PREVIDIA|COMPACT

ANALOG-ADDRESSABLE FIRE ALARM CONTROL PANEL,
EXTINGUISHANT SYSTEM CONTROL PANEL,
ALARM TRANSMISSION AND FAULT WARNING ROUTING EQUIPMENT

USER'S MANUAL

inim
E L E C T R O N I C S

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 components of this system have authorization to work only on devices marketed under the INIM Electronics brand.

1.2   About this manual

Manual code: DCMUINE0PREVIDIAC

Revision: 1.10

This manual describes the procedures for the configuration, commissioning and maintenance of the Previdia Compact fire-detection system.

1.3   Operator qualifications - 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 display the information on the display and on the signalling LEDs, interact using the buttons and 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**, like the previous one, with the added possibility of replacing a loop device and registering control panels to the Inim Cloud service account
- **Maintenance operator 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.

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

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.

<table>
<tr><td>

C E

0051

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

18
0051-CPR-1498

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

PREVIDIA-C200LG, PREVIDIA-C200LR, PREVIDIA-C200LZG,
PREVIDIA-C200LZR, PREVIDIA-C200LZEG, PREVIDIA-C200LZER

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.

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C E

0051

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

18
0051-CPR-1499

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

PREVIDIA-C050SG, PREVIDIA-C050SR, PREVIDIA-C050SZG,
PREVIDIA-C050SZR, PREVIDIA-C050SZEG, PREVIDIA-C050SZER,
PREVIDIA-C100SG, PREVIDIA-C100SR, PREVIDIA-C100SZG,
PREVIDIA-C100SZR, PREVIDIA-C100SZEG, PREVIDIA-C100SZER,
PREVIDIA-C200SG, PREVIDIA-C200SR, PREVIDIA-C200SZG,
PREVIDIA-C200SZR, PREVIDIA-C200SZEG, PREVIDIA-C200SZER

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.

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</table>

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
4.23 Manual only mode		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
4.30 Activation of alarm devices with diverse signals		PASS
(*) one only between 4.20 and 4.27		
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: 1 Zones 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 Previdia Compact are in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

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 Compact 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

Chapter 3

User interface

3.1 Front plate models

The user interface of the Previdia Compact control panel consists of a touch-screen display, buttons and LED indicators mounted on the front plate.

Depending on the control panel model, there are three different types of user interfaces:

PREVIDIA-Cxxxxx	Standard model	
PREVIDIA-CxxxxZx	Model with LED indicators for signalling the status of the zones	
PREVIDIA-CxxxxZEx	Model with LED indicators for signalling the status of the zones and management of the extinction channel	

All information provided by the control panel and on its front plate is also available via a repeater, this is a device which allows you to view the information from a remote location. There are two different repeater models available, with different user interfaces:

PREVIDIA-C-REP	Standard model	
PREVIDIA-C-REPE	Model with extinction channel management	

3.2   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]	Function buttons	
[D]	LED and multiple-alarm button	
[E]	Access-key slot	
[F]	Zone status LEDs (only on certain models)	
[G]	Extinction channel status LED (only on certain models)	

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 CPU of the control panel is out of service or one of the microcontrollers inside the cabinet does not respond. If the fault does not clear when the Reset button is pressed, contact the technical-assistance service.	CPU fault memory. The control panel CPU has reset and restarted.
	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.

3.3   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 .	
[D]	Date and Time of the system Selection of the indication accesses (at level 2) the date and time setting window	
[E]	Button to change the language used by the control panel, if required by the configuration	

3.4   Status Bar

Icon	Function
Access level:1	Selection of this area allows you to enter a code and change the current user-access level. - 1 = Public level (no code entry) - 2 = Supervision level (turn key or user 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 will change the language used by the control panel.
Day/Night status	Selection of this icon (at level 2) allows you to switch from day mode to night mode or vice versa.
	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	Selection of this icon displays a screen showing the voltages, currents and temperatures of the power section.
	Mains power-supply functioning properly
	Indicates mains-power failure
Alarm signaller 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

Icon	Function
	Selection of this icon accesses the management window of the remote communicator for alarm signalling.
	If installed, remote alarm-signalling devices (voice or digital telephone communicators associated with 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.
Alarm communicator status	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
	A fault has occurred on at least one remote alarm-communicator device. At the same time, an alarm communication has been sent and confirmed by the recipient
	A fault has occurred on at least one remote alarm-communicator device. At the same time, another remote alarm-signalling device is operating properly (transmitting a communication)
	Selection of this icon accesses the management window of the remote communicator for fault signalling.
	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.
Fault-communicator status	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
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 INIM Electronics Cloud service of provides Previdia users with a way to manage their fire alarm control panels via the Internet, added to that is the possibility to access the control panel screen directly.

