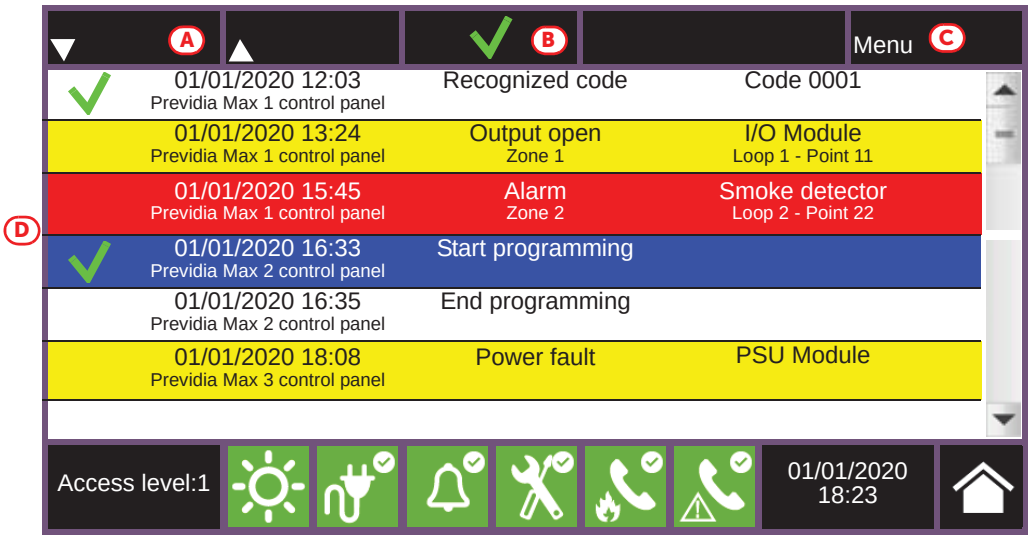
Inim Cloud: This function is available via:

Home *select one of the available control panels*

5.2 View events log

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

[A]	Arrow buttons to scroll through the events list
[B]	Button to mark 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 (in the center) and the event details (to the right). A second tap on a previously selected event (with details) accesses a page 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, indicates an event selected by tapping on the screen

Inim Cloud: This function is available via the fast viewing buttons (*paragraph 4.1 - [C]*) or via:

