

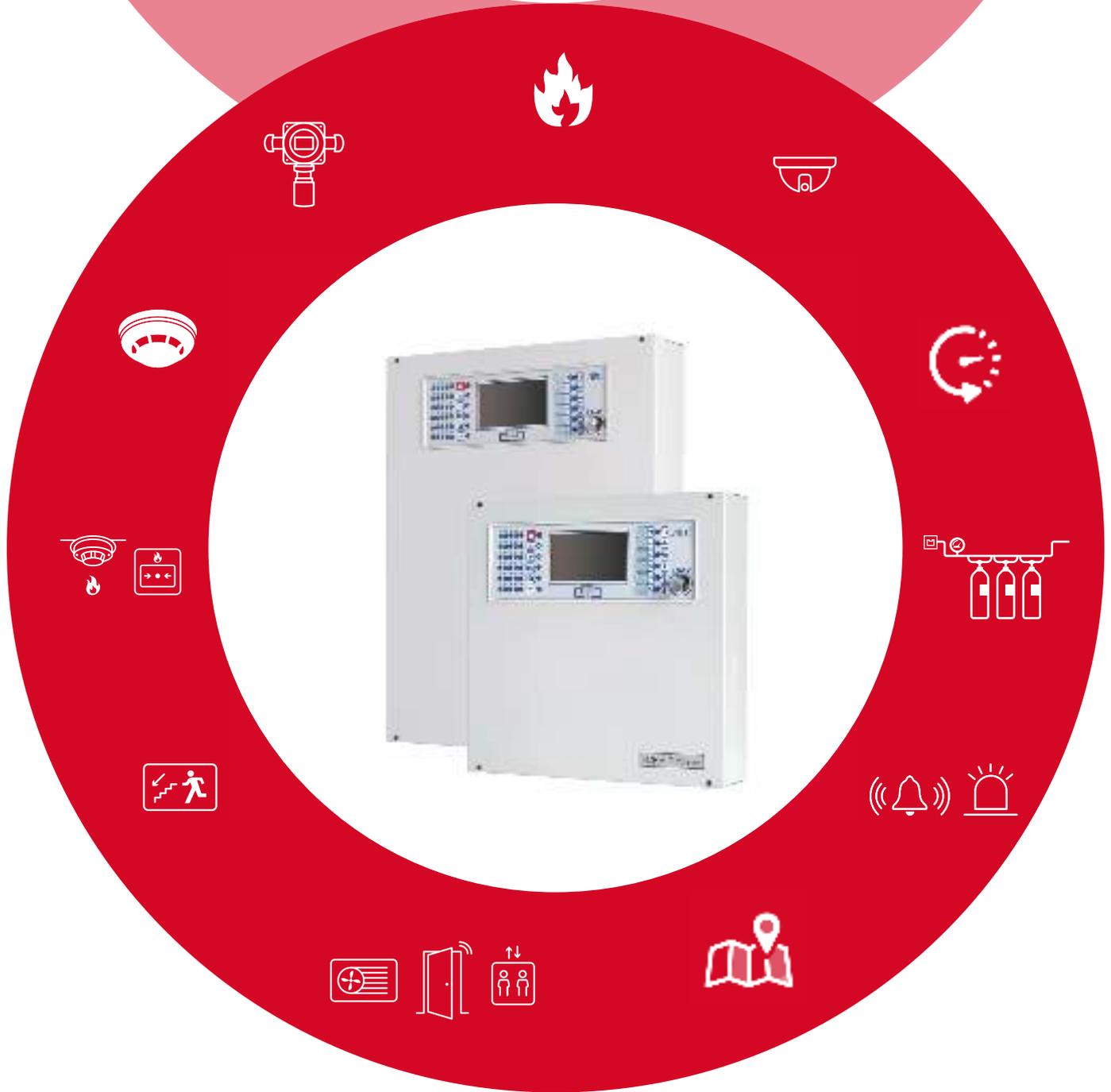


EN 54-2
EN 54-4
EN 54-21
EN 12094-1

0051-CPR-3155
0051-CPR-3156

PREVIDIA | MICRO

CONVENTIONAL FIRE-DETECTION CONTROL PANEL,
FIRE EXTINGUISHING CONTROL PANEL, ALARM
TRANSMISSION AND REMOTE FAULT SIGNALLING AND
WARNING EQUIPMENT