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 in 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 allow use of 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 use the Inim Cloud services, 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:
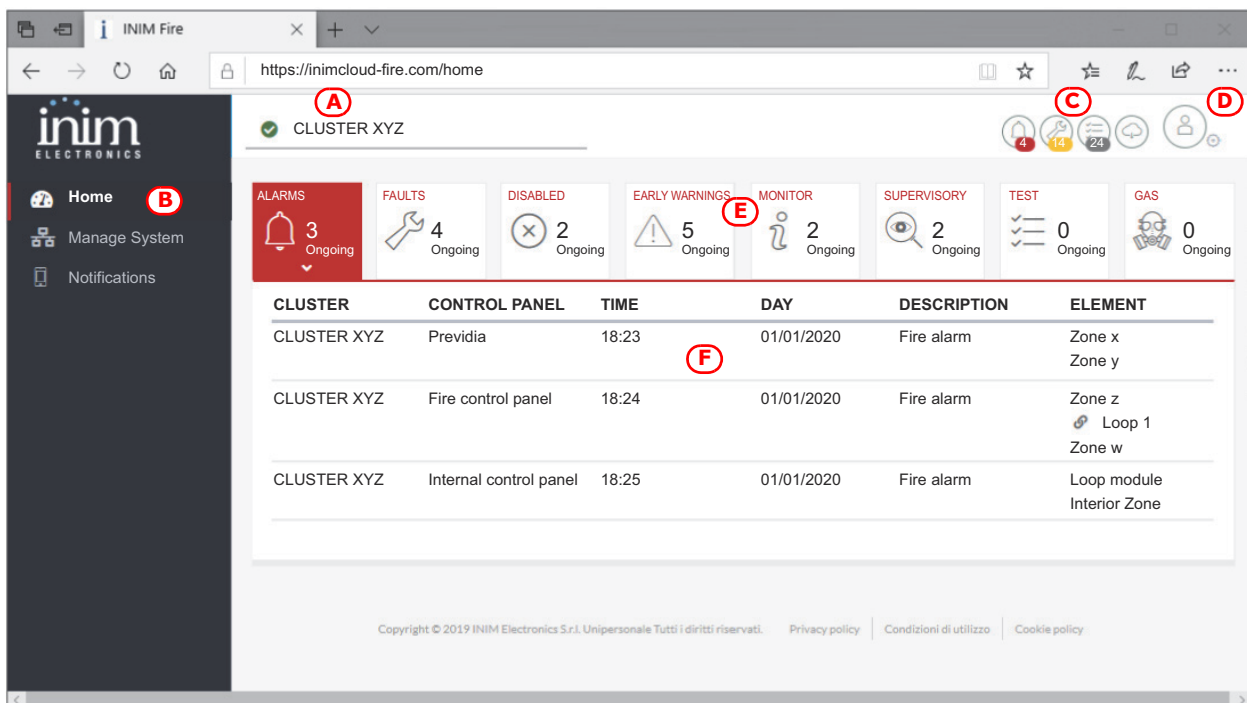
[A]	Button for selecting one of the registered control panels or clusters to which it belongs and the description of the selected control panel
[B]	Buttons for access to the management sections of the selected control panel

[C]	Buttons for quick viewing These are always present and show, superimposed, the number of events present in the Installation Register that are unsigned.		**Alarms** Button that opens a window listing the last 4 alarm or tamper events.
			Faults Button that opens a window listing the last 4 fault events.
			Other events Button that opens a window listing the last 4 control panel events as well as any alarms or tamper events.
			Cloud events Button that opens a window listing the last 4 Cloud events.
[D]	Buttons for user profile management		
[E]	Section for viewing all the signalling in progress		
[F]	Text section relating to the button pressed		

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

After creating an Inim Cloud service account, the user can request the registration of a new control panel to those they have access to via the web interface.

