



— OneMiniGAS —



Use and installation manual

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Declaration of conformity

This equipment has been developed according to the quality, reliability and performance criteria adopted by Teledata.

The installation of the equipment must be carried out in a workmanlike manner, in accordance with the applicable standards.

The equipment complies with the requirements of the following Directives and standards: EMC Directive (EMC)

2004/108/EC

Low Voltage Directive (LVD) **2006/95/EC**

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1. Introduction to this manual

1.1 Obligations with respect to this manual



Caution: this manual is an integral part of the instrument and must be kept for its entire life. The manual must be attached to the instrument in the event of transfer to third parties.

The manual must be consulted for all situations related to the life cycle of the instrument, from the moment it is received until the moment it is decommissioned.

It must be stored so that it is accessible to operators, in a clean place and kept in good condition.

1.2 Data of the manual

Equipment: ONEMINIGAS

Title: Installation Manual and Use

Code or Edition: v. 1.0.0 ITA

Month and Year of printing: June 2025

Manual type: original instructions

1.3 Warnings for the recipients of the manual

The graphic conventions adopted in the text are indicated here.



Caution: operations to be carried out carefully or important information.



Note: important information, highlighted outside the text to which it refers.



Tips: practical information for the proper use of the function.

2. Safety and warranties

2.1 Safety standards

The information given in this section of the manual is intended to ensure that the equipment is correctly installed and handled. It is assumed that anyone who deals with the equipment is familiar with the contents of this chapter.

2.2 Intended use

The device may only be installed and used as described in this manual and for the purposes described in the commercial materials distributed by Teledata S.r.l. It may be connected to equipment, components and devices from other manufacturers only as recommended and permitted in this manual or by Teledata S.r.l. directly.

The device has been designed, manufactured and tested to comply with the declared safety standards. If the instructions in this manual are followed during the design of the systems into which it is integrated, its installation and its use, the device will not pose a hazard to persons or property.

2.3 Warranty exclusions

Teledata assumes no liability for direct or indirect damage to persons or property resulting from the use of the equipment under conditions other than those intended. The installation of this equipment must be carried out by qualified personnel, in strict accordance with the instructions described in this manual and in full compliance with local laws, codes and safety regulations in force.

This product is warranted against any defects in materials and workmanship for a period of **12 months from the date of commissioning**. The warranty does not cover defects due to:

- Improper use and negligence.
- Damage caused by atmospheric agents.
- Acts of vandalism.
- Wear of materials.

The warranty is considered void when the fault is caused by improper use or by an operating procedure not covered in the user manual.

2.4 Technical support

This manual has been drawn up with particular care and is intended for qualified personnel. Should you have any questions or special technical requests, our staff is available to assist you. Send an email or call us, and you will be promptly directed to the person able to answer all your questions and provide you with assistance.

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Support telephone: +39 0227201352

Support fax: +39 022593704

3. Product identification

3.1 Manufacturer identification data

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3.2 Package contents

The following items are contained in the packaging:

Description	Quantity
ONEMINI control panel	1
Kit of resistors, diodes and jumpers	1
Installation and Use Manual (this manual)	1

3.3 Identifying the model and serial number

Inside the control panel a label identifies the instrument and must not be removed for any reason. Refer to the information it contains to request assistance, maintenance or accessories.



3.4 Equipment management

3.5 Transport

Once the equipment has been carefully packed and boxed, the usual precautions must be taken during transport, i.e. arrange and secure the package to avoid tipping and violent falls that could damage the equipment, and observe the temperature limits.

3.6 Environmental conditions

Observe the temperature limits:

-40° / +70°C for storage and transport.

-5° / +40°C for operation.

3.7 Unpacking

On receipt of the equipment, proceed carefully with unpacking, paying attention to its disposal in accordance with the regulations in force regarding waste disposal.

3.8 Replacement

In the event of replacing the obsolete equipment, proceed to disconnect it and then connect the new device according to the relevant wiring diagrams..

Dispose of the old device in accordance with the current regulations regarding waste disposal.

3.9 Disposal

Avoid destruction by incineration and disposal in waterways. The product must be disposed of in a secure.

For every product containing batteries, they must be carefully removed before disposal, taking care to avoid short circuits. For battery disposal, follow the regulations in force.

4. Introduction to ONE Mini

4.1 General features

OneMiniGAS is a microprocessor-based gas control panel that enables gas detection through 4-20mA wired devices via the OneModule420 module. The control panel can be programmed and interrogated by means of a touch screen.

OneMiniGAS is a multi-protocol control panel; in its configuration it is able to manage an open or closed loop of 240 compatible devices from a single control panel. In more complex applications it can be installed in a ring network where areas and zones monitored by the detection devices can be combined by means of logic expressions in order to trigger events on the control panel to which they belong or on other ring control panels.)

The system is equipped with a 32-bit microprocessor with RAM memory, flash memory and EEPROM memory for the non-volatile storage of configuration data.

The control panel can be programmed via the touch screen, or by importing the programming data from a USB drive.

Like all Teledata products, OneMiniGAS can also be managed through the supervision and control software integrated.

4.2 Installation precautions

The semiconductors contained in the electronic boards are sensitive to electrostatic charges. For this reason, it is recommended to handle the boards by holding them by the edges and not to touch the electronic components.

Provide adequate earthing to reduce the risk of damage and sensitivity to interference.

When designing the system, provide adequate battery capacity based on the required autonomy.

Always disconnect the batteries, the main power supply and any other power source before inserting or removing a board and before carrying out maintenance work on the control panel (except for firmware updates).

The use of peripheral devices, such as detectors, modules, sounders, etc., that are not compatible with the control panel can cause it to malfunction and even damage it

It is therefore necessary to use materials compatible with Teledata control panels.

The Onemini control panel must be used with 2 batteries of 12V - 7.2Ah.

4.3 Technical specifications

4.3.1 Hardware features

- Addressable control panel with 32-bit microprocessor.
- An addressable loop with digital protocol, configurable as open/closed.
- Touch screen (480x272 TFT 4.3").
- Loop with short-circuit protection.
- 14 front LEDs.
- 2 supervised outputs for sounders or telephone dialler (20.6 to 27.6Vdc @ 500mA).
- 1 alarm output form C (30Vdc @ 1A).
- 1 fault output form C (30Vdc @ 1A).
- An RS-485 line for peripherals.
- An RS-232/microUSB connector for programming.
- 1 USB for data import export
- Colored side LEDs.
- 16 zone LEDs (OPTIONAL board TD596A).
- Battery capacity: 2x7.2Ah with charge management according to EN 54-4.
- Supervised AUX power supply output 24Vdc @ 500mA, short-circuit protected.
- Dimensions: 330x310x80 mm
- Power supply: 230V AC

4.3.2 Software features

- Up to 240 addressable devices (Oneprotocol)
- Subdivision into up to 192 detection zones.
- 192 logic functions.
- Storage of over 850 events.
- Auto-programming of the analogue loops.
- Auto-addressing of the analogue loops (ARGUS only).
- Connectable to other control panels through a fault-tolerant network.
- Multilingual management.
- Fully customizable with logo, colors and colored side LEDs.
- Management of various types of analog sensors and modules:
 - Thermal, optical and mixed
 - Modules of input
 - Modules of output
 - Manual call points addressable
 - Sounders addressable
 - Translator wireless

