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0051-CPR-2826
0051-CPR-2827

EN 54-2
EN 54-4
EN 54-16
EN 54-21
EN 12094-1



PREVIDIA|ULTRA

CONTROL PANEL FOR FIRE DETECTION AND ALARM,
FIRE EXTINCTION AND VOICE-EVACUATION SYSTEMS



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

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E-mail: info@inim.biz

Web: www.inim.biz

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

1.2 About this manual

Manual code: DCMUINEOPREVIDIAU

Revision: 1.00

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

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

1.3 Operator classification - Access Levels

The control panel has 4 distinct access levels:

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

At this level it is possible to view the information on the display and on the signalling LEDs, as well as to interact using the buttons and the touch screen to scroll through the information. Level 1 allows the following operations only:

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

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

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

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

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

- **Superuser level**, las for the previous one, with the added possibility of replacing a loop device and registering control panels to their account with the Inim Cloud service
- **Maintenance level**, same as the previous level with the added possibility of stopping the valve pulse for those models that support extinction functions

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


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

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

1.4 CE Mark


1.4.1 Regulation (EU) No. 305/2011

These products comply 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 22 0051-CPR-2741
EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006 EN 54-16:2008 EN 54-21:2006 EN 12094-1:2003 PREVIDIA-ULTRAVOX PREVIDIA-ULTRAVOXR PREVIDIA-ULTRAVOXD <i>Control and signalling panel with power-supply equipment, alarm transmission and fault signalling equipment, automatic electrical device for control and management of switch off and delay, control and signalling equipment for integrated voice alarm systems for fire detection and signalling in buildings and for gas extinguishing systems installed in buildings as part of a complete operating 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	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-incident detection (Type A, B and C)	PASS
7.13 Alarm counter	PASS
8.3 Point fault signal	PASS
8.9 Output to remote fault or warning signalling devices	PASS
9.5 Addressable points out-of-service	PASS
10.0 Test condition	PASS
Options provided in accordance with EN12094-1	Performance
4.17 Delay of extinguishing signal	PASS
4.18 Signal representing the flow of extinguishing agent	PASS
4.19 Monitoring of the status of components	PASS
4.20 Emergency hold device	PASS
4.21 Control of flooding time	PASS
4.22 Initiation of secondary flooding	PASS
4.24 Triggering signals to equipment within the system	PASS
4.26 Triggering of equipment outside the system	PASS
4.27 Emergency abort device	PASS
4.28 Control of extended discharge	PASS
4.29 Release of the extinguishing media for selected flooding zones	PASS
Options provided in accordance with EN 54-16	Performance
7.3 Audible warning	PASS
7.5 Phased evacuation	PASS
7.6.2 Manual silencing of voice alarm status	PASS
7.7.2 Manual reset of voice alarm status	PASS
7.8 Output to fire signalling devices	PASS
7.9 Voice alarm status output	PASS
8.3 Fault signalling related to the transmission path to the CCS	PASS
8.4 Fault signalling related to voice alarm zones	PASS
9 Out-of-service condition	PASS
10 Manual command of the voice alarm system	PASS
12 Emergency microphone(s)	PASS
13.14 Redundant power amplifiers	PASS
Additional information according to EN 54-2	
About information required at point 12.2.1, see data contained in this manual.	
Additional information according to EN 54-4	
For the information required by point 7.1, see data contained in this manual.	
Additional information according to EN 54-21	
For the information required by point 7.2.1, see data contained in this manual.	
Additional information according to EN 12094-1	
Environmental class: A	
Degree of protection: IP30	
Flooding zones: up to 24	
Zones from 1 a 24 for CO2, inert gas or halogenated hydrocarbons.	
Response delay activation condition: max 3s	
Response delay triggering of outputs: max 1s	

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EN 54-2:1997 + A1:2006 EN 54-4:1997 + A1:2002 + A2:2006 EN 54-21:2006 EN 12094-1:2003 PREVIDIA-ULTRA216 PREVIDIA-ULTRA216R PREVIDIA-ULTRA216D <i>Control and signalling panel with power-supply equipment, alarm transmission and fault signalling equipment, automatic electrical device for control and management of switch off and delay for fire detection and signalling in buildings and for gas extinguishing systems installed in buildings as part of a complete operating system.</i>	

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

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 EN 54-16		Performance
7.3 Audible warning		PASS
7.5 Phased evacuation		PASS
7.6.2 Manual silencing of voice alarm status		PASS
7.7.2 Manual reset of voice alarm status		PASS
7.8 Output to fire signalling devices		PASS
7.9 Voice alarm status output		PASS
8.3 Fault signalling related to the transmission path to the CCS		PASS
8.4 Fault signalling related to voice alarm zones		PASS
9 Out-of-service condition		PASS
10 Manual command of the voice alarm system		PASS
12 Emergency microphone(s)		PASS
13.14 Redundant power amplifiers		PASS
Additional information according to EN 54-4		
For the information required by point 7.1, see data contained in this manual.		

 0051	
INIM Electronics s.r.l. Via Dei Laboratori 10 - Fraz. Centobuchi 63076 Monteprandone (AP) - Italy 22 0051-CPR-2827	
EN 54-4:1997 + A1:2002 + A2:2006 EN 54-16:2008 PREVIDIA-VOX PREVIDIA-VOXR PREVIDIA-VOXD <i>Control and signalling panel for voice alarm systems with integrated power-supply equipment for fire detection and signalling systems installed in buildings</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

1.4.2 Directive 2014/53/EU

Hereby INIM Electronics S.r.l. declares that the above mentioned control panel models with the optional modules comply with the essential requirements and other relevant provisions established by 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 the *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".

1.5 Operative statuses of the Previdia Ultra 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).

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

Fault: Condition of the control panel caused by a malfunction or tamper on the operating functions of the control panel or one of the parts of the system.

Relative to the fire extinguishing system

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.

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

CPU emergency: Operating status of the control panel in the event of fault on the main CPU of the FPMCPU module and therefore of automatic activation of the backup CPU.

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

Relative to the voice emergency system

Voice evacuation: status of the control panel following the activation of an evacuation message by an authorized operator or the fire prevention system, intended for the final user of the protected area.

Alert: status of the control panel following the activation of an alert message by an authorized operator or the fire prevention system, intended for the final user of the protected area.

Staff Alert: status of the control panel following the activation of an alert message by an authorized operator or the fire prevention system, intended for personnel working within the protected area.

Voice emergency: Operating status of the control panel following communication of voice evacuation, alert or staff alert, for which low priority voice communications are interrupted and emergency audio sources are activated on the programmed or selected loudspeaker lines.

1.6 Elements of the voice emergency system

Following is the description of the terminology used to define the elements of the voice emergency system:

Speakers line: they identify themselves with the modules connected to an output of the IFAMAMP amplifier module. Generally these are loudspeakers connected in parallel on an open line or in a ring.

Audio zone: the control panel identifies itself as an audio zone, a set of loudspeaker lines that transmit the same audio reproduction at the same time.

Audio sector: indicates a logical grouping of audio zones. Utilized if the use of zones with geographical groupings is desired or in accordance with the system configuration needs.

Chapter 2

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.