USER'S MANUAL



Warranty

INIM Electronics s.r.l. warrants that this product shall be free of defects in material and workmanship for a period of 24 months from the date of production. In consideration of the fact that INIM Electronics s.r.l. does not install directly the products here indicated, and due to the possibility they may be used with other products not manufactured by INIM Electronics, INIM Electronics cannot guarantee the performance of the security installation. Seller obligation and liability under this warranty are expressly limited to repairing or replacing, at seller's option, any product not meeting its stated specifications. In no case can INIM Electronics s.r.l. be held responsible or liable by the buyer or any other person for any loss or damage, direct or indirect, consequential or incidental.

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

- Damage arising from improper use or negligence;
- Damage caused by fire, flood, wind or lightning;
- Vandalism;
- Fair wear and tear.

INIM 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 herein will void this warranty. For further details regarding this warranty contact the authorized dealer.

Limited Warranty

INIM Electronics s.r.l. shall not be liable for any damage caused by improper use of this product.

The installation and use of the products indicated herein must be carried out by authorized persons only. Moreover, the installation procedure must be carried out in full respect of the instructions provided in this manual.

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General information

1.1 Manufacturer's details

Manufacturer: INIM ELECTRONICS S.R.L.

Production plant: Centobuchi, via Dei Lavoratori 10

Municipality: 63076, Montepandone (AP), Italy

Tel.: +39 0735 705007

Fax: +39 0735 704912

E-mail: info@inim.it

Web: www.inim.it

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: DCMUINIOPREVIDIAM

Revision: 1.00

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

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
- bypass and activate objects which require this specific level.

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

- **Superuser level**, las for the previous one, with the added possibility of registering control panels to their account with the Inim Cloud service
- **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.

 0051
INIM Electronics s.r.l. Via Dei Lavoratori 10 - Fraz. Centobuchi 63076, Montepandone (AP) - Italy 23 0051-CPR-3155
EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006 EN 54-21:2006 EN 12094-1:2003 PREVIDIA-MLZEG <i>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.</i>

 0051
INIM Electronics s.r.l. Via Dei Lavoratori 10 - Fraz. Centobuchi 63076, Montepandone (AP) - Italy 23 0051-CPR-3156
EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006 EN 54-21:2006 EN 12094-1:2003 PREVIDIA-MSZEG <i>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.</i>

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		
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-incident detection (Type A, B and C)	PASS	
7.13 Alarm counter	PASS	
8.9 Output to remote fault or warning signalling devices	PASS	
10.0 Test condition	PASS	
Options provided in accordance with EN12094-1		
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		
About information required at 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 CO ₂ , 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 this type of Previdia Micro control panel 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.it, getting access to Extended Access and then selecting "Certifications" or requested to the e-mail address info@inim.it or requested by ordinary mail to the address shown in the *paragraph 1.4.1*.

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

Chapter 2

Operative statuses of the Previdia Micro 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 Micro 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:

<p>PREVIDIA-Mx</p>	<p>Standard model</p>	
<p>PREVIDIA-MxZx</p>	<p>Model with LED indicators for signalling the status of the zones</p>	
<p>PREVIDIA-MxZEx</p>	<p>Model with LED indicators for signalling the status of the zones and management of the extinction channel</p>	