The control that the 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. Clicking on the button that manages your profile accesses 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) of a "superuser" type or higher.*

5. Access the "System Status" section, then "Cloud", then the "Enroll" option.

6. Enter the OTP password and wait for the registration result.

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

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

  The possible causes may be:
  - no Internet connection
  - date of manufacture of the control panel is before 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

If there are any active events, that is, at least one condition worthy of note has been detected in the system and is currently active, the display stand-by screen (*paragraph 3.3*) will be replaced by a screen which provides the respective notification.

The screen will show the active events on the system grouped in categories. The various categories are represented by the icons at the top *[A]* which are enabled when events occur and show below the number of events of the currently active type *[B]*.

Touching any one of these buttons allows you to view all the events in the associated category. The events are listed in a chronological order *[C]* and can be scrolled with the arrow keys.

By selecting with a touch an event generated by a loop device, you will access the management page of the device itself (refer to *paragraph 6.2 Device management*).
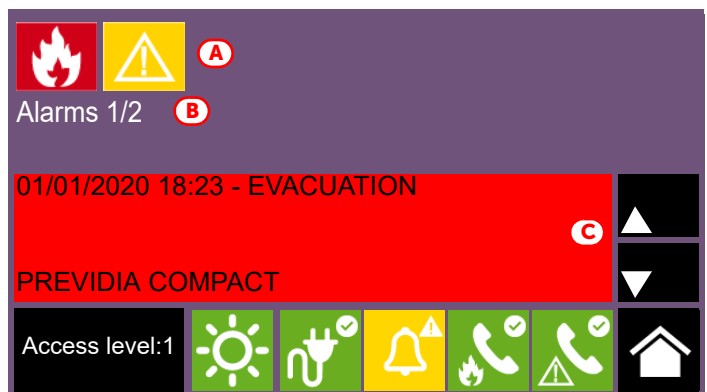
Icons for categories for which there are currently no active events do not appear.

After 30 seconds of inactivity the screen will automatically go to the screen containing the category of events with the highest priority. The priority is shown in the following list:

Priority	Icon		Category
1		Fire alarm	Signalling associated with fire-alarm conditions. These indicate potentially dangerous conditions which require maximum attention. When an alarm occurs, the section below the event buttons *[B]* shows the pre-alarm time count in progress and then, alarm over, the summary of information on the zones in alarm.
2		Gas alarm	Signalling associated with gas-detection alarm conditions. These indicate potentially dangerous conditions which require maximum attention.
3		Early warning	Signalling triggered by detectors with a threshold below that set for alarms. Cautionary alert which must be evaluated with attention and verified.
4		Supervision	Signalling of the activation of a device that has a control function (supervision) of another part of the system. Indicates a risk which may jeopardize the proper operating capacity of the system. Verify the signalled condition carefully.
5		Fault	Signals relating to of faults detected in the system. They represent risk conditions that may compromise the proper operating capacity of the system. Contact your service dealer.
6		Monitor	These are non-alarm or fault signals that can be configured during installation, 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	These signals indicate the disablement of one or more of the system elements. They Indicate that it is necessary to consider that parts of the system might not be operative.

Priority	Icon		Category
8	TEST	Test	These signals indicate 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 becomes available via:

Home > *select one of the available control panels*

5.2   Visualization of the events log

The **Log** button (*paragraph 3.3*), accessible at level 1, accesses a section which contains all the events saved to the system memory.