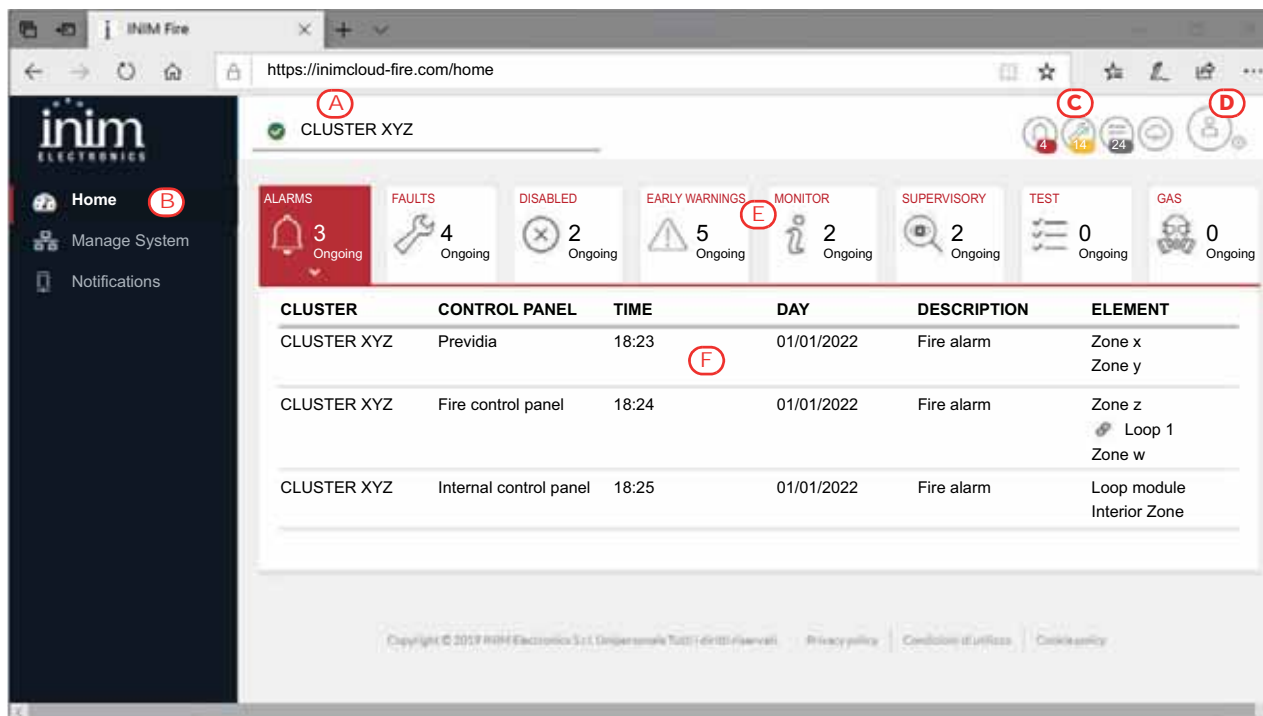
In order to use the Cloud service, the user must have their own account at www.inimcloud.com, registered as "User".

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 2.2).

2.1 User interface, home page

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




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

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

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

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

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

1. Access the Inim Cloud service as a user.
2. By clicking on the profile management button, you access a page where you can set the parameters of the account and the registered control panels. In the lower section, below the list of control panels, you have the "New INIM system" section. 
3. The **Add** button will allow you start the registration process. The Cloud service will send an OTP (One Time Password) number consisting of 6 digits to the user. This number has a limited time duration of 15 minutes.
4. Enter your user code at the control panel you want to register

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

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

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

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

The possible causes may be:

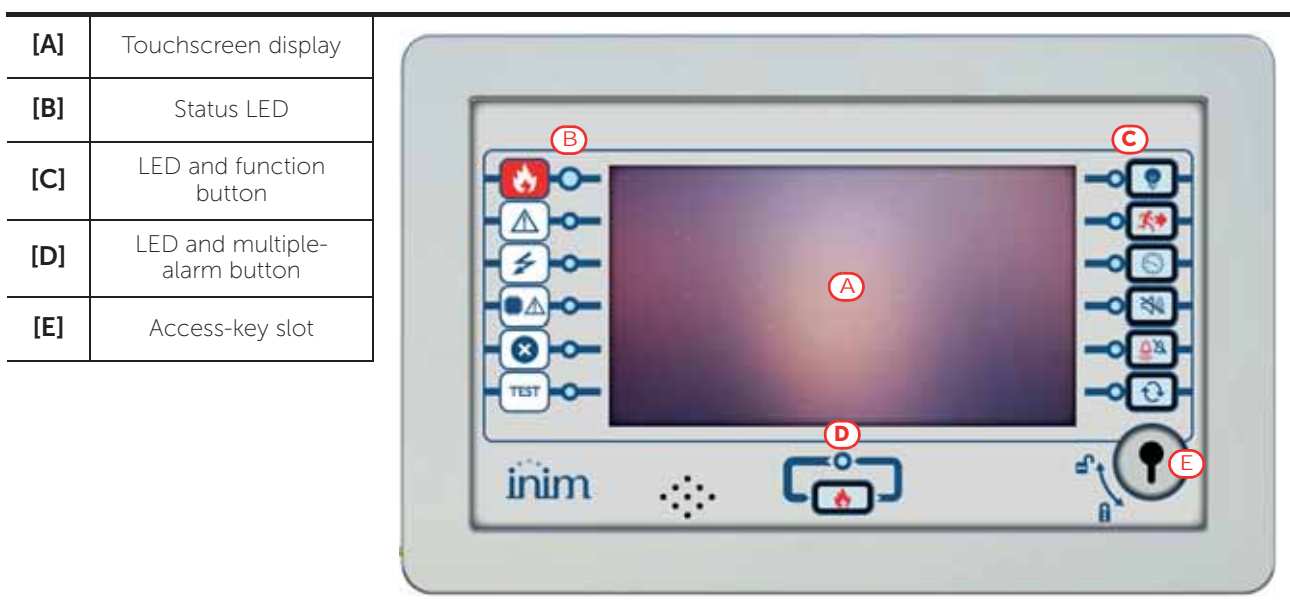
- no Internet connection
- date of manufacture of the control panel is earlier than dd/mm/yyyy
- date/time of control panel different, ahead of or behind the exact date/time by more than 15 minutes
- "Already enrolled": the control panel is already registered to Cloud
- "Bad/expired OTP": the entered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






Fire detection system user interface

3.1 Function buttons and indicators of the FPMCPU module








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 FPMCPU module is out of service. In this condition, the backup CPU comes into operation to guarantee the minimum safety functions. Contact your service dealer.	CPU fault memory. The CPU of the FPMCPU module has reset and restarted.
	Disabled	Yellow	One or more of the system elements has been disabled.	

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



















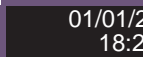

Function LEDs		Colour	Activation	Button	
				access level	function
	Signalling test	Yellow	The test on the visual signalling devices is running.	1	If this button is pressed and held all the LEDs on the control panel will light.
	Evacuate	Red	The evacuation phase has been activated manually.	2	Button for manual activation of the signalling devices (audible and visual) for evacuation of the premises.
	Investigate	Yellow	The investigation time has been activated.	2	Button to request supplementary investigation time and thus lengthen the early-warning period.
	Silence buzzer	Yellow	The buzzer has been silenced.	1	This button silences the control panel buzzer. Events which occur after silencing will reactivate the buzzer.
	Silence sounder	Yellow	The sounders have been silenced.	2	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.	2	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.	2	This button allows you to scroll through the active alarm events on the screen.

3.2 Screen in standby status

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

3.3 Status Bar

Icon	Function
	Selection of this area will allow you to enter a code and change the current user-access level. <ul style="list-style-type: none"> - 1 = Public level (no code entry) - 2 = Supervision level (turn key or code entry) - 3 = Programming level (installer code entry)
Language selection	If required by the configuration, this button will appear on the status bar. Selection of one of the icons changes the language of the control panel.
Day/Night status	Day Mode: <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
	Night Mode: <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	Mains power-supply functioning properly
	Indicates that at least one power-supply module has detected mains failure.