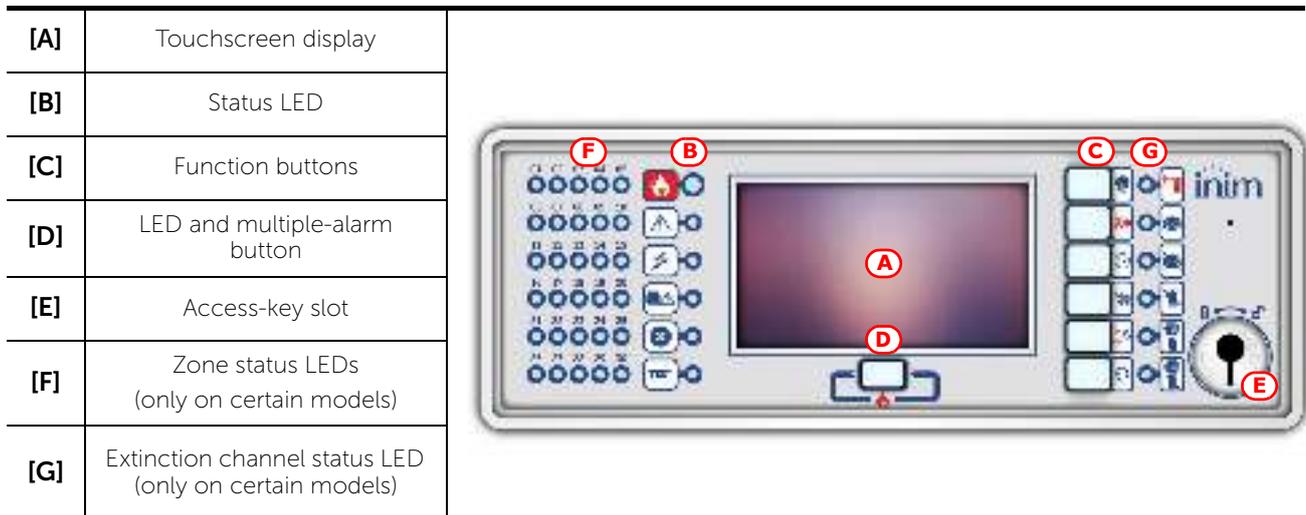
All information provided by the control panel and on its front plate is also available via a repeater, this is a device which allows you to view the information from a remote location. There are two different repeater models available, with different user interfaces:

<p>PREVIDIA-C-REP</p>	<p>Standard model</p>	
<p>PREVIDIA-C-REPE</p>	<p>Model with extinction channel management</p>	

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.



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
	<p>Selection of this area allows you to enter a code and change the current user-access level.</p> <ul style="list-style-type: none"> - 1 = Public level (no code entry) - 2 = Supervision level (turn key or user code entry) - 3 = Programming level (installer code entry)
Language selection	 <p>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.</p>
Day/Night status	<p>Selection of this icon (at level 2) allows you to switch from day mode to night mode or vice versa.</p> <p>Day Mode:</p> <ul style="list-style-type: none"> - 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
	<p>Night Mode:</p> <ul style="list-style-type: none"> - 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	<p>Selection of this icon displays a screen showing the voltages, currents and temperatures of the power section.</p>  <p>Mains power-supply functioning properly</p>
	 <p>Indicates mains-power failure</p>
Alarm signaller status	<p>Selection of this icon accesses (at level 2) a menu which allows manual deactivation, activation and silencing of all fire alarm signalling devices.</p>  <p>Fire-alarm signalling devices (sounders, etc.) are in standby status and are operating properly.</p>
	 <p>At least one fire alarm signalling device is in fault status. Contact your service dealer.</p>
	 <p>At least one fire alarm signalling device is disabled.</p>
	 <p>At least one fire alarm signalling device has been activated</p>