[A]	Keys for scrolling the events in the log	
[B]	54/5000Number of the selected event out of the total events	
[C]	Scrolling keys (100 events)	
[D]	Events list	

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

For each event, the event report shows the date and time of its occurrence, the control panel on which it occurred (in the case of several control panels in a network), the description of the event and other related details. 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, event selected by tapping on the screen
  In the case of an event generated by a loop device, you access the management page via the device itself (refer to *paragraph 6.2 Device management*).
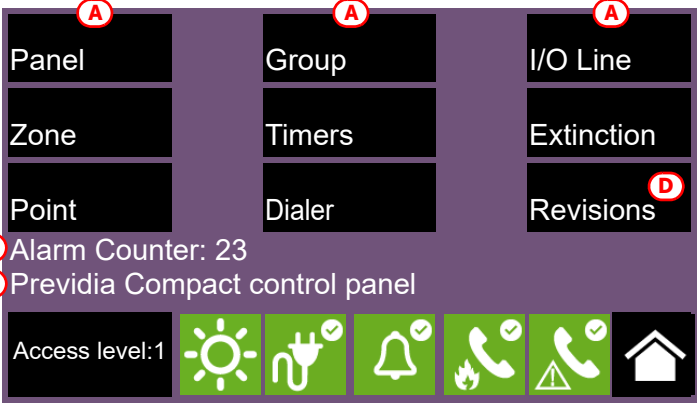
Inim Cloud: This function is available by using the quick viewing buttons (*paragraph 4.1 - [C]*) or by going to:

Manage System > **Events log**
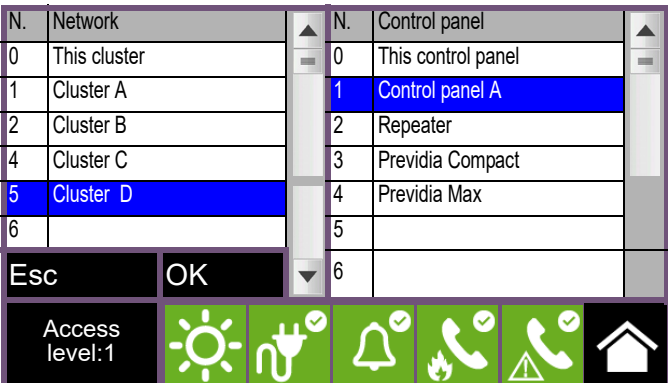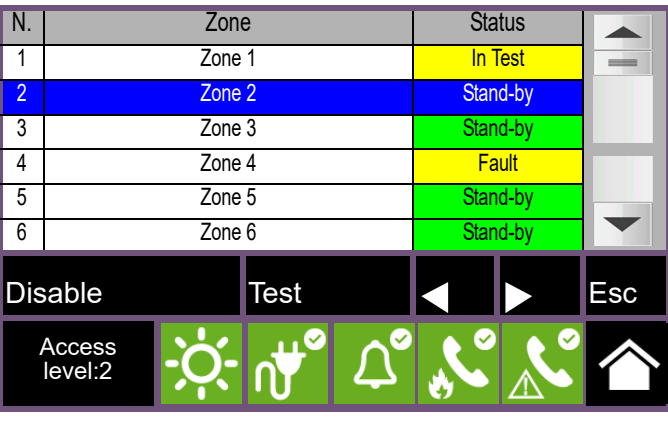
5.3 Visualization of the system status

The **System status** button (*paragraph 3.3 - [A]*, accessible at level 1) accesses a section which allows you to view the status of the various system elements.

[A]	Access buttons to view the status of the system elements	<table><tr><td>Ⓐ Panel</td><td>Ⓐ Group</td><td>Ⓐ I/O Line</td></tr><tr><td>Zone</td><td>Timers</td><td>Extinction</td></tr><tr><td>Point</td><td>Dialer</td><td>Revisions Ⓓ</td></tr><tr><td colspan="3">Ⓑ Alarm Counter: 23</td></tr><tr><td colspan="3">Ⓒ Previdia Compact control panel</td></tr><tr><td colspan="3">Access level:1</td></tr></table>
[B]	Indicator of the number of alarms logged by the control panel in use	
[C]	Description of the control panel being viewed	
[D]	Button for displaying the firmware revision of the control panel in use	

The **Control panel** access button allows you to select one of the Previdia control panels configured in the network to which the control panel you are accessing belongs. Once the control panel has been selected, the system status screen and the access buttons *[A]* will make reference to the selected control panel, indicated by the string below *[C]*. If the selected control panel is different from the one in use, the information provided by the alarm counter *[B]* and by the Revision button [D] will no longer be available.