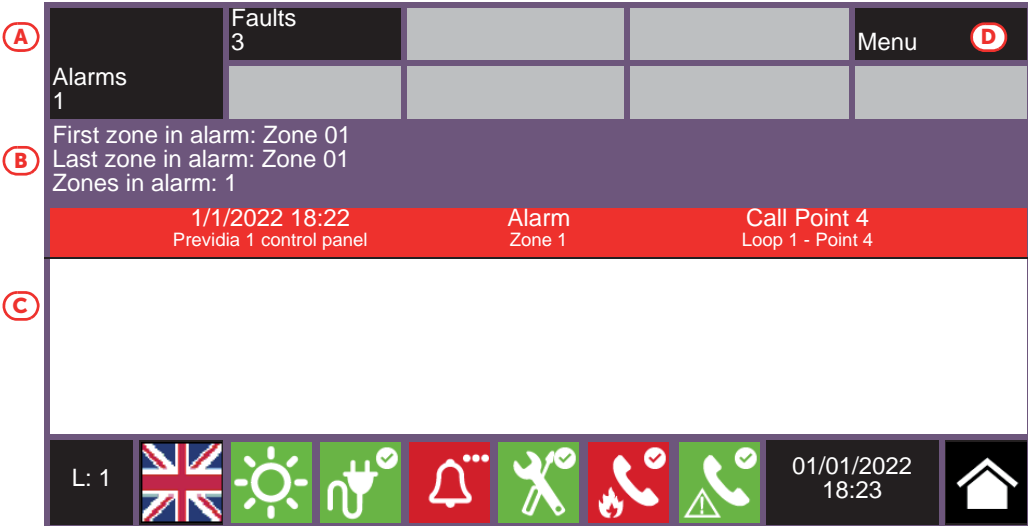
Icon	Function
Sounder status	Selection of this icon accesses (at level 2) a menu which allows manual deactivation, activation and silencing of all fire alarm signalling devices.
	 Fire-alarm signalling devices (sounders, etc.) are in standby status and are operating properly.
	 At least one fire alarm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

Chapter 4

Visualization of the fire-fighting system

4.1 Viewing active events

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

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

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

Touching any one of these buttons will allow you to view all the events in the respective category. These are listed in order of occurrence. If the event has been generated by a device, tapping the respective line will allow you to access and view the section relating to the device concerned (*paragraph 5.2 Device management*).

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

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

1. **Fire Alarm:** signal associated with fire-alarm conditions. These indicate potentially dangerous conditions which require maximum attention.
When an alarm occurs, the section directly below the event buttons ([B]) shows the early-warning countdown and, after the alarm, a summary of the data relating to the zones involved.
2. **Gas Alarm:** signal associated with gas-alarm conditions. These indicate potentially dangerous conditions which require maximum attention.
3. **Early Warning:** signal triggered by detectors with an early warning threshold which is set below the alarm threshold. Cautionary alert which must be evaluated with attention and verified.
4. **Supervisory:** signal indicating that a device or function controlled by the system is in a condition of failure. Indicates a risk which may jeopardize the proper operating capacity of the system. Verify the signalled condition carefully.
5. **Fault:** signal indicating the presence of an anomaly which might jeopardize the proper operating capacity of the system. Contact your service dealer.
6. **Monitor:** signal which is not associated with alarm or fault status, configurable during the installation phase, normally used to provide indications to the user. They are signals of minor importance and the level of attention required depends on the use made of these signals during the system configuration phase.

7. **Disables**: signal indicating the disablement of one or more of the system elements. Indicates that it is necessary to pay attention to extent of the non-operative parts and the possible consequences.
8. **Test**: signal indicating that at least one of the system elements is in test status. This condition, to be applied during maintenance operations, maintains parts of the system in non-operative status, therefore, putting the premises in danger as the protection level of the system is reduced.

Inim Cloud: This function is available via:

Home select one of the available control panels



4.2 View events log

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

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

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

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

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

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

Inim Cloud: This function is available via the fast viewing buttons (*paragraph 2.1 - [C]*) or via:

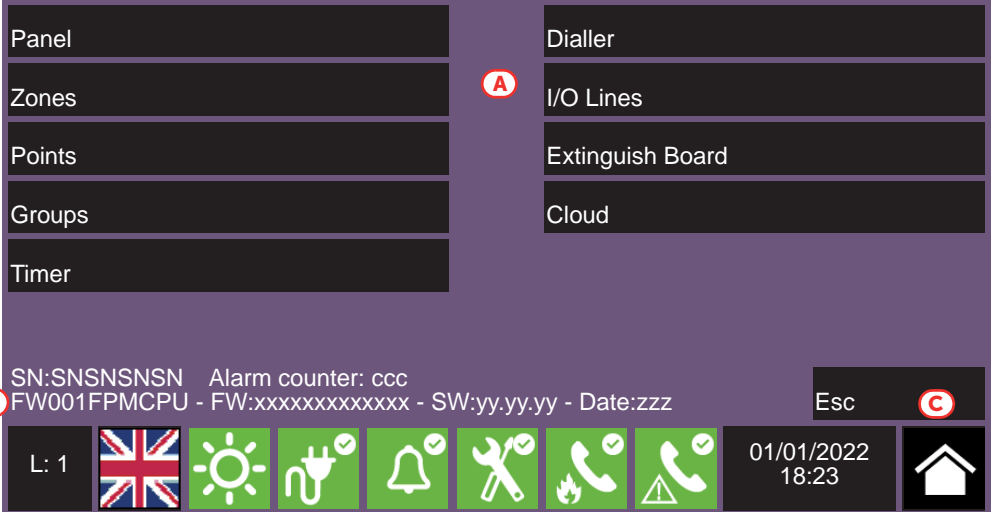
System Management > Events Log



4.3 View system status

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

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

[A]	Access buttons to view the status of the system elements	
[B]	Serial number of the FPMCPU module, indicators of the number of alarms and system revisions	
[C]	Button to exit the open section	

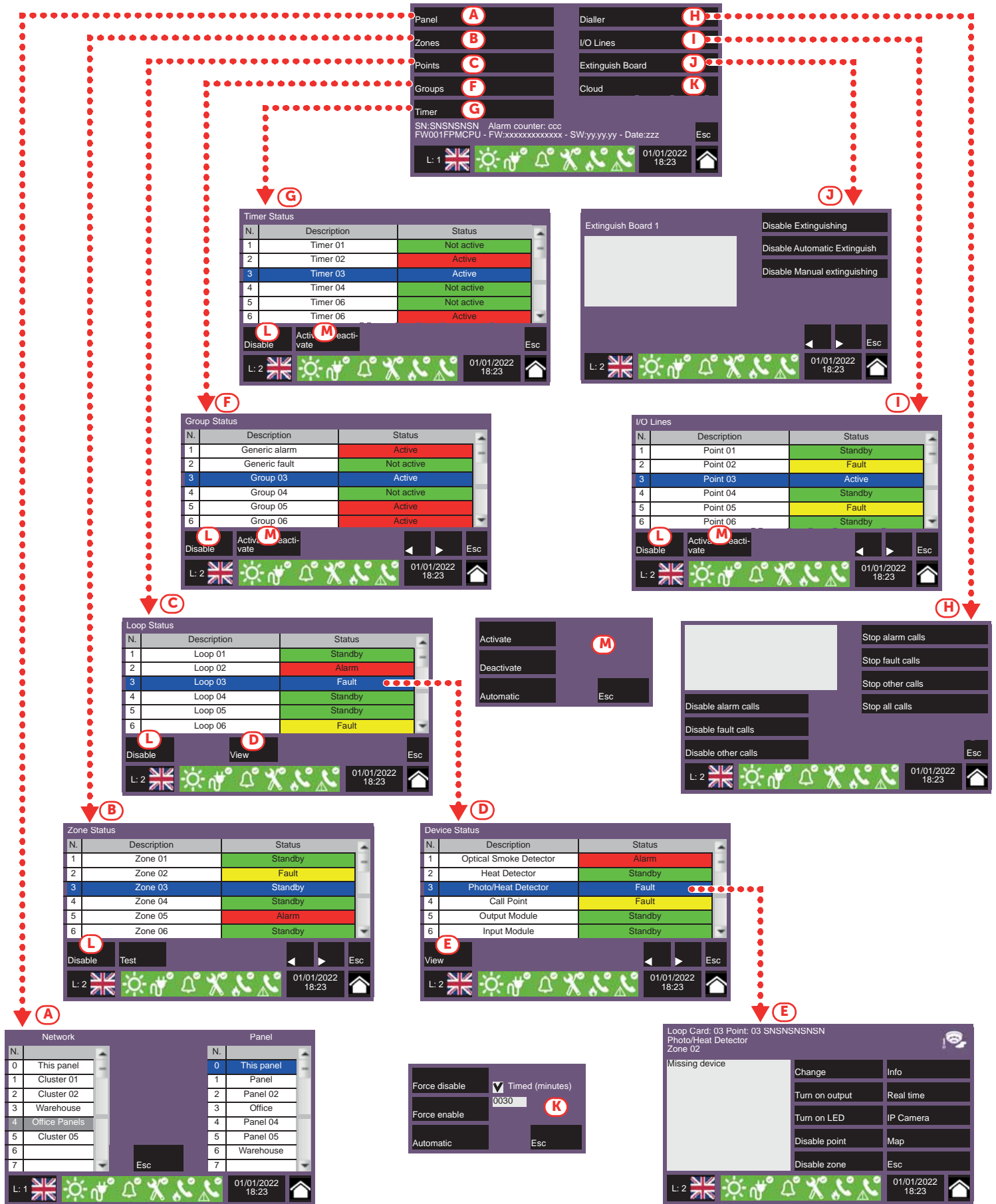
The section dedicated to the visualization of the system status also provides the installer with the following information, shown in the lower left corner of the section *[B]*:


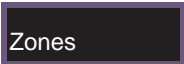




- counter of the number of alarms starting from system installation
- firmware of the FPMCPU module (FW of the main unit and backup unit)
- minimum required revision of Previdia/STUDIO configuration software (SW)
- site specific data release (Data), progressive number of system configuration upgrades



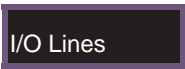






Note:

The sections here described and the relative elements are those relating solely to the fire-fighting system and not to the homologous elements belonging to the voice emergency system.

The following diagram is a view of the various screens:



[A]		<p>Buttons to access the section for the selection of the control panel whose parts you wish to view. It is possible to select a cluster (group of control panels connected through a LAN network) and a single control panel from the selected cluster.</p> <p>After selecting the Esc button, you will be able to view the elements in the various sections described below. If, instead, the Home button is selected or no control panel is selected the elements shown will be those of the control panel in use.</p>
[B]		<p>Button to access the zones viewing section of the selected control panel. This section is divided into pages which show a maximum of 100 zones. The arrow buttons allow you to scroll through the pages.</p> <p>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 - Red, zone in alarm status - Light yellow, zone disabled - Blue, zone selected by tapping on the screen <p>By selecting a zone, it is possible for access level 2 users to place it in test status and/or change its operating mode (refer to this table - [L]).</p>
[C]		<p>Button to access the section for the selection of the loops of the selected control panel. The status of each loop is shown and made distinctive by colour:</p> <ul style="list-style-type: none"> - Green, loop in standby - Yellow, loop in fault status - Red, loop in alarm status - Light yellow, loop disabled - Blue, loop selected by tapping on the screen <p>By selecting a loop and tapping on the View button it will be possible to access the loop devices (refer to this table - [D]). The Disable button allows you to change the operating mode (refer to this table - [L]).</p>
[D]		<p>Button to access the section for the selection of the devices on selected loop. This section is divided into pages which show a maximum of 80 devices. The arrow buttons allow you to scroll through the pages.</p> <p>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 - Red, device in alarm status - Light yellow, device disabled - Blue, device selected by tapping on the screen <p>By selecting a device and tapping on the View button it will be possible to access the loop devices (refer to this table - [E]).</p>
[E]		<p>Button to access and view the section of the selected device module. The section shown provides all the information regarding the device as well as access to the respective functions (<i>paragraph 5.2 Device management</i>).</p>
[F]		<p>Button to access the section for the management of the output groups of the selected control panel. This section is divided into pages which contain a maximum of 80 groups. The arrow buttons allow you to scroll through the pages.</p> <p>The status of each group is shown and made distinctive by colour:</p> <ul style="list-style-type: none"> - Green, group activated - Red, group disabled - Blue, group selected by tapping on the screen <p>By selecting a group and tapping on the Activate/Deactivate button, it will be possible to change its operating status (refer to this table - [M]). The Disable button allows you to change the operating mode (refer to this table - [L]).</p>

[G]		<p>Button to access the 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 activated - Red, timer disabled - Blue, timer selected by tapping on the screen <p>By selecting a timer and tapping on the Activate/Deactivate button, it will be possible to change its operating mode (refer to this table - [M]). The Disable button allows you to change the operating mode (refer to this table - [L]).</p>
[H]		<p>Button for access to the section for communicator management and access to the telephone functions of the selected control panel (refer to the Programming manual).</p>
[I]		<p>Button to access the section for the visualization of the devices connected to the I/O terminals of the selected control panel.</p> <p>This section is divided into pages which contain a maximum of 80 groups. The arrow buttons allow you to scroll through the pages.</p> <p>The status of each line is shown and made distinctive by colour:</p> <ul style="list-style-type: none"> - Green, line in standby - Yellow, line in fault status - Red, line in alarm status - Light yellow, line disabled - Blue, line selected by tapping on the screen <p>By selecting a line and tapping on the Activate/Deactivate button, it will be possible to change its status (refer to this table - [M]). The Disable button allows you to change the operating mode (refer to this table - [L]).</p>
[J]		<p>Button to access the section for the management of the extinction module of the selected control panel.</p> <p>The section allows you to view the data of an extinction module and access its functions. The arrow buttons allow you to scroll through the various modules installed on the system.</p>
[K]		<p>Button to access the section for the configuration of the Inim Cloud service.</p> <p>A window opens containing the following buttons:</p> <ul style="list-style-type: none"> - Enroll user, for the registration procedure of the control panel to the user's account (refer to <i>paragraph 2.2 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.
[L]		<p>Button to open a window which allows you to change the enabled/disabled status of the selected element.</p> <p>This window provides the following buttons:</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, during which the element must hold disabled status. - Enable, to enable the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) cannot disable it. - Esc, to close the window without changing the setting.
[M]		<p>Button to open a window where it is possible to change the activation status of the selected element.</p> <p>This window provides the following buttons:</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 the selected element (timers, inputs, detectors, etc.) cannot activate it. - Esc, to close the window without changing the setting.
		<p>Arrow buttons</p>
		<p>Button to step back</p>

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*



4.4 Extinction module LED panel (FPMEXT)

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

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

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

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

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



Chapter 5

Using the fire detection system

5.1 Access to programming

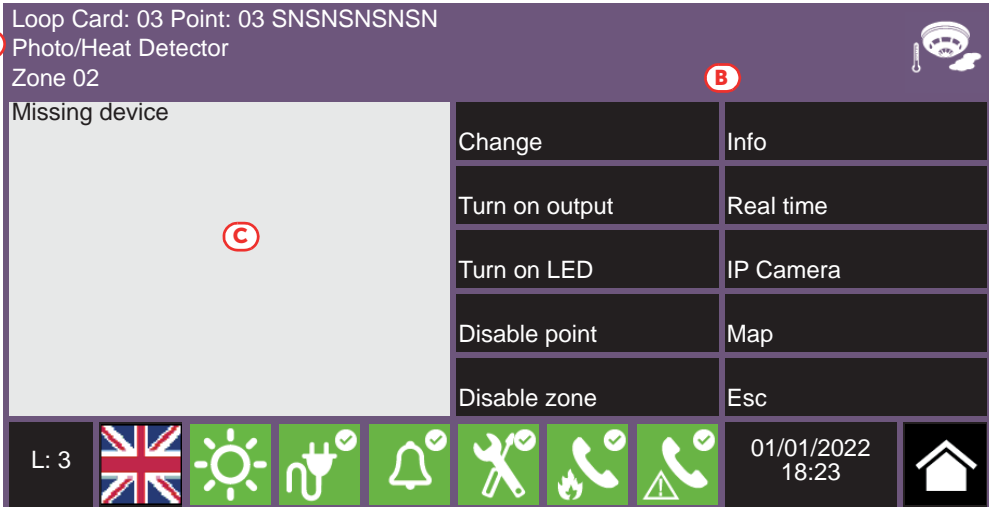
The "Programming" button (*paragraph 3.2 - [A]*) accesses the system configuration functions.

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

5.2 Device management

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

This section can be accessed by selecting the respective line in the list of devices involved in a specific event (refer to *paragraph 4.1 Viewing active events*) or via the relative section selected by means of the System status button. (*paragraph 4.3 View system status*).

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

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

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

- **Map:** if set up, this button will open a window showing an image of the layout of the partition where the device is installed, with a point indicating the location of the device itself. A single tap on the screen will close the window.