Icon	Function
Alarm communicator status	Selection of this icon accesses the management window of the remote communicator for alarm signalling (refer to <i>paragraph 6.3 Management of the remote communicator</i>).
	 <p data-bbox="509 232 1398 311">If installed, remote alarm-signalling devices (voice or digital telephone communicators associated with alarm receiving centres) are in standby status and operating efficiently.</p>
	 <p data-bbox="509 327 1378 383">A fault has occurred on a remote alarm-signalling device. Contact your service dealer.</p>
	 <p data-bbox="715 432 1187 465">An alarm communicator has been disabled.</p>
	 <p data-bbox="533 526 1370 560">A remote alarm-signalling device is operating (transmitting a communication)</p>
	 <p data-bbox="563 620 1340 654">An alarm communication has been sent and confirmed by the recipient</p>
	 <p data-bbox="544 714 1359 748">An alarm communication has been sent but not confirmed by the recipient</p>
	 <p data-bbox="501 797 1402 853">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</p>
	 <p data-bbox="517 880 1386 958">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)</p>
Fault-communicator status	Selection of this icon accesses the management window of the remote communicator for fault signalling (refer to <i>paragraph 6.3 Management of the remote communicator</i>).
	 <p data-bbox="509 1043 1398 1099">If installed, remote fault-signalling devices (telephone dialers or communicators to alarm receiving centres) are in standby status and operating efficiently.</p>
	 <p data-bbox="617 1149 1286 1182">A fault has occurred on a remote fault-communicator device.</p>
	 <p data-bbox="726 1243 1176 1276">A fault communicator has been disabled.</p>
	 <p data-bbox="539 1337 1362 1370">A remote fault-signalling device is operating (transmitting a communication)</p>
	 <p data-bbox="576 1431 1326 1464">A fault communication has been sent and confirmed by the recipient</p>
Home	 <p data-bbox="501 1599 1402 1677">Allows users to go directly to the home screen or, when events are active, from the home screen to the active events screen.</p>

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:

CLUSTER	CONTROL PANEL	TIME	DAY	DESCRIPTION	ELEMENT
CLUSTER XYZ	Previdia	18:23	01/01/2020	Fire alarm	Zone x Zone y
CLUSTER XYZ	Fire control panel	18:24	01/01/2020	Fire alarm	Zone z Loop 1 Zone w
CLUSTER XYZ	Internal control panel	18:25	01/01/2020	Fire alarm	Loop module Interior Zone

[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 the "Enroll" option.
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

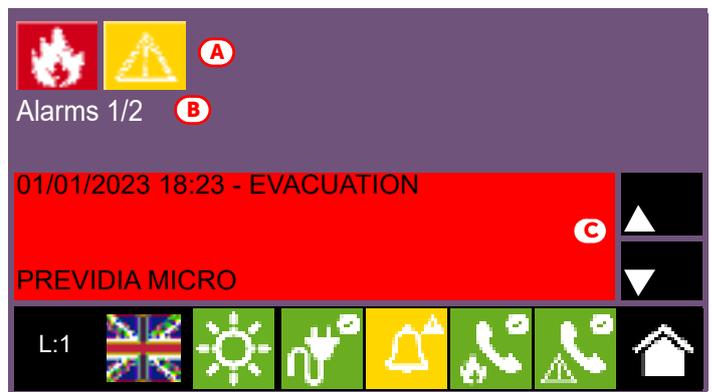
5.1 Viewing active events

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	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 is 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]	Number 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 detection zone, you will access the management page of the zone itself (refer to *paragraph 6.2 Device management*).

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

System Management > 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	
[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	
[E]	Buttons for visualization and management of the communicator (<i>paragraph 6.3</i>).	

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
		<p>Section for the selection of the control panel whose parts you wish to view.</p> <p>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.</p> <p>The status of the selected control panel is displayed after the OK button is pressed.</p>
		<p>Section for the viewing of the zones of the selected control panel.</p> <p>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:</p> <ul style="list-style-type: none"> • Green, zone in standby • Yellow, zone in fault status, in test status or bypassed • Red, zone in alarm status • Blue, selected zone • Gray, zone not-configured <p>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).</p> <p>The View button allows access to zone management (<i>paragraph 6.2 - Device management</i>).</p>