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.

The buttons for viewing purposes *[A]* give access to the following sections:

Button	Display	Section
Panel	<table><tr><td>N.</td><td>Network</td><td>N.</td><td>Control panel</td></tr><tr><td>0</td><td>This cluster</td><td>0</td><td>This control panel</td></tr><tr><td>1</td><td>Cluster A</td><td>1</td><td>Control panel A</td></tr><tr><td>2</td><td>Cluster B</td><td>2</td><td>Repeater</td></tr><tr><td>4</td><td>Cluster C</td><td>3</td><td>Previdia Compact</td></tr><tr><td>5</td><td>Cluster D</td><td>4</td><td>Previdia Max</td></tr><tr><td>6</td><td></td><td>5</td><td></td></tr><tr><td colspan="2">Esc OK</td><td>6</td><td></td></tr><tr><td colspan="4">Access level:1</td></tr></table>	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 or repeater from the selected group. The status of the selected control panel is displayed after the **OK** button is pressed.
Zone	<table><tr><td>N.</td><td>Zone</td><td>Status</td></tr><tr><td>1</td><td>Zone 1</td><td>In Test</td></tr><tr><td>2</td><td>Zone 2</td><td>Stand-by</td></tr><tr><td>3</td><td>Zone 3</td><td>Stand-by</td></tr><tr><td>4</td><td>Zone 4</td><td>Fault</td></tr><tr><td>5</td><td>Zone 5</td><td>Stand-by</td></tr><tr><td>6</td><td>Zone 6</td><td>Stand-by</td></tr><tr><td colspan="3">Disable Test ◀ ▶ Esc</td></tr><tr><td colspan="3">Access level:2</td></tr></table>	Section for the viewing of the zones of the selected control panel. The section is divided into pages that show a maximum of 100 zones, navigable by means of the arrow scroll buttons at the bottom. The status of each zone is shown and made distinctive by colour: • Green, zone in standby • Yellow, zone in fault status, in test status or bypassed • Red, zone in alarm status • Blue, selected zone By selecting a zone, it is possible for a user with access level 2 to put a zone in test status or to change its bypassed/unbypassed status (refer to the **Disable** and **Test** buttons).

Button	Display	Section
Point	<table><tr><td>N.</td><td>Loop</td><td>Status</td></tr><tr><td>1</td><td>Loop 1</td><td>Stand-by</td></tr><tr><td>2</td><td>Loop 2</td><td>Alarm</td></tr><tr><td>3</td><td>Loop 3</td><td>Fault</td></tr><tr><td>4</td><td>Loop 4</td><td>Fault</td></tr><tr><td>5</td><td>Loop 5</td><td>Stand-by</td></tr><tr><td>6</td><td>Loop 6</td><td>Stand-by</td></tr></table> Disable · View · Esc · Access level:3	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 or bypassed • Red, loop in alarm status • Blue, selected loop By selecting a loop and pressing the **View** button it will be possible to access the loop devices. The **Disable** button allows you to change the operating mode.
Point > **View**	<table><tr><td>N.</td><td>Point</td><td>Status</td></tr><tr><td>1</td><td>Button 1</td><td>Stand-by</td></tr><tr><td>2</td><td>Input/Output module 1</td><td>Alarm</td></tr><tr><td>5</td><td>Smoke det. 1</td><td>Stand-by</td></tr><tr><td>4</td><td>Smoke det. 2</td><td>Fault</td></tr><tr><td>2</td><td>Input/Output module 2</td><td>Stand-by</td></tr><tr><td>6</td><td>Smoke det. 3</td><td>Stand-by</td></tr></table> View · Esc · Access level:2	Section for the selection of the devices on selected loop. The section is divided into pages that show a maximum of 80 zones, navigable by means of the arrow scroll buttons at the bottom. The status of each device is shown and made distinctive by colour: • Green, device in standby • Yellow, device in fault status or bypassed • Red, device in alarm status • Blue, selected device By selecting a device and pressing the **View** button it will be possible to access the device itself.
Point > **View** > **View**	Input module x Zone y Loop: z - Point: x - SN:012345678 Info · Info · Real-time · Actions · Esc · Access level:2	Section for the viewing of the selected device info and data. The section provides all the information regarding the device and provides access to the relative functions.
Group	<table><tr><td>N.</td><td>Group</td><td>Status</td></tr><tr><td>1</td><td>Generic alarm</td><td>Stand-by</td></tr><tr><td>2</td><td>Generic fault</td><td>Active</td></tr><tr><td>3</td><td>Extinction</td><td>Stand-by</td></tr><tr><td>4</td><td>Pre-Extinction</td><td>Stand-by</td></tr><tr><td>5</td><td>Automatic extinction</td><td>Stand-by</td></tr><tr><td>6</td><td>Manual extinction</td><td>Stand-by</td></tr></table> Disable · Activate/Deactivate · Esc · Access level:2	Section for the management of the output groups of the selected control panel. The section is divided into pages that show a maximum of 80 groups, navigable by means of the arrow scroll buttons at the bottom. The status of each group is shown and made distinctive by colour: • Green, group deactivated • Red, group activated • Blue, selected group • By selecting a group and pressing the **Activate/Deactivate** button, it will be possible to change its activation status. The **Disable** button allows you to change the operating mode.