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

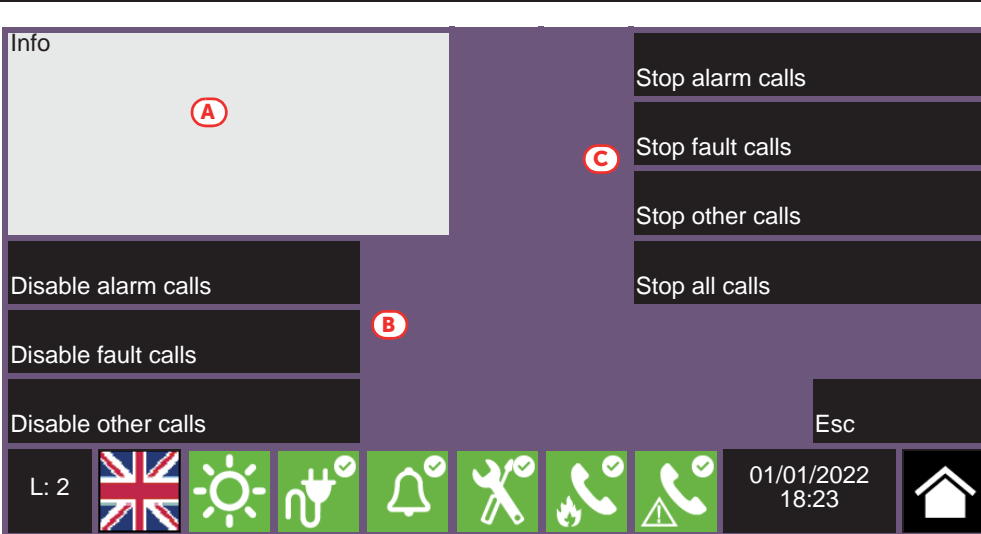
System management > *select one of the available control panels* > **Zones**



5.3 Telephone Dialer Management (IFMDIAL)

From the "Dialler" section, accessible via the system display menu (*paragraph 4.3 View system status*), it is possible to manage the functions of the IFMDIAL telephone communication module.

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

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

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

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

Inim Cloud: This function is available via:

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



5.4 Management of the extinction module (IFMEXT)

The functions of the IFMEXT extinguishment module can be managed via the “Extinguish Board” template, accessible through the Panel Status button on the home page (*paragraph 4.3 View system status*).

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

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

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

- **Disable/Enable Extinguishing:** button to disable/enable an ongoing fire extinction procedure.
- **Disable/Enable Automatic Extinguish:** button to disable/enable automatic activation of fire extinction commands.
- **Disable/Enable Manual extinguishing:** button to disable/enable manual activation of fire extinction commands.

Inim Cloud: These functions are available via:

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



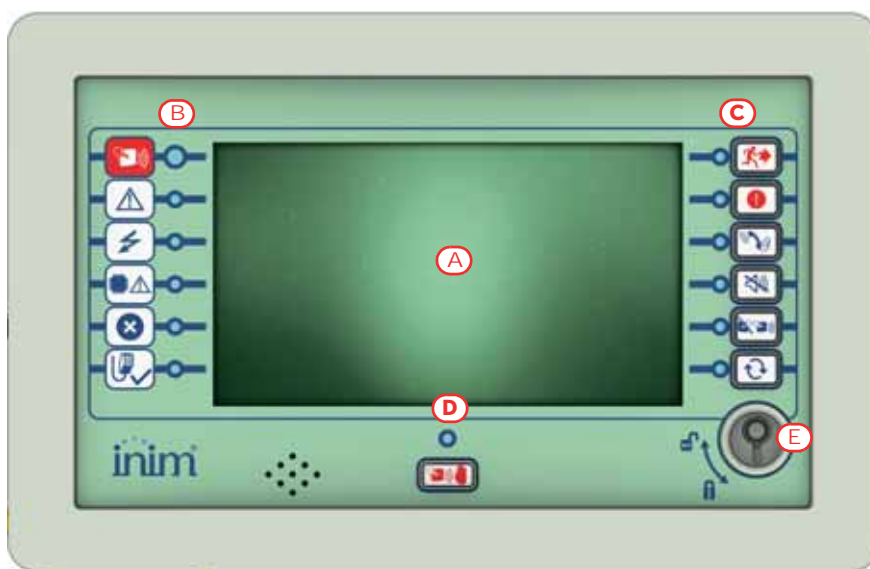
Voice emergency system user interface

6.1 Function buttons and indicators of the FPAMIAS module



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








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

[A]	Touchscreen display
[B]	Status LED
[C]	LED and function button
[D]	Manual emergency push button with LED (paragraph 8.2)
[E]	Access-key slot



Status LED	Colour	On solid	Flashing
	Emergency	Red	The control panel is in emergency mode. The emergency mode may have been activated by the fire control panel, by external inputs or by an operator acting from the front panel (Manual emergency).
	Fault	Yellow	A fault of any type is present on the voice emergency system. The details of any active faults are shown on the screen.
	ON	Green	The system is functioning.
	CPU Fault	Yellow	The CPU of the FPMAMIAS module is out of service.
			CPU fault memory. The CPU of the FPMAMIAS module has reset and restarted.

Status LED		Colour	On solid	Flashing
	Disabled	Yellow	One or more of the system elements has been disabled.	
	PTT open	Yellow	The PTT microphone is functioning.	The attention message is playing, wait before speaking.

Function LEDs	Colour	Activation	Button		
			access level	function	
	Evacuate	Red	Manual emergency condition activated	2	The button allows the activation of the evacuation message on all audio zones indicated in the configuration (unless otherwise specified in the manual emergency maneuver).
	Alert	Red	Manual emergency condition activated	2	The button allows the activation of the alert message on all audio zones indicated in the configuration (unless otherwise specified in the manual emergency maneuver).
	FFT	Red	On solid: there are active calls. Flashing: there are new calls in progress.	1	In the absence of emergency calls, by pressing this button all the control panel LEDs will light up. In the case of emergency calls, passes to the active or incoming calls visualization screen. Pressing the button when on this screen allows you to immediately return to the higher priority screen.
	Silence buzzer	Yellow	The buzzer has been silenced.	1	This button silences the control panel buzzer. Events which occur after silencing will reactivate the buzzer.
	Mute speaker	Yellow	The speaker have been silenced.	2	Using this button during emergency conditions mutes the loudspeakers. If the speakers are muted, pressing the button again will reactivate them.
	Reset	Yellow	The reset function is disabled. In order to enable it, the speakers must first be muted.	2	Button for the annulment of active events and the reset of standby conditions.
	Manual emergency	Red	On solid: manual emergency mode has been activated on this control panel. Flashing: the manual emergency has been activated at another point in the system	2	The control panel stops all sound sources at the lowest emergency level and enters emergency mode.

6.2 Screen in standby status

[A]	Buttons to access the events log, system status, programming and audio adjustment	
[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.	

6.3 Status Bar


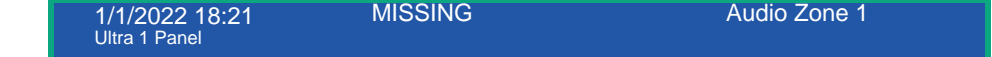
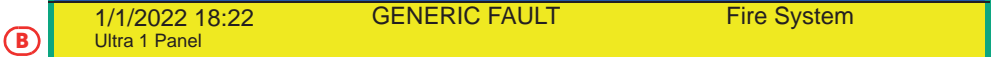


Icon	Function
	Selection of this area will allow you to enter a code and change the current user-access level. <ul style="list-style-type: none"> - 1 = Public level (no code entry) - 2 = Supervision level (turn key or code entry) - 3 = Programming level (installer code entry)
Language selection	If required by the configuration, this button will appear on the status bar. Selection of one of the icons changes the language of the FPMAMIAS module.
Mains network 	Mains power-supply functioning properly Indicates that at least one power-supply module has detected mains failure.
Configuration status 	No hardware anomalies on the FPMAMIAS module A hardware problem has been detected (module malfunction). Contact your service dealer.
	Indicates the current date and time, selection of this area accesses (at level 2) the date and time setting section.
Home	Allows users to go directly to the home screen or, when events are active, from the home screen to the active events screen.