Button	Display	Section																					
<p>Point</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>Loop</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1</td><td>Loop 1</td><td>Standby</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>Standby</td></tr> <tr><td>6</td><td>Loop 6</td><td>Standby</td></tr> </tbody> </table> <p>Disable View Esc</p> <p>L:3 </p>	No.	Loop	Status	1	Loop 1	Standby	2	Loop 2	Alarm	3	Loop 3	Fault	4	Loop 4	Fault	5	Loop 5	Standby	6	Loop 6	Standby	<p>If an analogue control panel equipped with a loop is selected, this section will activate as well as the two following sections.</p> <p>This section allows the selection of the loops of the selected control panel.</p> <p>The status of each loop is shown and made distinctive by colour:</p> <ul style="list-style-type: none"> • Green, loop in standby • Yellow, loop in fault status or bypassed • Red, loop in alarm status • Blue, selected loop <p>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.</p>
No.	Loop	Status																					
1	Loop 1	Standby																					
2	Loop 2	Alarm																					
3	Loop 3	Fault																					
4	Loop 4	Fault																					
5	Loop 5	Standby																					
6	Loop 6	Standby																					
<p>Point</p> <p>></p> <p>View</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>Point</th> <th>Status</th> </tr> </thead> <tbody> <tr><td>1</td><td>Call Point 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> </tbody> </table> <p>View Esc</p> <p>L:2 </p>	No.	Point	Status	1	Call Point 1	Stand-by	2	Input/Output module 1	Alarm	5	Smoke det. 1	Stand-by	4	Smoke det. 2	Fault	2	Input/Output module 2	Stand-by	6	Smoke det. 3	Stand-by	<p>Section for the selection of the devices on selected loop.</p> <p>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:</p> <ul style="list-style-type: none"> • Green, device in standby • Yellow, device in fault status or bypassed • Red, device in alarm status • Blue, selected device <p>By selecting a device and pressing the View button it will be possible to access the device itself.</p>
No.	Point	Status																					
1	Call Point 1	Stand-by																					
2	Input/Output module 1	Alarm																					
5	Smoke det. 1	Stand-by																					
4	Smoke det. 2	Fault																					
2	Input/Output module 2	Stand-by																					
6	Smoke det. 3	Stand-by																					
<p>Point</p> <p>></p> <p>View</p> <p>></p> <p>View</p>	<p>Input module x Zone y Loop: z - Point: x - SN:012345678</p> <p>Info</p> <p>Real-time</p> <p>Actions</p> <p>Esc</p> <p>L:2 </p>	<p>Section for the viewing of the selected device info and data.</p> <p>The section provides all the information regarding the device and provides access to the relative functions.</p>																					
<p>Group</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>Group</th> <th>Status</th> </tr> </thead> <tbody> <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>Extinguishing</td><td>Stand-by</td></tr> <tr><td>4</td><td>Pre-Extinguishing</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> </tbody> </table> <p>Disable Activate/Deactivate Esc</p> <p>L:2 </p>	No.	Group	Status	1	Generic alarm	Stand-by	2	Generic fault	Active	3	Extinguishing	Stand-by	4	Pre-Extinguishing	Stand-by	5	Automatic extinction	Stand-by	6	Manual extinction	Stand-by	<p>Section for the management of the output groups of the selected control panel.</p> <p>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:</p> <ul style="list-style-type: none"> • Green, group deactivated • Red, group activated • Blue, selected group • Gray, group not used <p>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.</p>
No.	Group	Status																					
1	Generic alarm	Stand-by																					
2	Generic fault	Active																					
3	Extinguishing	Stand-by																					
4	Pre-Extinguishing	Stand-by																					
5	Automatic extinction	Stand-by																					
6	Manual extinction	Stand-by																					