4.4 Technical data

4.4.1 Nameplate data

Primary voltage	230 Vac / 50 Hz
Primary consumption	200mA ~
230V ~ fuse	F4Ah

4.4.2 Electrical specifications

Minimum operating voltage	21.6 V
Backup batteries	no. 2 (12Vdc/7.2Ah)
Maximum internal resistance of the batteries	800mOhm
Maximum current for external loads	1A
Standby consumption	300 mA – 27.6V
Monitored relay line for sounder	Max. 500mA – 20,6 to 27,6DC
Fault signalling relay	Max. 1A - 30V DC/120V AC

4.4.3 Functional features

Operating keypad	Touch screen
Visual signals	LED
Audible signals	Buzzer
Event display	480x272 TFT 4.3"
Serial output for PC	N° 1 – RS232
Event log	Max. 850
Operating mode	Guarded/Unguarded
Programming/management key	Multilevel password
Number of analog lines	1 loop
Exclusion of the analog lines	Single – multiple
Sensors/I/O modules per line	Max. 240 (max 120 for S-Light)
Programming type	Manual or by PC
Analog line configuration	192 software zones
Connection of the analog lines	Open or closed loop
Length of the detection lines	Max. 5000m
Cable type	Shielded

4.4.4 Mechanical specifications

Protection level	IP30
Cabinet	Iron
Dimensions (WxHxD)	330 x 310 x 80 mm
Weight (without batteries)	6 Kg
Painting	Epoxy resin
Color	Black
Cable entry holes	4 x 25 mm

4.4.5 Environmental specifications

Storage temperature	(-40 ÷ +70)°C
Operating temperature	(-5 ÷ +40)°C
Operating relative humidity	90%

5. Hardware configuration

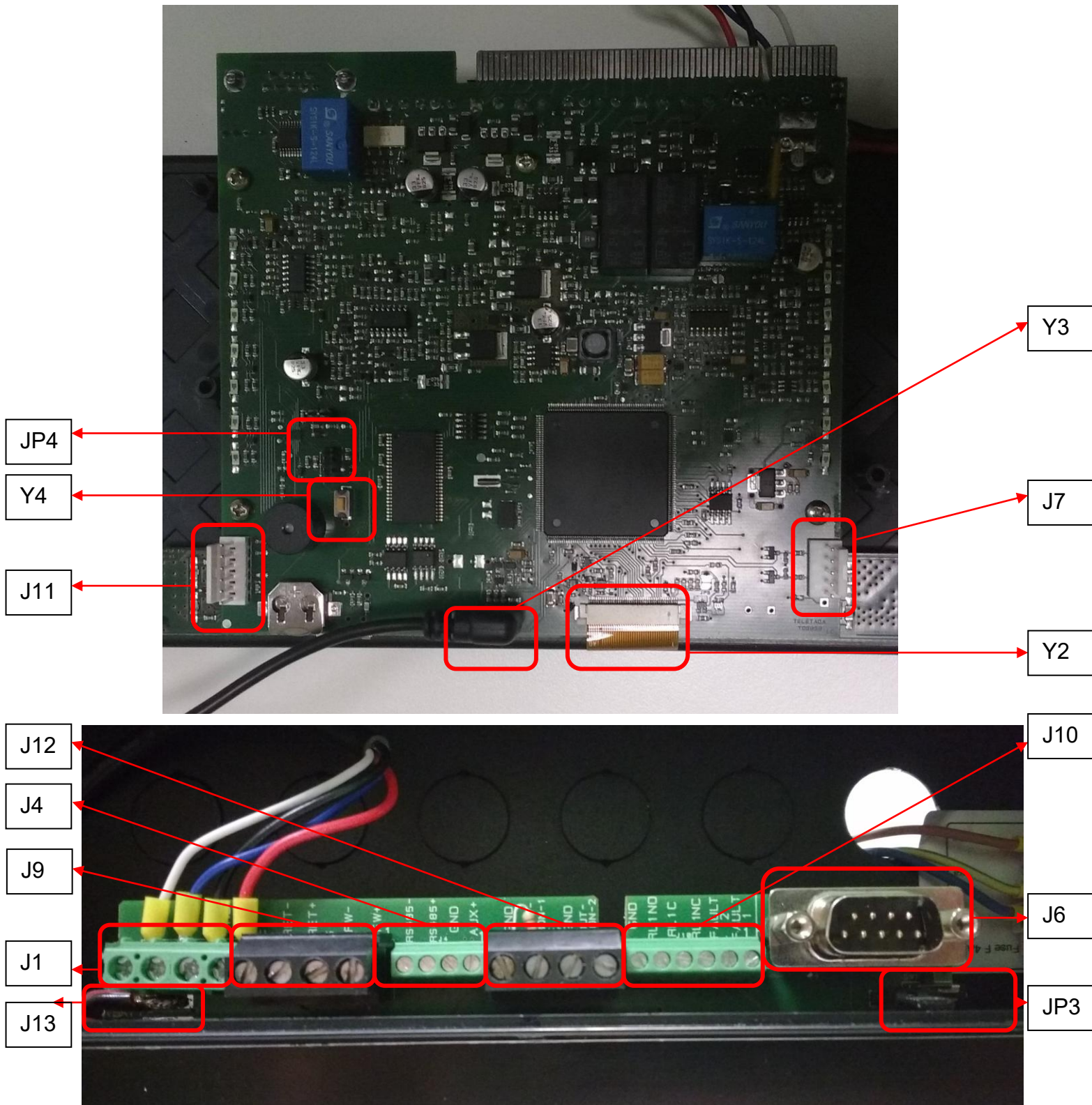
5.1 Control panel setup

In its maximum configuration the control panel can be equipped with:

- 1 main logic board (TD595)
- 1 LED mimic panel (ONE16 TD596)
- 1 ONECONNECT network board (for connection to a LAN or WAN network)
- 1 ONERING board (for creating a network of control panels)
- 2 batteries (max 12V @ 7.2 Ah)

6. Layout and connections

6.1 Logic board (TD595) layout



6.2 The following connectors are available:

- **Connector J7:** OneRing board connection
- **Connector Y2:** touch screen connection
- **Connector J11:** ONECONNECT board connection
- **Connector J13:** battery connection
- **Connector J1:** AL1 power supply and DIM power supply control
- **Connector J9:** fire loop outgoing and return
- **Connector J4:** RS-485, AUX, fault output
- **Connector J10:** Form C alarm relay and Form C fault relay
- **Connector J6:** connection for RS-232.
- **Connector JP3:** for programming protection (closed=enabled)
- **Connector JP4:** to enter the watchdog state.
- **Connector J12:** supervised output for sounders and dialer
- **Connector Y3:** USB port connection
- **Connector Y4:** button for restoring factory values



Y3 and J1 have predefined connections and must be connected to elements already present in the control panel. Disconnect and reconnect these connectors only when replacing or adding boards.

The wiring diagram of connectors J9, J4, J10, J6, J11 and J7 depends on the configuration of the system to which the control panel is connected.

The functions related to the connector pins are described below.