Chapter 7

Visualization of the emergency voice system

7.1 Viewing active events

When events are active, or at least a condition is momentarily active and requires notification, the standby template on the screen (*paragraph 6.2 Screen in standby status*) will be replaced by a template which provides the respective notification.

[A]	Buttons for event categories	
[B]	List of active events in the selected category	
[C]	Function buttons visible for the emergency category	
		 

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

Touching any one of these buttons will allow you to view all the events in the respective category. These are listed in order of occurrence.

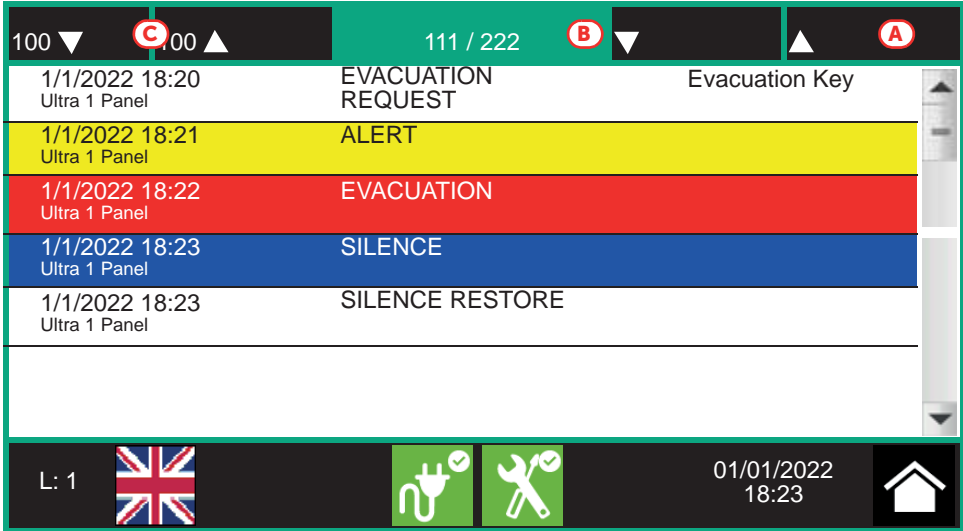
Buttons associated with the events which are not active will remain grey.

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

1. **Emergencies:** signalling relating to voice emergency conditions. These indicate potentially dangerous conditions which require maximum attention.
2. **Faults:** signal indicating the presence of an anomaly which might jeopardize the proper operating capacity of the system. Contact your service dealer.
3. **Disabling:** signal indicating the disabling of one or more of the system elements. Indicates that it is necessary to pay attention to extent of the non-operative parts and the possible consequences.
4. **FFT waiting:** signalling of incoming calls from emergency telephones. These indicate potentially dangerous conditions which require maximum attention.
5. **FFT talking:** signalling of communications in progress with emergency telephones. These indicate potentially dangerous conditions which require maximum attention.

7.2 View events log

The "Log" button (*paragraph 6.2 - [A]*, accessible at level 1) accesses the section which contains all the saved system-events.

[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.

The log shows the date and time of each event, the control panel (to the left), the event description (in the center) and the event details (to the right).

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 evacuation status
- Yellow, indicates events relating to fault status
- Ivory, alert events or staff alert
- Blue, indicates an event selected by tapping on the screen

By tapping an event that has involved several audio zones, the "Audio zone" button on the bottom left will activate and allow viewing of all the zones involved.

7.3 View system status

The "System Status" button (*paragraph 6.2 - [A]*, accessible at level 1) accesses a section which allows you to view the status of the various system elements. A superior access level (2 or 3) allows the user to work on the elements being viewed and carry out operations such as enable, disable, activation.

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

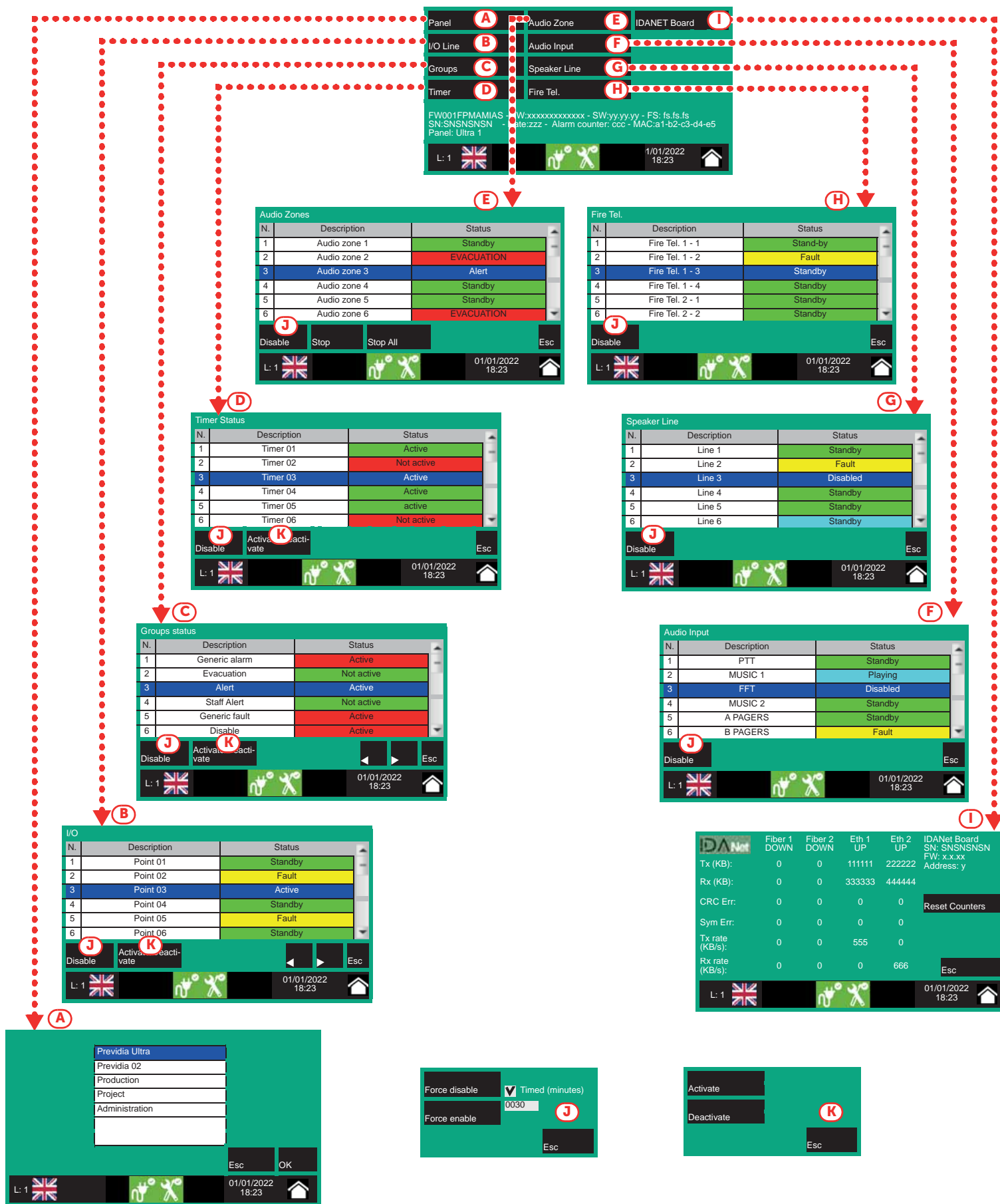
[A]	Access buttons to view the status of the system elements	<table border="1"> <tr> <td data-bbox="534 197 837 264">Panel</td> <td data-bbox="837 197 1134 264">Audio Zone</td> <td data-bbox="1134 197 1437 264">IDANet Board</td> </tr> <tr> <td data-bbox="534 264 837 331">(A) I/O Line</td> <td data-bbox="837 264 1134 331">Audio Input</td> <td data-bbox="1134 264 1437 331"></td> </tr> <tr> <td data-bbox="534 331 837 398">Group</td> <td data-bbox="837 331 1134 398">Speaker Line</td> <td data-bbox="1134 331 1437 398"></td> </tr> <tr> <td data-bbox="534 398 837 465">Timer</td> <td data-bbox="837 398 1134 465">Fire Tel.</td> <td data-bbox="1134 398 1437 465"></td> </tr> <tr> <td colspan="3" data-bbox="534 465 1437 515"></td> </tr> <tr> <td colspan="3" data-bbox="534 515 1437 604">(B) FW001FPMAMIAS - FW:xxxxxxxxxxxxx - SW:yy.yy.yy - FS: fs.fs.fs SN:SNSNSNSN - Date:zzz - Alarm counter: ccc - MAC:a1-b2-c3-d4-e5 Panel: Ultra 1</td> </tr> <tr> <td colspan="3" data-bbox="534 604 1437 694"> <table border="0"> <tr> <td data-bbox="534 604 630 694">L: 1</td> <td data-bbox="630 604 726 694"></td> <td data-bbox="726 604 821 694"></td> <td data-bbox="821 604 917 694"></td> <td data-bbox="917 604 1348 694">01/01/2022 18:23</td> <td data-bbox="1348 604 1437 694"></td> </tr> </table> </td> </tr> </table>	Panel	Audio Zone	IDANet Board	(A) I/O Line	Audio Input		Group	Speaker Line		Timer	Fire Tel.					(B) FW001FPMAMIAS - FW:xxxxxxxxxxxxx - SW:yy.yy.yy - FS: fs.fs.fs SN:SNSNSNSN - Date:zzz - Alarm counter: ccc - MAC:a1-b2-c3-d4-e5 Panel: Ultra 1			<table border="0"> <tr> <td data-bbox="534 604 630 694">L: 1</td> <td data-bbox="630 604 726 694"></td> <td data-bbox="726 604 821 694"></td> <td data-bbox="821 604 917 694"></td> <td data-bbox="917 604 1348 694">01/01/2022 18:23</td> <td data-bbox="1348 604 1437 694"></td> </tr> </table>			L: 1				01/01/2022 18:23	
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<table border="0"> <tr> <td data-bbox="534 604 630 694">L: 1</td> <td data-bbox="630 604 726 694"></td> <td data-bbox="726 604 821 694"></td> <td data-bbox="821 604 917 694"></td> <td data-bbox="917 604 1348 694">01/01/2022 18:23</td> <td data-bbox="1348 604 1437 694"></td> </tr> </table>			L: 1				01/01/2022 18:23																						
L: 1				01/01/2022 18:23																									
[B]	Serial number of the FPMAMIAS module, indicators of the number of alarms and system revisions																												