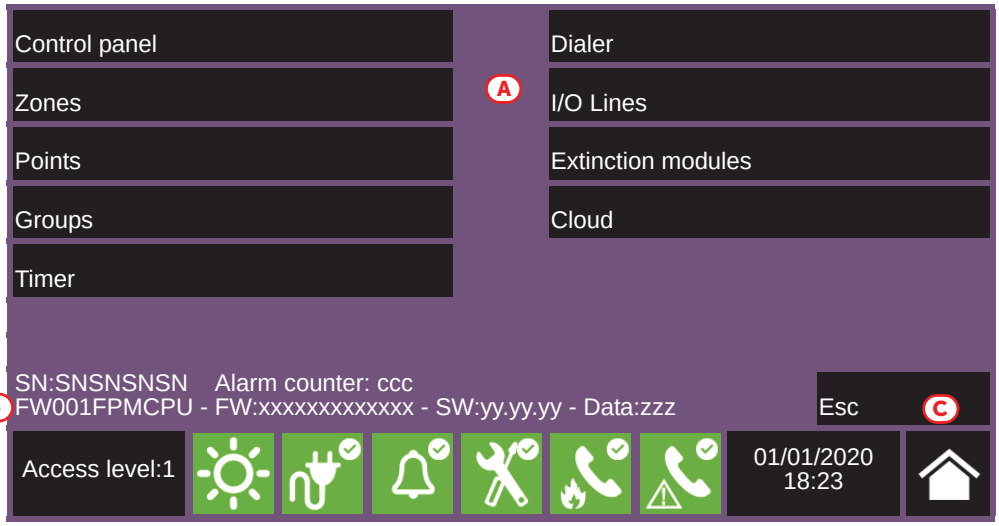
Manage System > **Events log**

5.3 View system status

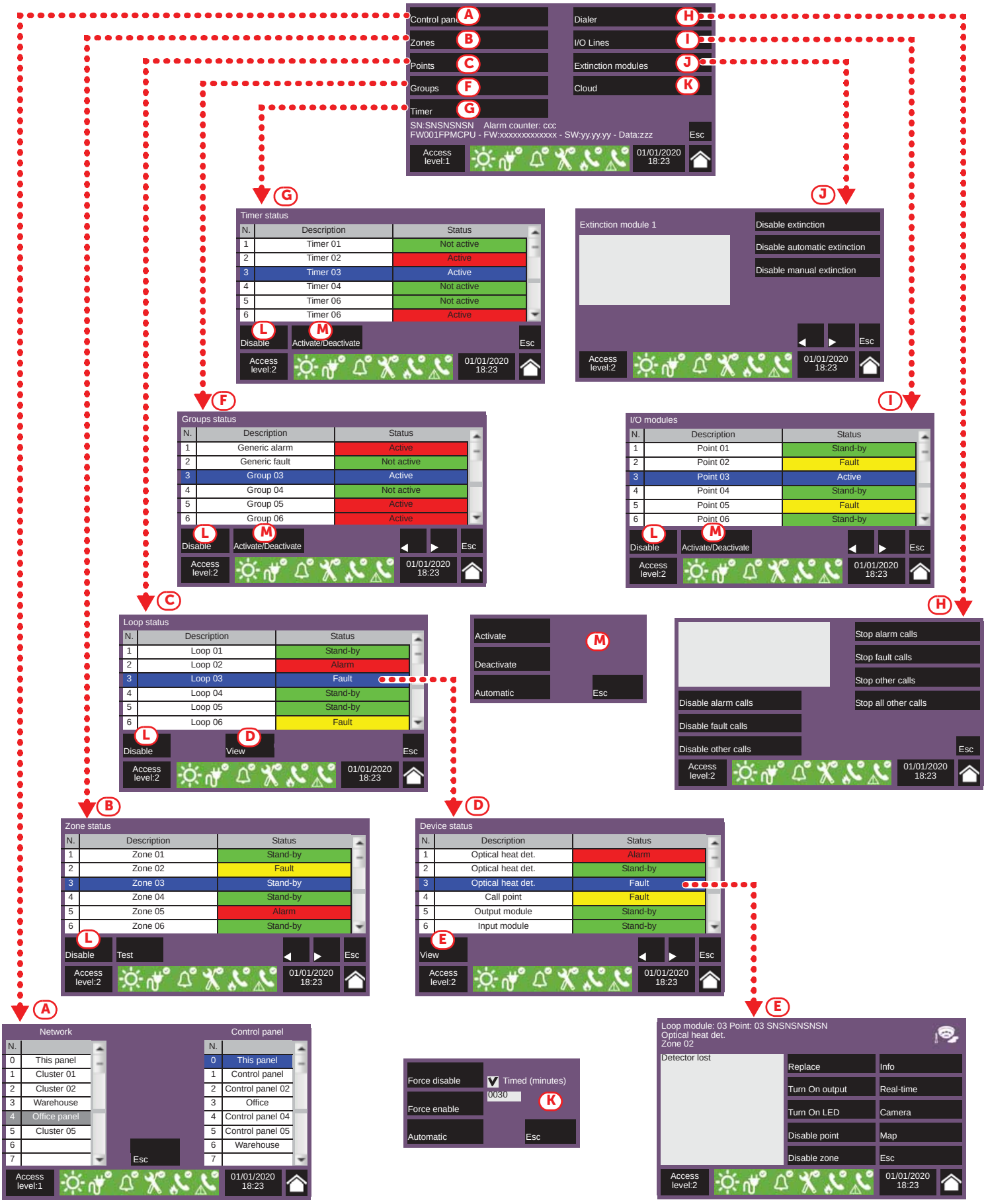
The "System status" button (*paragraph 3.2 - [A]*, accessible at level 1) accesses a section which allows you to view the status of the various system elements. A superior access level (2 or 3) allows the user to work on the elements being viewed and carry out operations such as enable, disable, activation 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]	Serial number of the FPMCPU module, indicators of the number of alarms and system revisions
[C]	Button to exit the open section