Connector J13

N.PIN	NOME	FUNZIONALITA
1	VBATT-	Battery negative power supply
2	VBATT+	Battery positive power supply

Connector J1

N.PIN	NOME	FUNZIONALITA
1	DIM-	DIM- control of PS1 power supply
2	DIM+	DIM+ control of PS1 power supply
3	GND	Power supply negative
4	PS+	Power supply positive

Connector J9

N.PIN	NOME	FUNZIONALITA
1	RET-	Loop return -
2	RET+	Loop return +
3	FW-	Loop outgoing -
4	FW+	Loop outgoing +

Connector J4 and J12

N.PIN	NOME	FUNZIONALITA
1	485-	RS-485 line -
2	485+	RS-485 line +
3	GND	Ground
4	AUX+	AUX power supply output (27Vdc @

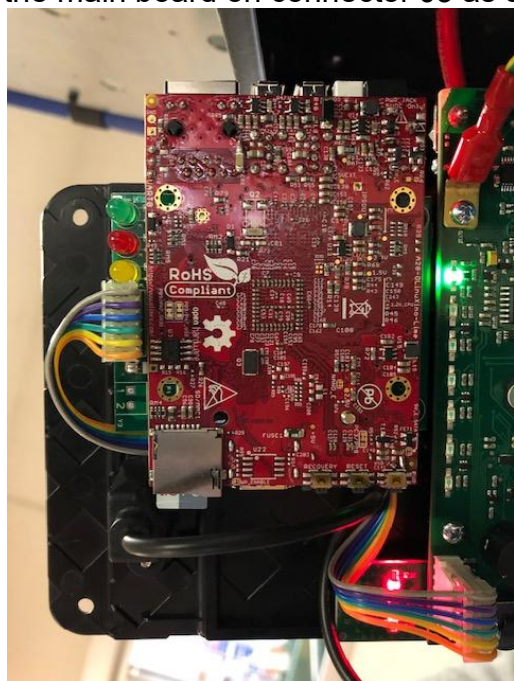
N.PIN	NOME	FUNZIONALITA
		500mA)
5	GND	Ground
6	OUTMON1	Monitored output 1
7	GND	Ground
8	OUTMON2	Monitored output 2

Connector J10

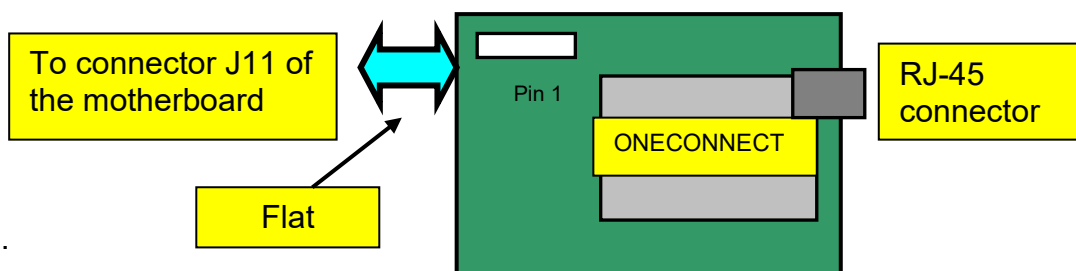
N.PIN	NOME	FUNZIONALITA
1	GND	Ground
2	RL1NO	
3	RL1C	
4	RL1NC	
	FAULT2	
	FAULT1	

6.3 ONECONNECT board (optional)

The optional ONECONNECT board is supplied with a flat cable and must be connected to the main board on connector J3 as shown below:



Connect as shown:



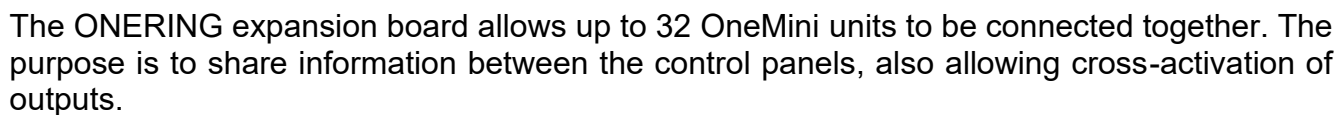
- Connect the flat cable to the central connector J3 on the network board and to connector J11 on the main board.



To avoid damage, do not force the insertion of the connectors.

Connect the control panel to the network board at the RJ-45 connector on the network board using:

- **10BASE-T crossed** mains cable for connection to the host PC
- **10BASE-T direct** mains cable: for connection to a hub.



The ONERING board is supplied with a flat cable and must be connected to the main board on connector J7 as shown below

The control panels must be connected to the network with cables having the following specifications:

- Bus cable with a guaranteed impedance of 120Ω (for example, Belden 9842)
- Maximum distance at 50 kbit/s: 1000m

Network cable characteristics

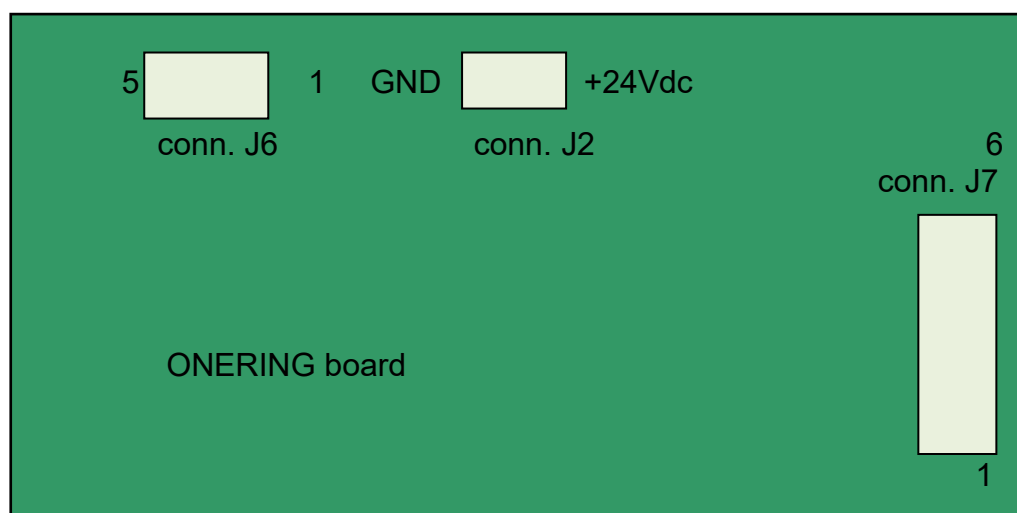
LUNGHEZZA	TIPO DI CAVO
Up to 40m	0.25-0.34mm ²
Up to 300m	0.34-0.6mm ²
Up to 600m	0.5-0.6mm ²
Up to 1000m	0.75-0.8mm ²



With 1mm twisted and shielded flame-retardant cable², the maximum distance at 50kbit/s is 400m..

The installation of the ONERING board is described below:

1. Switch off the control panel, disconnecting the batteries and removing the fuse.
2. Insert 4 spacers of 5mm M/F..
3. Mount the ONERING board and secure it with 4 screws 3x6mm.
4. Connect the flat data cable to connector J7 of the control panel Onemini.
5. Connect the power supply cable to terminals PSOUT+ and GND of connector J4 on the control panel Onemini.
6. Switch the control panel back on, connecting the batteries and inserting the fuse..