Button	Display	Section
Timers	<table><tr><th>N.</th><th>Timers</th><th>Status</th></tr><tr><td>1</td><td>Timer 1</td><td>Stand-by</td></tr><tr><td>2</td><td>Timer 2</td><td>Stand-by</td></tr><tr><td>3</td><td>Timer 3</td><td>Active</td></tr><tr><td>4</td><td>Timer 4</td><td>Active</td></tr><tr><td>5</td><td>Timer 5</td><td>Stand-by</td></tr><tr><td>6</td><td>Timer 6</td><td>Stand-by</td></tr></table> Disable Activate/Deactivate Esc Access level:3	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 deactivated • Red, timer activated • Blue, selected timer By selecting a timer and pressing the **Activate/Deactivate** button, it will be possible to change its activation status. The **Disable** button allows you to change the operating mode.
Dialer	GSM module trouble Disable calls Stop calls Esc Access level:2	Section for the management of the communicator and access to the telephone functions of the selected control panel. In the section on the left, when necessary, the ongoing fault is described. The section on the right contains the following buttons: • **Disable calls**, for the disablement of calls • **Stop calls**, for the interruption of ongoing calls
I/O Line	<table><tr><th>N.</th><th>I/O Line</th><th>Status</th></tr><tr><td>1</td><td>Generic alarm</td><td>Stand-by</td></tr><tr><td>2</td><td>Generic fault</td><td>Fault</td></tr></table> Disable Activate/Deactivate ◄ ► Esc Access level:2	Section for viewing the devices connected to the terminals of the selected control panel. The status of each line is shown and made distinctive by colour: • Green, line in standby • Yellow, line in fault status or bypassed • Red, line in alarm status • Blue, selected line By selecting a line and pressing the **Activate/Deactivate** button, it will be possible to change the activation status. The **Disable** button allows you to change the operating mode.
Extinction	Extinction - OPEN OUTPUT Valve Disable extinguishing Disable Automatic Extinc. Stop valve pulse Esc Access level:2	Section for the management of the extinction channel of the selected control panel (where available). The section on the left shows the information relative to the extinction channel. The section on the right contains the buttons for the management of the channel: • **Disable extinguishing** • **Disable automatic extinguishing** • **Stop valve pulse**

Button	Display	Section
Disable	Disable / Enable / Timed (minutes) 0030 / Esc	Section to change the enabled/disabled status of the selected element. • **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, when it will be bypassed. • **Enable**, enables the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) can disable it.
Activate/Deactivate	Activate / Deactivate / Esc	Section to change the activated/deactivated status of the selected element. • **Activate**, for the activation of the selected element. • **Deactivate**, 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.
Cloud	No problem / Enroll / Network diagnostic / Esc / Access level:2	By accessing the "System Status" section (*paragraph 3.3 - [A]*) using a "superuser" or higher code, the **Cloud** button becomes available for the visualization and management of the Inim Cloud Fire service. The section that opens shows the following buttons: • **Enroll**, for the process of registration of the control panel to the account of the user (refer to *paragraph 4.2 - Registration of a control panel to the Inim Cloud user account*). • **Network diagnostic**, to start a procedure that checks the various network functions needed to communicate with the Cloud and obtain useful information in the event of problems. The information obtained is shown in the left section.