Button	Display	Section																					
<p>Timers</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>Timers</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Timer 1</td> <td>Standby</td> </tr> <tr> <td>2</td> <td>Timer 2</td> <td>Standby</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>Standby</td> </tr> <tr> <td>6</td> <td>Timer 6</td> <td>Standby</td> </tr> </tbody> </table> <p>Disable Activate/Deactivate Esc</p> <p>L:3       </p>	No.	Timers	Status	1	Timer 1	Standby	2	Timer 2	Standby	3	Timer 3	Active	4	Timer 4	Active	5	Timer 5	Standby	6	Timer 6	Standby	<p>Section for the management of the timers programmed for the selected control panel.</p> <p>The activation status of each timer is shown and made distinctive by colour:</p> <ul style="list-style-type: none"> • Green, timer deactivated • Red, timer activated • Blue, selected timer <p>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.</p>
No.	Timers	Status																					
1	Timer 1	Standby																					
2	Timer 2	Standby																					
3	Timer 3	Active																					
4	Timer 4	Active																					
5	Timer 5	Standby																					
6	Timer 6	Standby																					
<p>Hornet</p>	<p>A Tx:0/s - Rx: 0/s - ACK↓:0 B Tx:0/s - Rx: 0/s - ACK↓:0</p> <p>57600 bps <input type="checkbox"/> Hornet gateway</p> <p>00 Address 00 Cluster</p> <p>Esc Set</p> <p>L:3       </p>	<p>Section for the visualization of the data relative to the Hornet network to which the control panel is connected.</p> <p>The parameters can be changed only with access to the "programmer" level or higher.</p> <p>Refer to Manual for system configuration and commissioning.</p>																					
<p>I/O Line</p>	<table border="1"> <thead> <tr> <th>No.</th> <th>I/O</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Generic alarm</td> <td>Standby</td> </tr> <tr> <td>2</td> <td>Pre-Extinguishing Valve</td> <td>Fault</td> </tr> <tr> <td></td> <td>EXP1 - I/O</td> <td>Standby</td> </tr> <tr> <td></td> <td>EXP2 - I/O</td> <td>Not used</td> </tr> <tr> <td></td> <td>EXP3 - I/O</td> <td>Not used</td> </tr> </tbody> </table> <p>Disable View ◀ ▶ Esc</p> <p>L:2       </p>	No.	I/O	Status	1	Generic alarm	Standby	2	Pre-Extinguishing Valve	Fault		EXP1 - I/O	Standby		EXP2 - I/O	Not used		EXP3 - I/O	Not used	<p>Section for viewing the devices connected to the terminals of the selected control panel and the expansion modules connected to it.</p> <p>Such devices are grouped on different pages in accordance with the type of terminals used and can be navigated by means of the arrow buttons:</p> <ul style="list-style-type: none"> - "I/O" - relay - Tx - Lx <p>The status of each terminal is shown and made distinctive by colour:</p> <ul style="list-style-type: none"> • Green, terminal in standby • Yellow, terminal in fault status or bypassed • Red, terminal in alarm status • Blue, selected terminal • Gray, terminal not used <p>The Disable button allows you to change the operating mode. The View button allows access to the management of terminals (<i>paragraph 6.2 - Device management</i>).</p> <p>The terminals indicated as "Not used" are terminals which are not configured or are configured as detection zones.</p> <p>By selecting a relay terminal the Activate/Deactivate button activates making it possible to change its activation status.</p>			
No.	I/O	Status																					
1	Generic alarm	Standby																					
2	Pre-Extinguishing Valve	Fault																					
	EXP1 - I/O	Standby																					
	EXP2 - I/O	Not used																					
	EXP3 - I/O	Not used																					

Button	Display	Section
<p>Extinguishing</p>		<p>Section for the management of the extinction channel of the selected control panel (where available).</p> <p>The section on the left shows the information relative to the extinction channel.</p> <p>The section on the right contains the buttons for the management of the channel:</p> <ul style="list-style-type: none"> • Disable extinguishing • Disable Automatic Extinguish • Stop valve pulse
<p>Disable</p>		<p>Section to change the enabled/disabled status of the selected element.</p> <ul style="list-style-type: none"> • 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.
<p>Activate/Deactivate</p>		<p>Section to change the activated/deactivated status of the selected element.</p> <ul style="list-style-type: none"> • 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.
<p>Cloud</p>		<p>By accessing the "System Status" section (<i>paragraph 3.3 - (A)</i>) using a "superuser" or higher code, the Cloud button becomes available for the visualization and management of the Inim Cloud Fire service.</p> <p>The section that opens shows the following buttons:</p> <ul style="list-style-type: none"> • Enroll, for the process of registration of the control panel to the account of the user (refer to <i>paragraph 4.2 - Registration of a control panel to the Inim Cloud user account</i>). • 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.