J7 Connector on TD542/C ONERING card

N.PIN	NOME	FUNZIONALITA
1	CL side A	Bus L side A
2	CH side A	Bus H side A
3	Gnd/bus	Bus reference ground
4	Gnd/bus	Bus reference ground
5	CH side B	Bus H side B
6	CL side B	Bus L side B

J2 Connector on TD542/C ONERING card

N. PIN	NOME	FUNZIONALITA
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ONEMINIGAS

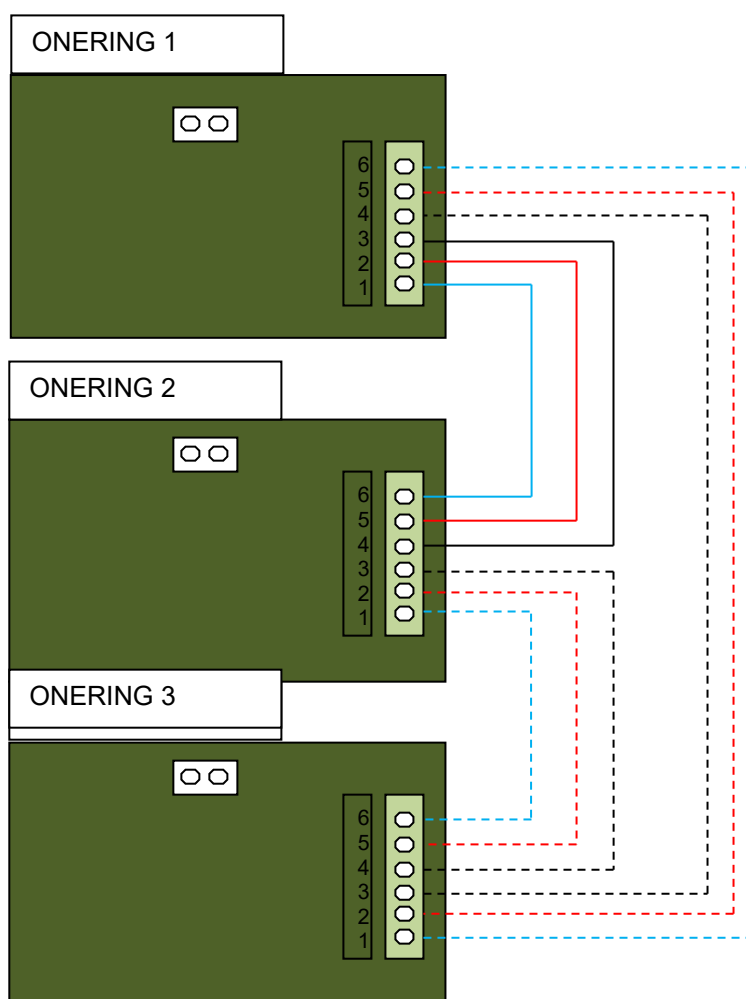
GAS DETECTION CONTROL PANEL

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1	24Vdc	Power supply +
2	GND	Power supply -

ONERING cards must be connected between each other as described below:



- CL side A of ONERING 1 with CL side B of ONERING 2
- CL side A of ONERING 2 with CL side B of ONERING 3, and so on until closing the loop by returning to OLYNET 1
- CH side A of ONERING 1 with CH side B of ONERING 2;
- CH side A of ONERING 2 with CH side B of ONERING 3, and so on until closing the loop by returning to ONERING 1.
- Also connect the ground bus between one ONERING and the next (GND)

The ONERING network has been designed to ensure the functionality of the system even in the presence of an open circuit or a short circuit on the bus.

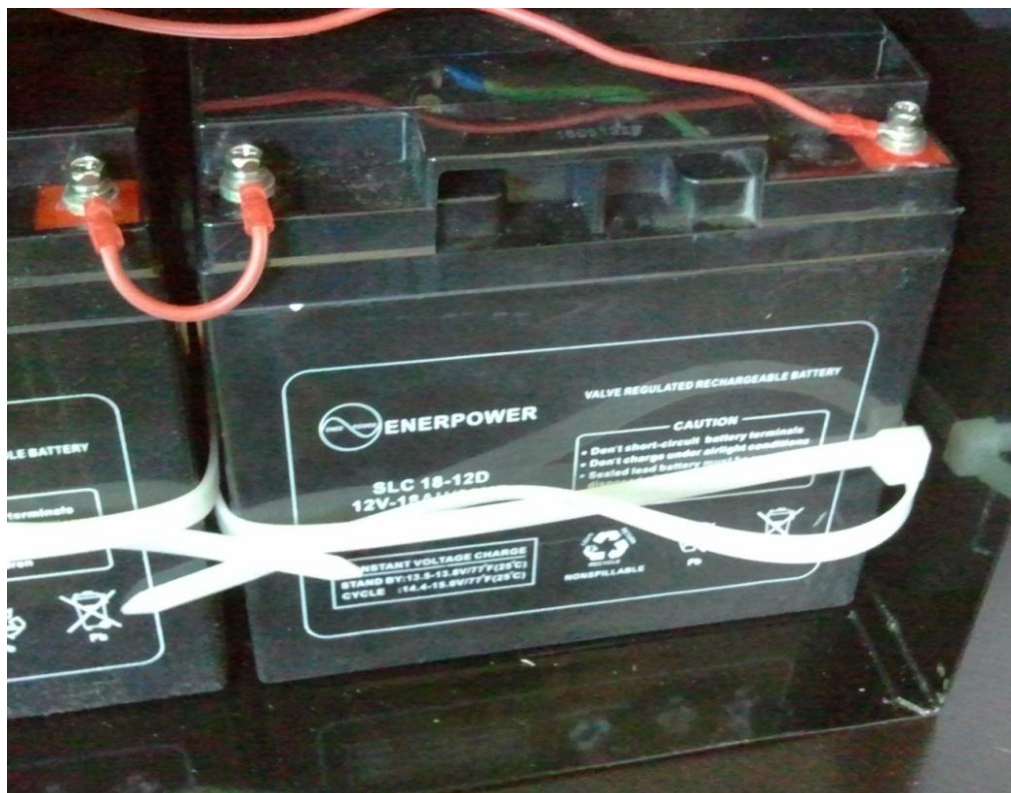
The system is able to maintain communication between the control panels, albeit in degraded mode, even in the event of a power supply failure to one or more ONERING boards.



Check the bus connections before starting the system.

6.5 Power supplies and batteries

In the Onemini control panel, two 7.2Ah batteries can be housed and installed,.



6.6 System description

The following describes the operating logic of the control panel and the various connections that must be made to set up the system.