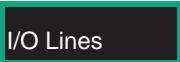




The section dedicated to the visualization of the system status also provides the installer with the following information, shown in the lower left corner of the section [B]:



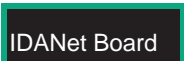




- firmware version of the FPAMIAS module (FW)
- minimum required revision of Previdia/STUDIO configuration software (SW)
- Serial number (SN)
- site specific data release (Data)
- counter of the number of voice emergencies reported since the system was started
- MAC Address
- description of the control panel

Note: *The sections here described and the relative elements are those relating solely to the emergency voice system and not to the homologous elements belonging to the fire detection system.*

The following diagram is a view of the various screens:



[A]		<p>Buttons to access the section for the selection of one of the control panels in the network whose parts are to be visualized.</p> <p>After selecting the OK button, you will be able to view the elements in the various sections described below. If, instead, the Home or Esc button is pressed, no control panel will be selected therefore the elements visualized will be those of the control panel in use</p>
[B]		<p>Button to access the section for the visualization of the devices connected to the I/O terminals of the selected control panel.</p> <p>This section is divided into pages which contain a maximum of 80 groups. The arrow buttons allow you to scroll through the pages.</p> <p>The status of each line is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, line in standby - Yellow, line in fault status - Red, line in emergency status - Light yellow, line disabled - Blue, line selected by tapping on the screen <p>By selecting a line and tapping on the Activate/Deactivate button, it will be possible to change its status (refer to this table - [K]). The Disable button allows you to change the operating mode (refer to this table - [J]).</p>
[C]		<p>Button to access the section for the management of the output groups of the selected control panel.</p> <p>The arrow buttons allow you to scroll through the pages.</p> <p>The activation status of each group is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, group activated - Red, group disabled - Blue, group selected by tapping on the screen <p>By selecting a group and tapping on the Activate/Deactivate button, it will be possible to change its operating status (refer to this table - [K]). The Disable button allows you to change the operating mode (refer to this table - [J]).</p>
[D]		<p>Button to access the section for the management of the timers programmed for the selected control panel.</p> <p>The activation status of each timer is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, timer activated - Red, timer disabled - Blue, timer selected by tapping on the screen <p>By selecting a timer and tapping on the Activate/Deactivate button, it will be possible to change its operating mode (refer to this table - [K]). The Disable button allows you to change the operating mode (refer to this table - [J]).</p>
[E]		<p>Button to access the audio zones viewing section of the selected control panel.</p> <p>This section is divided into pages which show a maximum of 100 zones. The arrow buttons allow you to scroll through the pages.</p> <p>The status of each zone is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, zone in standby - Yellow, zone in fault status - Red, zone in voice emergency status - Light yellow, zone disabled - Ivory, zone in alert or staff alert - Light blue, active zone for non-emergency communication - Blue, zone selected by tapping on the screen <p>By selecting a zone, it is possible for a user with access level 2 to change its bypassed/unbypassed status (refer to this table - [J]).</p> <p>By pressing the Stop button it is possible to interrupt the audio playback in progress on the selected zone. The Stop All button interrupts both the audio being played and those in the queue (with lower priority).</p>
[F]		<p>Button to access the section for the selection of the audio inputs of the selected control panel.</p> <p>The status of each input is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, input in standby - Yellow, input in fault status - Light yellow, input disabled - Celeste, input active (playing) - Blue, input selected by tapping on the screen <p>The Disable button allows you to change the operating mode (refer to this table - [J]).</p>

[G]		<p>Button to access the section for the selection of the configured speakers lines.</p> <p>The status of each line is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, line in standby - Yellow, line in fault status - Light yellow, line disabled - Blue, line selected by tapping on the screen <p>The Disable button allows you to change the operating mode (refer to this table - [J]).</p>
[H]		<p>Button to access the section for the selection of the emergency telephone lines.</p> <p>The status of each line is shown, recognizable by the colour:</p> <ul style="list-style-type: none"> - Green, line in standby - Yellow, line in fault status - Light yellow, line disabled - Blue, line selected by tapping on the screen <p>The Disable button allows you to change the operating mode (refer to this table - [J]).</p>
[I]		<p>If an IFAMIDANET network module is configured, this button will allow access to the section for viewing information on received and transmitted packets and errors, which can be useful for solving communication problems on the IDANet network.</p>
[J]		<p>Button to open a window which allows you to change the enabled/disabled status of the selected element.</p> <p>This window provides the following buttons:</p> <ul style="list-style-type: none"> - Force disable, to disable the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) cannot enable it. Where available, it is possible to select the "Timed" option and indicate the time, in minutes, during which the element must hold disabled status. - Force enable, to enable the selected element. Other system elements which influence the selected element (timers, inputs, detectors, etc.) cannot disable it. - Esc, to close the window without changing the setting.
[K]		<p>Button to open a window where it is possible to change the activation status of the selected element.</p> <p>This window provides the following buttons:</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 the selected element (timers, inputs, detectors, etc.) cannot activate it. - Esc, to close the window without changing the setting.
		<p>Arrow buttons</p>
		<p>Button to step back</p>

Chapter 8

Using the emergency voice system

8.1 Access to programming

The "Programming" button (*paragraph 6.2 - [A]*) accesses the system configuration functions.

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

8.2 Manual emergency activation procedure

To activate manually the emergency status on the system, follow these steps:

1. Access to access level 2 (via code or key, *paragraph 6.1 - [E]*).
2. Press the manual emergency button (*paragraph 6.1 - [D]*).