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



Chapter 6

Using the system

6.1 Access to programming

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

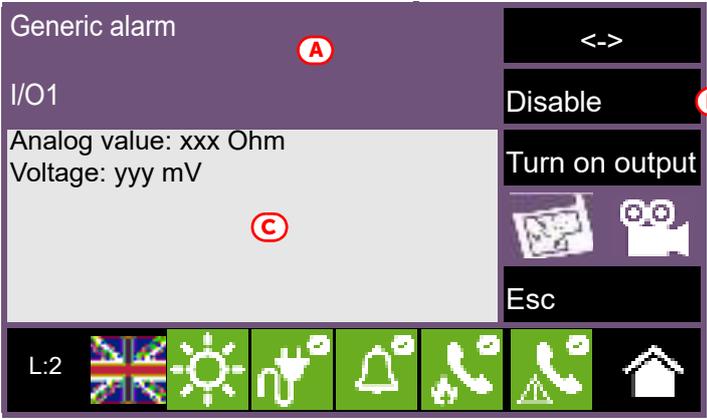
These functions are reserved for specialized technical personnel only and require entry of the installer code.

Refer to the Configuration and Programming manuals.

6.2 Device management

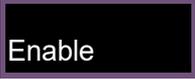
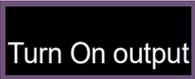
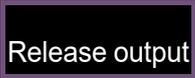
The management section of a specific device provides all the information regarding the device itself and a series of commands which influence its status.

This section can be accessed by selecting the row in the list of devices involved in a specific event (refer to *paragraph 5.1 Viewing active events* and *paragraph 5.2 Visualization of the events log*) or can also be accessed by selecting one of the devices that appear in the lists available in the "Zones", "Points" or "I/O Line" sections, inside the system status viewing section by pressing the **View** button (*paragraph 5.3 Visualization of the system status*).

[A]	Data relative to the selected device (label, related terminal, 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 to navigate between two viewing sections relative to the selected device: <ul style="list-style-type: none"> - Info: provides the data read by the the terminal or information relative to any faults or conditions other than stand-by status present on the device. - Real time: graph showing all the values detected by the selected device over 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.

Button	Function
	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 to bypass/unbypass the zone the selected device belongs to or the terminal the device is connected to.
 	Button for manual switching on/off of the device output.

Inim Cloud: Access to the points of the system and some of these functions are available via:
System management > select one of the available control panels > Zones



6.3 Management of the remote communicator

Previdia Micro 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 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 is available via:

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



6.4 Managing the extinction channel

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

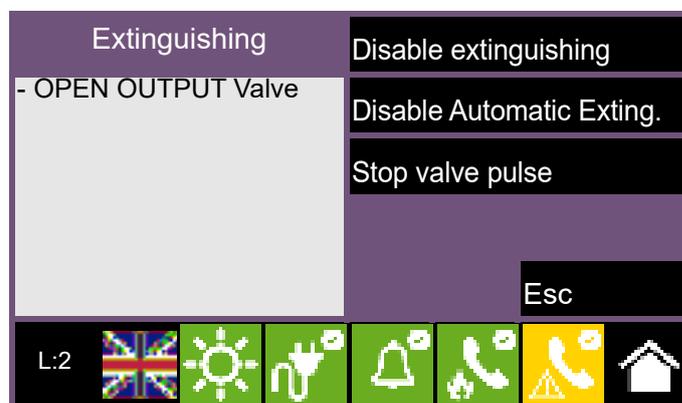
LEDs	Colour	On solid	Flashing
	Red	Discharge extinguishing agent activated	Pre-extinguishing time in progress, imminent discharge of extinguishing agent
	Red	Extinguishing agent discharge command activated by automatic detectors	Extinguishing agent discharge command partially activated by automatic detectors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

From the "Extinguishing" 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.



Inim Cloud: These functions are available via:

System management > *select one of the available control panels* > **Extinguishing**



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



Evolving Protection

ISO 9001 Quality Management
certified by BSI with number FM530352

Inim Electronics S.r.l.

Centobuchi, via Dei Lavoratori 10
63076 Montepandone (AP), Italy
Tel. +39 0735 705007 _ Fax +39 0735 704912

info@inim.it _ www.inim.it



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