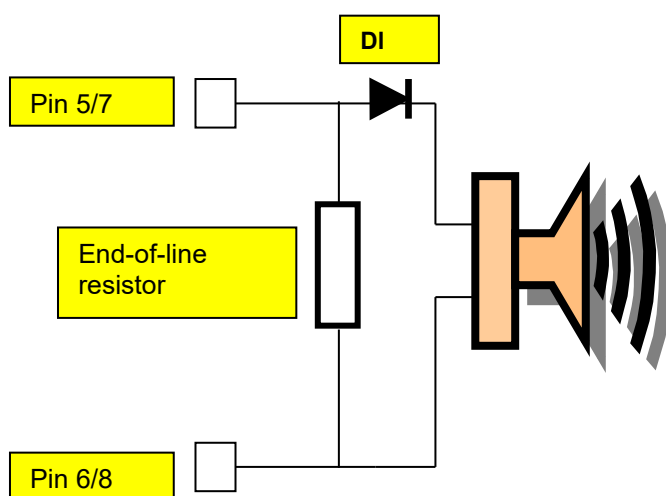
6.6.1 Connecting the sounder and the loads.

Outputs 5 and 6 of connector J4 are used for the connection of loads (sounders, bells, visual signaling panels) for which monitoring of open circuits and short circuits is required.

The control panel is able to detect the presence of an open circuit or a short circuit on the load connection line, which is signaled by a visual indication (message on the screen, illumination of the yellow LED for sounder fault) and/or audible indication (buzzer)..

Comply with the following indications:

- Connect a 3.3k Ω ¼ watt end-of-line resistor and a diode of type 1N4007. The resistors and diodes are normally supplied with the control panel



- To connect the loads to the control panel, use cables with a maximum resistance of 50 Ω .



The maximum available current is 1A @ 27Vdc.

The diagnostics of these outputs are active only when the load is deactivated, i.e. when the control panel is not signaling any alarm.

When using a load with an internal protection diode, for example audible/visual signal panels protected against reverse polarity, the protection diode may be omitted.

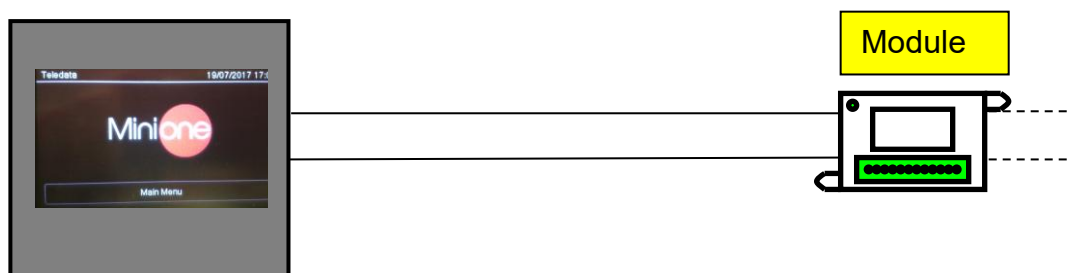
6.7 Sensor and module communication

The ONEMINI control panel communicates with addressable detection and control devices via a two-wire line, called a loop..

The control panel can be used both in systems with an open loop configuration and in systems with a closed loop configuration.

In accordance with the applicable standards, in systems where more than 32 modules/sensors are present, the closed-loop configuration must be adopted.

6.7.1 Open loop configuration



This configuration uses the outgoing lines **L+** and **L-** pin FW+ and FW-

6.7.2 Generic requirements for connecting to a loop

Comply with the following requirements:

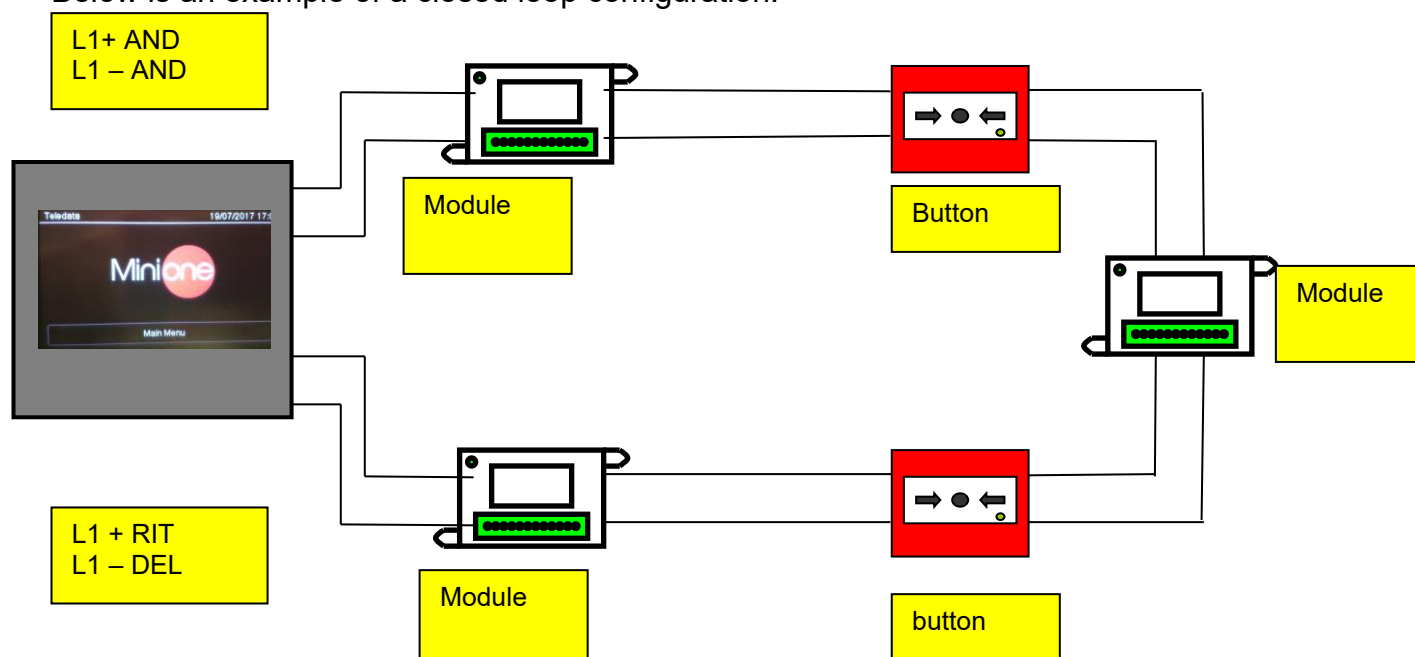
- Twisted and shielded two-conductor cable,
- Loop with only detectors, manual call points and modules, the total length of the line not exceeding:

LUNGHEZZA	TIPO DI CAVO
Up to 1250m	2x0.5mm ²
Up to 1850m	2x0.75mm ²
Up to 2500m	2x1mm ²
Up to 3500m	2x1.5mm ²
Up to 5000m	2x2.5mm ²

- Line resistance not exceeding 100Ω,
- Line cables installed in a dedicated path,
- Cables at an adequate distance from the power lines.

6.7.4 Closed loop configuration

Below is an example of a closed loop configuration.



In this type of configuration the lines are used **L-** and **L+ AND**, **L-** and **L+ RET**

It is possible to connect up to 240 devices, between sensors and I/O modules.



If SFx000E type detectors are used, place an isolator module in front, or a sensor/module with an on-board isolator for every 32 devices, as required by current regulations.

6.7.5 Requirements for closed loop connection

Comply with the following requirements:

- Total length of the line (outgoing + return) not exceeding the maximum length allowed for the cable cross-section used.