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

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

Chapter 6

Using the system

6.1 Access to programming

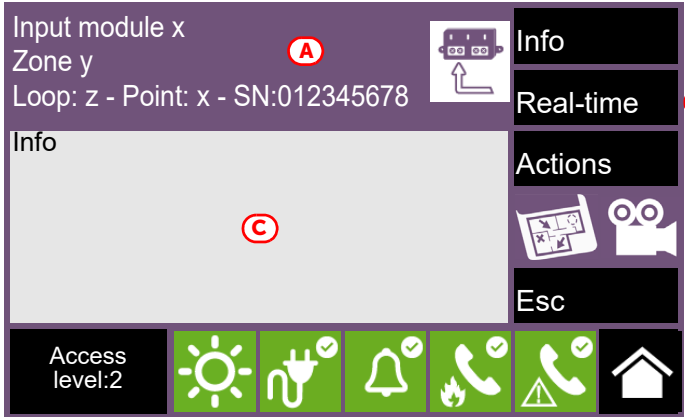The **Programming** button (*paragraph 3.3 - [A]*) accesses the system configuration functions.

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 row in the list of devices of a specific event (refer to *paragraph 5.1 Viewing active events* and *paragraph 5.2 Visualization of the events log*), or by selecting the "Points" section contained in the system status viewing section (*paragraph 5.3 Visualization of the system status*).

[A]	Data relative to the selected device (address, label, serial number, type, etc.).
[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.

The function buttons *[B]* that operate on the device vary depending on the type of device shown or the user access level:

Button	Function	Button		Function
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.	Actions	Replace	Button that activates the procedure for the replacement in the configuration of the device (to be used in the case of replacement of a faulty device). Once the procedure is activated, the control panel will request confirmation to continue with the replacement of the device. However, the control panel will make the replacement only if the new device is the same type as the old one.

Button	Function
Real-time	If this button is pressed, a graph will be displayed in the section on the left showing the value detected by the selected device through time.
	If appropriately set up, this button opens a window that shows images taken by a camera, with a specific preset and a renewal of images every 5 seconds. This function allows video verification of the conditions in the environment where the device is installed. A single tap on the screen will close the window.
	If appropriately 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.

Button	Function
Turn On output / **Release output**	Button for manual switching on/off of the device output.
Turn On LED / **Release LED**	Button for manual switching on/off of the green LED of the device.
Disable point / **Enable point**	Button to disable/enable the selected point.
Disable zone / **Enable zone**	Button to disable/enable the zone the selected device belongs to.

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

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

6.3   Management of the remote communicator

Previdia Compact allows you to view and manage a remote communicator. "Remote communicator" defines the remote notification functions performed by the PREVIDIA-C-DIAL communicator module, via the telephone line or 3G line, by the TCP-IP digital communicator on-board the control panel, or by any external communication device connected to the control panel or to the optional PREVIDIA-C-COM board.

In the "Communicator" section, which can be reached through the system-viewing menu via the System status button **System status** (*paragraph 5.3*), or by selecting the icons related to the alarm or fault communicator on the status bar, you can view the status and manage the remote communicator.

The left side of the section reached shows the description of any faults in progress.

On the right side are the function keys relating to the remote communicator. Activation or access to these depends on the access level of the user.