Depending on what is set during the system programming phase, the user will be faced with one of the following two situations:

- Visualization of the "Help" page
A screen containing a detailed description of the procedure.
The user can continue with the instructions provided by the guide.
 - Standard procedure
The user is shown screens (which can be eliminated during the configuration phase) in order to select the parts of the system (audio zones or their groupings) involved in the emergency, warning and evacuation messages:
3. Select the audio zones and press the **Ok** button.
 4. Select the attention request message. Press the **Ok** button to start playback of the selected message.
 5. Select the emergency message. Press the **Ok** button to start playback of the selected message.

[A]	Audio zones to be selected.	
[B]	Buttons for selecting audio zones or their groupings	
[C]	Icon to indicate that the PTT microphone can be used for voices transmission over the selected audio zones	
[D]	Evacuation and Alert buttons enabled	

By pressing the PTT microphone button or the "Evacuation" and "Alert" buttons (*paragraph 6.1 - [C]*) at any point during the above-described procedure, the voice of the operator on the microphone or the programmed messages will be transmitted on the selected audio zones.

8.3 Audio adjustment

The Previdia Ultra control panel has a section for adjusting the audio parameters of the system. These adjustments are relative to non-emergency messages and communications, so that the quality level obtained during the design and commissioning of the system, for alert or evacuation situations, is preserved.

1. Access to access level 2 (via code or key, *paragraph 6.1 - [E]*).
2. Press the "Audio Settings" button on the display during stand-by status (*paragraph 6.2 - [A]*).

A window opens that allows the selection of one of the following options:

- **Audio input**

A screen is shown for the selection of one of the control panels in the system. Once the control panel has been selected, for each non-emergency input configured on the IFAMEVAC module of the selected control panel, the following will be shown:

- a volume bar
- three bars for equalization
- a "Audio Zones" button to associate the source to the zones configured in the system
- a cell to select whether to display the volumes in dB or as a percentage

- **Speakers**

A screen is shown for the selection of one of the control panels in the system. For each speaker line configured for the selected control panel, the following will be shown:

- four bars to adjust volume and equalization during music playback
- a cell to choose whether to display the volumes in dB or as a percentage

- **Integrated Speaker**

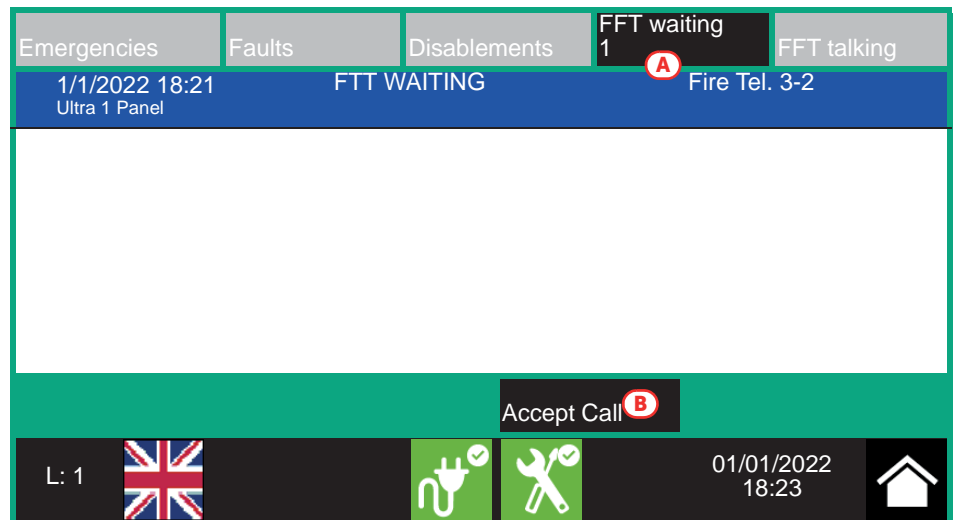
A screen is shown for the selection of one of the control panel audio sources to be listened to on the built-in speaker of the control panel.

Once the playback has started, it will be possible to pause, stop and adjust the volume.

8.4 Management of emergency telephones

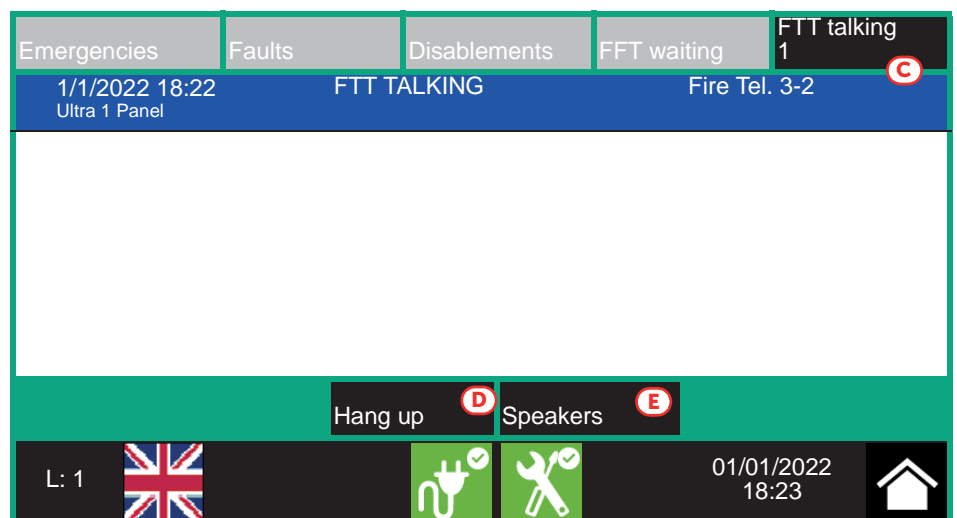
If a line for emergency telephone calls is activated, a call waiting event will be generated *[A]*.

At this point it is possible to press the **Accept Call** button *[B]* and put the audio channel reserved for emergency calls in communication with the line from which the request is coming.



By lifting the handset in the cradle of the control panel, it will be possible to speak with the person who activated the line. A voice call event will be generated *[C]*.

In the event of further calls, it will be possible to accept the requests (as described above) and include the callers in the conversation (up to a maximum of 5).



In the event of ongoing calls, it is possible to:

- Select a line and press the **Hang up** button *[D]* to disconnect it from the channel
- Press the **Speakers** button *[E]* to put the channel in communication with all the loudspeakers in the system

System Test

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

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

WEEE

Pursuant to art. 26 of the Legislative Decree 14 March 2014, n. 49 "Implementation of Directive 2012/19 / EU on waste electrical and electronic equipment".



The crossed-out bin symbol on the equipment or on its packaging indicates that the product must be disposed of correctly at the end of its working life and should never be disposed of together with general household waste.

The user, therefore, must take the equipment that has reached the end of its working life to the appropriate civic amenities site designated to the differentiated collection of electrical and electronic waste.

As an alternative to the autonomous-management of electrical and electronic waste, you can hand over the equipment you wish to dispose of to a dealer when purchasing new equipment of the same type.

You are also entitled to convey for disposal small electronic-waste products with dimensions of less than 25cm to the premises of electronic retail outlets with sales areas of at least 400m², free of charge and without any obligation to buy.

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

Information about disposal of batteries and accumulators (applicable in Countries with separate collection systems)



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








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






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

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







Appendix



Quick management of fire emergencies


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, implement evacuation manually	

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	

Quick management of voice emergencies

Sequence	in the event of an EMERGENCY	
1	Mute the buzzer	
2	Verify signalling on the display	
3 - 1	In the event of false alarm: Pass to access level 2 by turning the key clockwise (one pulse sufficient)	
3 - 2	Silence the speakers	
3 - 3	Press the reset button	
3	In the event of danger: Perform the actions set out in the emergency management plan	

Sequence	MANUAL VOICE EMERGENCY	
1	Pass to access level 2 by turning the key clockwise (one pulse sufficient)	
2	Press the manual emergency button	

	WITH VOICE MESSAGES	
3	Select the audio zones to be placed in emergency status	
4	Select the attention request message	
5	Select the emergency message	

	WITH PTT MICROPHONE	
3	Open the door of the PTT microphone housing	
4	Push the PTT microphone button and speak	



Evolving Security

ISO 9001 Quality Management Certificate issued by BSI
with number FM530352

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