6.7.6 Devices connectable to the loop

The following wired ONE PROTOCOLL devices can be connected to the loop:

- ONEMODULE420 Module 1 input 4-20mA 1 relay output with short circuit circuit
- ONEDETECTOR1 optical smoke detector
- ONEDETECTOR1 optical smoke detector
- ONEDETECTOR optical/rate-of-rise heat detector at 58°C (cl A1 and A1R)
- ONEDETECTOR2 temperature detector (class A1R and B)
- ONECALLPOINT Resettable addressable manual call point
- ONEMODULE301 Module 3 inputs and 1 supervised output with short circuit circuit

- ONEMODULE300 Module 3 inputs with short circuit isolator
- ONEMODULE111 Module 1 input 1 relay output 1 supervised output with short circuit isolator
- ONEMODULE120 Module 1 input 2 relay outputs with short circuit isolator
- ONEMICROM10 Micromodule 1 input with short circuit isolator
- ONEMICROM01 Micromodule 1 output with short circuit isolator
- ONEMICROM11 Micromodule 1 input 1 output with short circuit isolator
- SOUND100 Addressable sounder EN 54 3 with short circuit isolator
- SOUND101 Addressable sounder EN 54 3 with flashing light and isolator short circuit
- SOUND110 Addressable sounder EN 54 3 and 23 with short circuit isolator

All the devices mentioned above can be addressed using the dedicated ONEPROGRAMMER programming tool.

Using the same tool, it is also possible to display some basic parameters of the different devices.

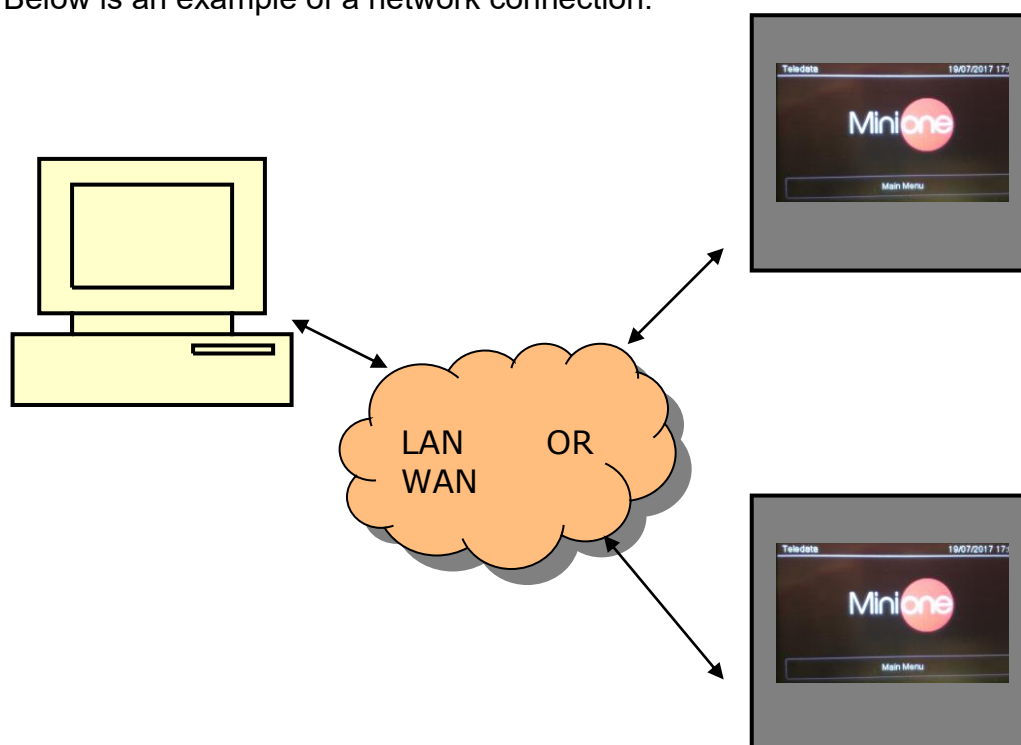
For more information about this tool, please refer to its dedicated manual.

Follow the instructions below:

- All the devices mentioned above are equipped with a built-in line isolator. This element, internal to the devices, is connected to the line. For this reason it is necessary to scrupulously follow the wiring instructions (input line, output line) described in the data sheet when connecting any device in the loop.
- It is necessary to strictly observe the instructions regarding the input / output load connections described in the data sheet for all input/output devices (I/O modules).

6.7.8 LAN or WAN network connection

Below is an example of a network connection.



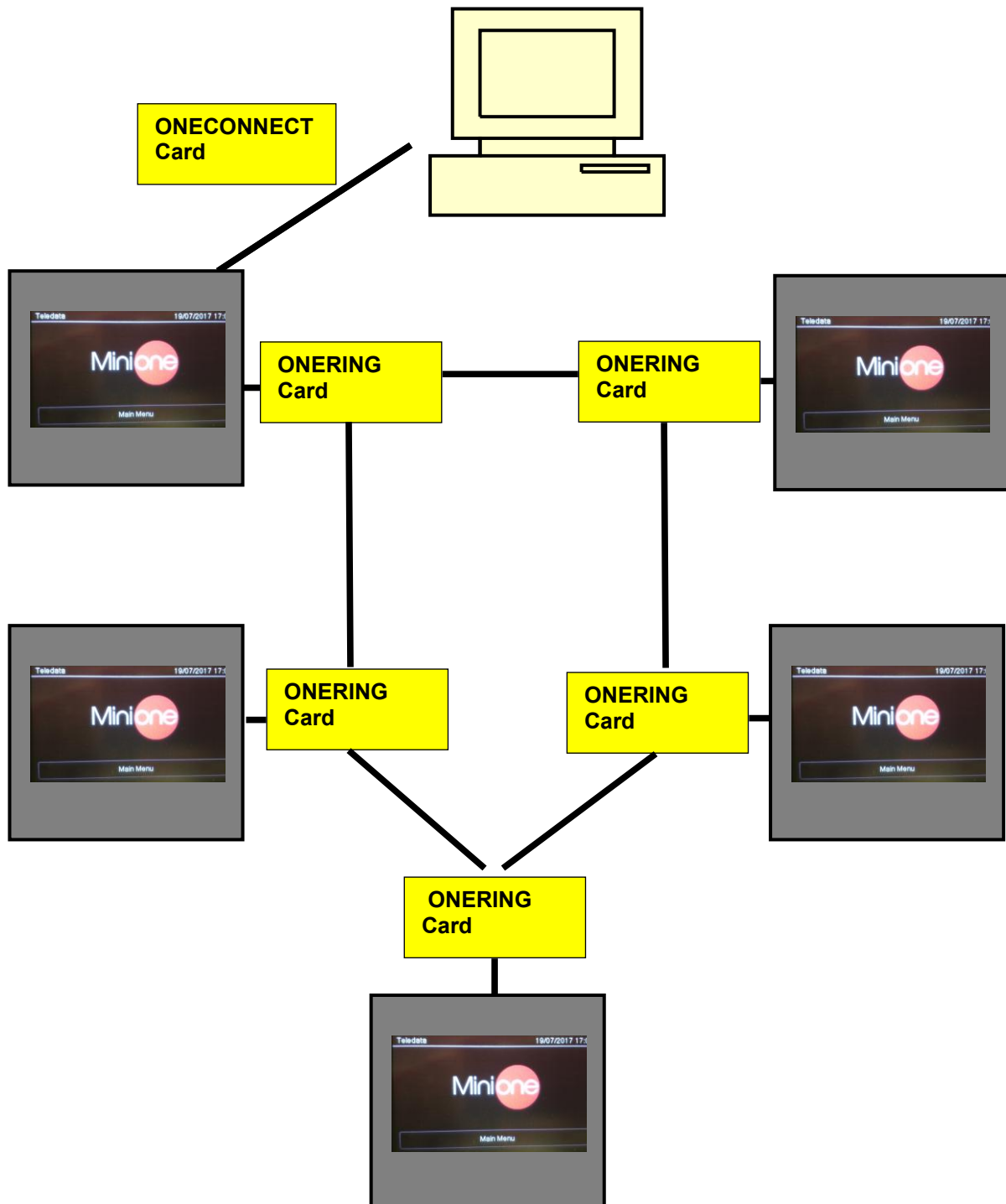
Through this configuration it is possible to connect one or more control panels in a LAN or WAN network and monitor them from a host enabled for centralised supervision.