- **Disable/Enable alarm calls**, button to disable/enable remote communications generated by alarm signals.
- **Disable/Enable fault calls**, button to disable/enable remote communications generated by fault signals.
- **Disable/Enable other calls**, button to disable/enable remote communications generated by signals other than alarm or fault signals.
- **Stop alarm calls**, button to cancel the queue of remote communications generated by alarm signals.
- **Stop fault calls**, button to cancel the queue of remote communications generated by fault signals.
- **Disable/Enable other calls**, button to cancel the queue of remote communications generated by signals other than alarm or fault signals.
- **Stop all calls**: button to cancel all remote communications in the queue.
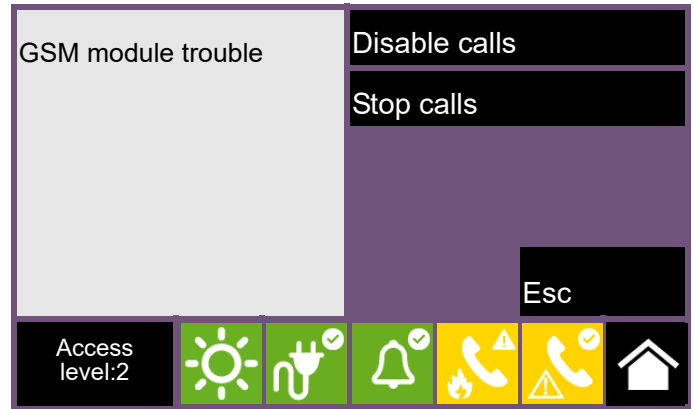
Inim Cloud: This function becomes available via:

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

6.4 Managing the extinction channel

The front plates of control panels from the Previdia Compact range equipped with fire extinction channels, provide signals via the LED indicators:

	LED	Colour	On solid	Flashing
	Extinction channel activation LED	Red	Discharge extinguishing agent activated	Pre-extinguishing time in progress, imminent discharge of extinguishing agent
	Automatic activation indicator LED	Red	Extinguishing agent discharge command activated by automatic detectors	Extinguishing agent discharge command partially activated by automatic detectors (condition not yet sufficient for activation of the discharge procedure)
	Bypass automatic activation LED	Yellow	The automatic discharge command has been disabled. The extinction channel can only be activated manually.	/
	Bypass extinction channel LED	Yellow	Channel bypassed	/
	Manual stop extinction LED	Yellow	Stop extinction command activated manually	Fault on stop-extinction circuit
	Stop extinction LED from non-electrical-devices	Yellow	Stop extinction command activated by a non-manual device	Fault on stop-extinction circuit

From the "Extinction" section, which can be reached via the system viewing menu by means of the **System status** button (*paragraph 5.3*), it is possible to access the extinction channel management page.

Once reached, the left side of the section will provide information relating to the status of the channel and the description of the current fault.

On the right side are the function buttons associated with the remote communicator. Activation or access to these depends on the access level of the user.

- **Disable/Enable Extinguishing**, button to disable/enable the extinction channel.
- **Disable/Enable Automatic Extinguishing**, button to switch the extinction channel from automatic mode to manual mode.
- **Stop valve pulse**, button to return the solenoid valve output to stand-by.

Extinction

- OPEN OUTPUT Valve

Disable extinguishing

Disable Automatic Exting.

Stop valve pulse

Esc
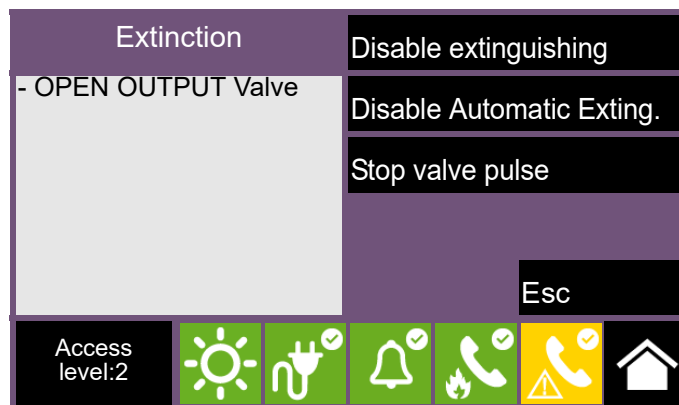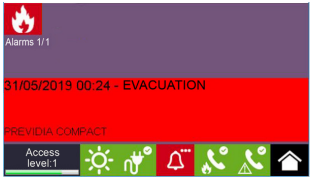
Access level:2

Inim Cloud: These functions are available via:

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

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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ELECTRONICS

ISO 9001 Quality Management
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