The following diagram is a view of the various screens:



[A]	Control panel	Buttons to access the section 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. This section 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 - *[L]*).
[C]	Points	Button to access the section for the selection of the loops 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 - *[L]*).
[D]	View **Device status**	Button to access the section for the selection of the devices on selected loop. This section 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 section shown provides all the information regarding the device as well as access to the respective functions (*paragraph 6.2 Device management*).
[F]	Groups	Button to access the section for the management of the output groups of the selected control panel. This section 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 - *[M]*). The **Disable** button allows you to change the operating mode (refer to this table - *[L]*).

[G]	Timer	Button to access the section for the management of the timers programmed for the selected control panel. The activation 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 - *[M]*). The **Disable** button allows you to change the operating mode (refer to this table - *[L]*).
[H]	Dialer	Button for access to the section 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 section for the visualization of the devices connected to the I/O terminals of the selected control panel. This section 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 - *[M]*). The **Disable** button allows you to change the operating mode (refer to this table - *[L]*).
[J]	Extinction modules	Button to access the section for the management of the extinction module of the selected control panel. The section allows you to view the data of an extinction module and access its functions. The arrow buttons allow you to scroll through the various modules installed on the system.
[K]	Cloud	Button to access the section for the configuration of the Inim Cloud service. A window opens containing the following buttons: - **Enroll user**, for the registration procedure of the control panel to the user's account (refer to*paragraph 4.2 Registration of a control panel to the Inim Cloud user account*) - **Network diagnostics**, for the process that checks the various network functions required to communicate with the Cloud and obtain useful information in the event of problems. The information obtained is displayed in the left pane.
[L]	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 disable it. - **Esc**, to close the window without changing the setting.
[M]	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

The section dedicated to the visualization of the system status also provides the installer with the following information, shown in the lower left corner of the section *[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

Inim Cloud: Part of the functions described and the visualization of the system status are available via:

Manage System > *select one of the available control panels*

5.4 Extinction 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.extinction modules on the control panel front plate.

FPMEXT LED		Colour	On solid	Flashing
	Extinction channel activation LED	Red	Discharge activated	Pre-extinction condition running
	Bypass extinction channel LED	Yellow	Channel bypassed	/
	Automatic activation indicator LED	Red	Automatic discharge command activated	Automatic discharge command partially activated
	Manual activation LED	Red	Manual discharge command activated	/
	Manual stop extinction LED	Yellow	Lock extinction command activated	Fault on stop-extinction circuit
	Stop extinction LED from non-electrical-devices	Yellow	Lock extinction command activated	Fault on stop-extinction circuit
	Generic fault LED	Yellow	/	Generic fault on extinction channel
	CPU fault LED	Yellow	Generic CPU fault on extinction module	/

Inim Cloud: Some of the indications described above can be viewed via:

Manage System > *select one of the available control panels* > **Extinction**

Chapter 6

Using the system

6.1 Access to programming

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

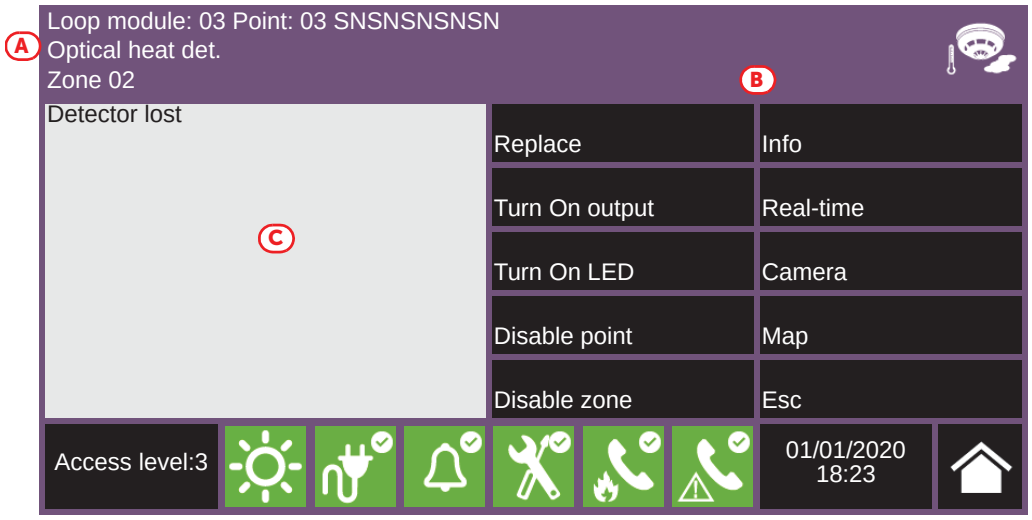
These functions are reserved for specialized technical personnel only and require entry of the installer code. Refer to the Configuration and Programming manuals.

6.2 Device management

The management section 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 5.1 Viewing active events*) or via the relative section selected by means of the System status button. (*paragraph 5.3 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 press this button, the section on the left will provide information relating to any faults or conditions other than stand-by 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.

Inim Cloud: Access to the points of the system and some of these functions are available via:

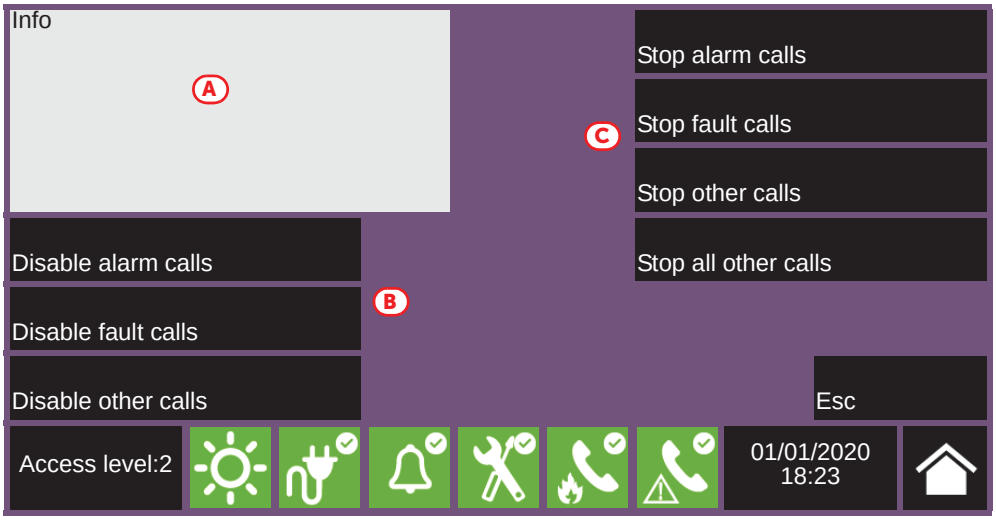
Manage System > *select one of the available control panels* > **Zones**

6.3 Telephone Dialer Management (IFMDIAL)

From the "Communicator" section, accessible via the system display menu (*paragraph 5.3 View system status*), it is possible to manage the functions of the IFMDIAL telephone communication module.

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.