6.7.9 ONEMINI control panel ring network

Multiple OneMini control panels can be connected to each other creating a ring network on a dedicated bus, following the installation of the optional ONERING network boards.

In this type of network it is possible to share information on events and alarms.

Below is an example of a ring network connection.



6.8 Power supply

6.8.1 Mains input characteristics

The control panel must be installed in accordance with national installation regulations.

Connection to a separate AC line is required, which must be marked with the wording **IMPIANTO ANTINCENDIO**.

Use a two-pole circuit breaker of at least 6A.

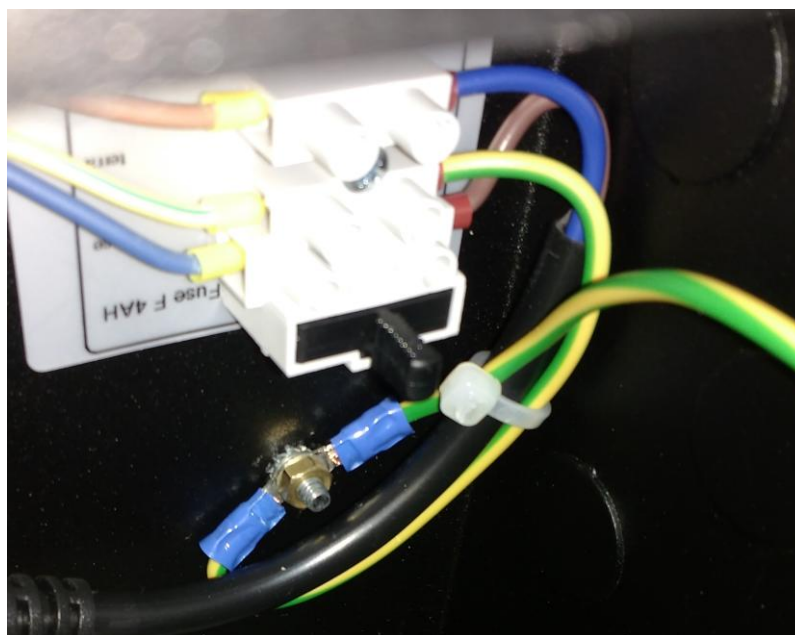
The connection cables must be of an adequate cross-section and have a minimum insulation of **600V**.

The power supply input has to have the following features:

- Supply voltage 230 Vac +/- 10%
- Frequency 50/60 Hz

6.8.2 Ground connection

The earthing system must be made in accordance with the CEI and ISPLES standards, and must have a resistance lower than **10Ω**.



6.8.3 Power supply unit characteristics

The characteristics to be known during the installation of the system are:

- Service voltage output: 27.6V - Max. 500mA
- Battery charge voltage: 27.6V - Max. 900mA
- Low battery threshold: 21.6V
- Battery disconnect threshold: 20.4V

The operation of the battery charger is described below:

- In the event of a mains power failure, the control panel begins to be powered by the backup battery. The green mains-present LED switches off.
- If the battery voltage drops below the low battery threshold, an audible (buzzer) and visual (message on the screen).
- In this situation, to restart the control panel, restore the network power supply.
- At this point, to restart the control panel it is necessary to restore the mains voltage. If no battery is connected, at the first periodic battery presence check the control panel emits an audible (buzzer) and visual (message on the screen) warning to signal the absence of batteries.
- If the internal resistance of the batteries (also considering the contact resistance and the cable resistance) is greater than 800 mΩ, the control panel emits an audible and visual warning



The internal resistance value refers to 7.2Ah batteries.

As regards the +24V auxiliary power supply section for external loads:

- The output of this voltage is protected against short circuits.
- In the event of a short circuit, an audible (buzzer) and visual (message on the screen) warning is issued.

6.9 Control panel internal wiring

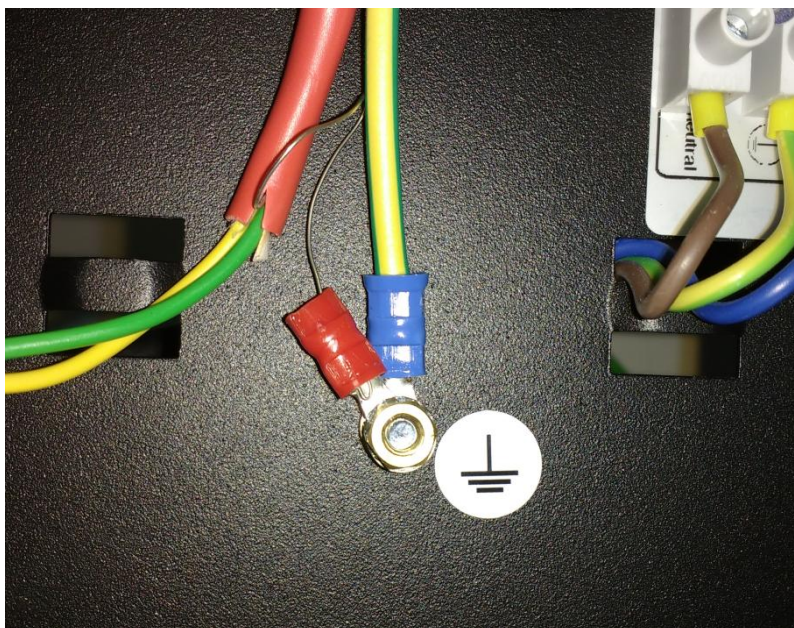
The internal wiring of the control panel must be done in such a way as to be easily accessible in the event of future maintenance

The cables can enter the panel unit through the holes provided in the top of the box and on the back.

Output cables with a diameter of 22 mm must be used.

It is important to connect the cable shields to an earth terminal of the mechanics.

For closed loops, connect only one side of the shield, leaving the other end unconnected..