Inim Cloud: This function is available via:

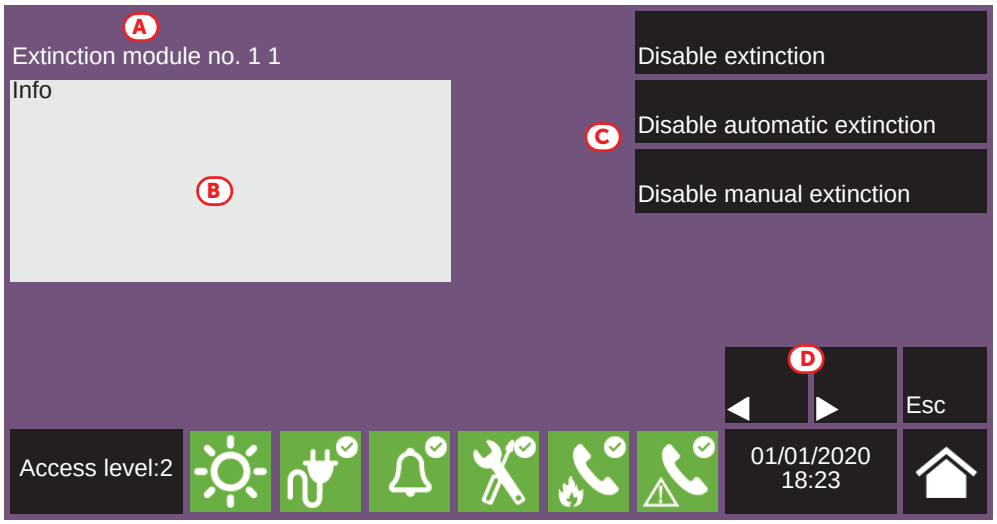
Manage System > *select one of the available control panels* > **Communicator**

6.4 Management of the extinction module (IFMEXT)

The functions of the IFMEXT extinction module can be managed via the "IFMEXT module" section, accessible through the System Status button on the home page (*paragraph 5.3 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 extinction operations.

[A]	Description of current IFMEXT module
[B]	Section for viewing the IFMDIAL module data
[C]	Function buttons for disable/enable extinction 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 extinction**: button to disable/enable an ongoing fire extinction procedure.
- **Disable/Enable automatic extinction**: button to disable/enable automatic activation of fire extinction commands.
- **Disable/Enable manual extinction**: button to disable/enable manual activation of fire extinction commands.

Inim Cloud: These functions are available via:

Manage System > *select one of the available control panels* > **Extinction**

WEEE

Informative notice regarding the disposal of electrical and electronic equipment (applicable in countries with differentiated waste collection systems)

The crossed-out bin symbol on the equipment or on its packaging indicates that the product must be disposed of correctly at the end of its working life and should never be disposed of together with general household waste. The user, therefore, must take the equipment that has reached the end of its working life to the appropriate civic amenities site designated to the differentiated collection of electrical and electronic waste. As an alternative to the autonomous-management of electrical and electronic waste, you can hand over the equipment you wish to dispose of to a dealer when purchasing new equipment of the same type. You are also entitled to convey for disposal small electronic-waste products with dimensions of less than 25cm to the premises of electronic retail outlets with sales areas of at least 400m2, free of charge and without any obligation to buy.

Appropriate differentiated waste collection for the subsequent recycling of the discarded equipment, its treatment and its environmentally compatible disposal helps to avoid possible negative effects on the environment and on health and favours the re-use and/or recycling of the materials it is made of.

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 these 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.

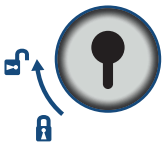
To protect human health and the environment, to facilitate treatment and recycling of materials, separate batteries from other kind of waste and use the collection scheme stated in your area, in accordance to current laws.

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.

Appendix

Rapid emergency management

Sequence		in the event of ALARM
1		Mute the buzzer
2		Pass to access level 2 by turning the key clockwise (one pulse sufficient)
3		Silence the sounders
4		Verify signalling on the display
5		In the event of false alarm press the reset button
		In the event of danger activate manual evacuation

Sequence		in the event of FAULT
1		Mute the buzzer
2		Pass to access level 2 by turning the key clockwise (one pulse sufficient)
3		Verify signalling on the display
4		Repair the fault If necessary, contact the service manager
5		Press the reset button to clear the fault memory

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