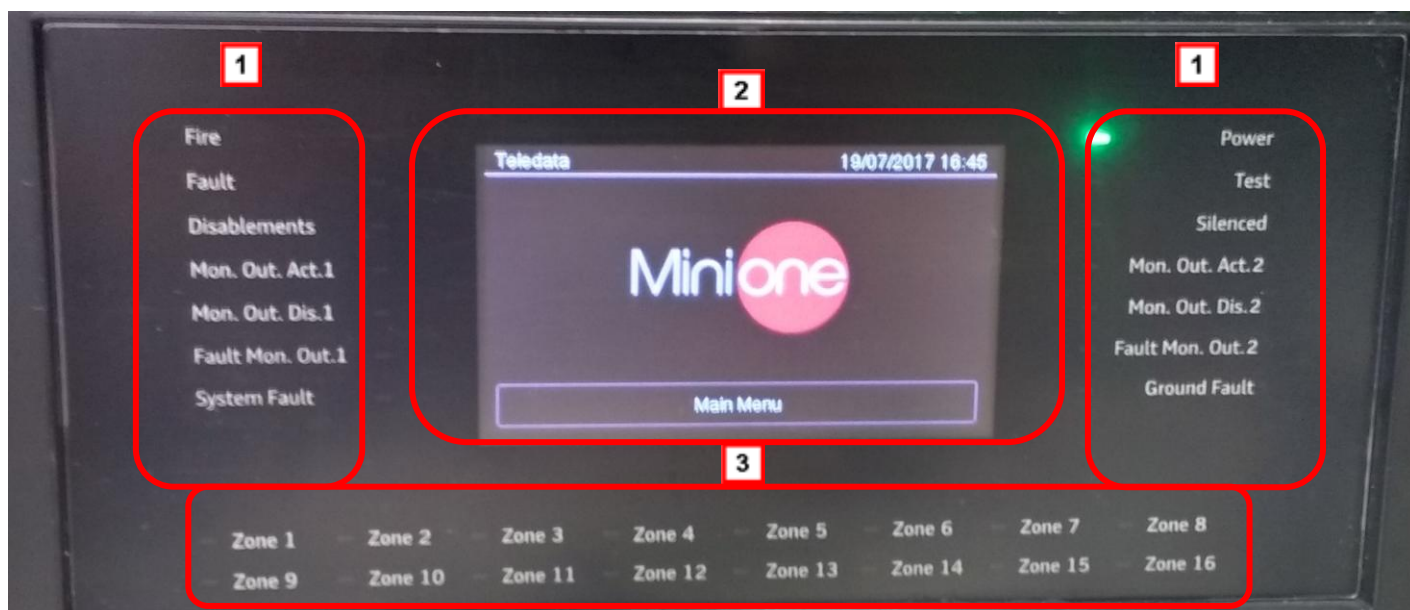


Below is an example of wiring with a complete control panel..



7. Control panel

The control panel features the following elements:



Area	description
1	Status LED
2	Graphical interface (touch screen)
3	Zone LED

7.1 LED status

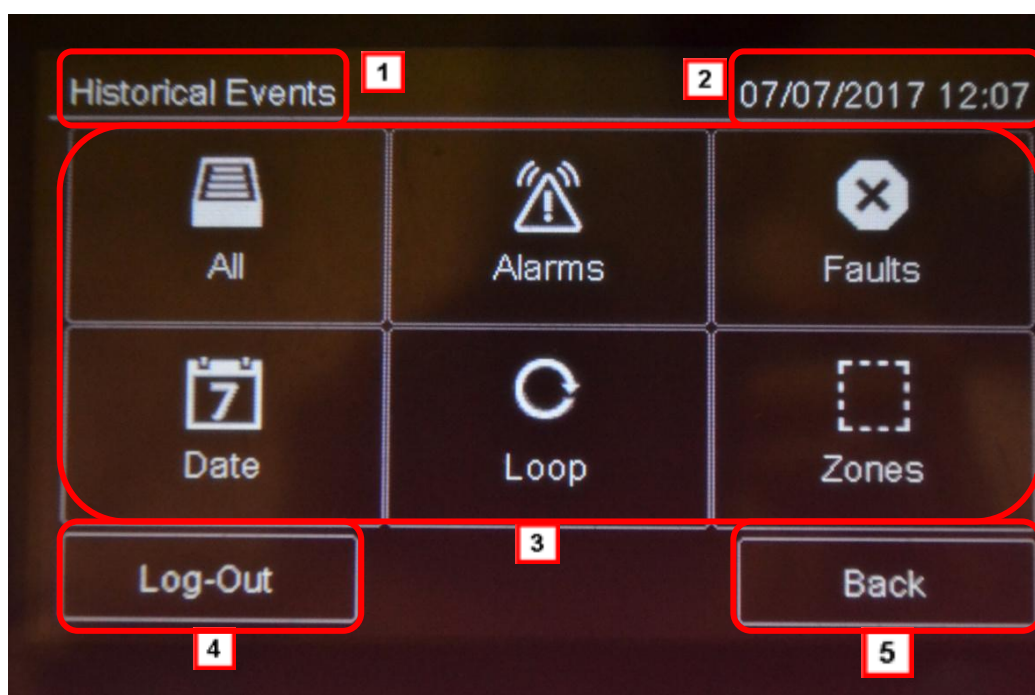
The following led are on the control panel:

Name	Color	description
Alarm	Red	Fire in at least one point of the system
Fault	Yellow	Generic fault
Exclusions	Yellow	At least one device or peripheral excluded
Monit. Out. Act.	Yellow	Monitored output active
Excl. Monit. Out.	Yellow	Monitored output excluded
Monit. Out. fault	Yellow	Fault on the monitored output
CPU fault	Yellow	CPU fault
Network	Green	220V power supply present
Test	Yellow	Test in progress on at least one device
Silenced	Yellow	Alarm silenced
Extinguishing Activ.	Yellow	Extinguishing circuit activated (currently not available)

Name	Color	description
Extinguishing det.	Yellow	Extinguishing circuit deactivated (currently not available)
Ext. Out of service	Yellow	Extinguishing circuit fault (currently not available)
Forced blocking Ext.	Yellow	Extinguishing circuit blocked (currently not available)

7.2 Graphical interface

The following elements are always displayed in all menus:



Area	description
1	Page name
2	Control panel date and time
3	Page-specific content
4	Exit button
5	Back button

7.3 Operator types

The control panel can be used by three different types of operator:

- **User** that can:
 - Display the detected events on the system
 - Silence the alarms and the control panel
 - Reset the alarms and the control panel
 - Exclude the devices
 - Test the devices installed
 - Export the history log to USB event
 - Diagnose the devices
- **Programmer** that can:
 - Perform all the operations to configure and initialize the control panel
 - Display the detected events on the system
 - Exclude the devices
 - Test the devices installed
 - Add and configure new devices
- **Assistance** that can:
 - Perform all the operations reserved for the service Assistance.

Each operator can access only the screens necessary to carry out the operations within their remit.

While any operator can view the status of the system and the ongoing events, because these operations are accessible directly from the Main page, which is not protected by an access code.

7.4 Access levels

The control panel has three access levels:

- **Level 1:** no access code required
- **Level 2:** reserved for operators of type *User* (up to a maximum of three operators), is code required for access
- **Level 3:** reserved for operators of type *Programmer*, a code is required of access (plus closing jumper JP3)
- **Level 4:** reserved for service personnel, connection is required from PC via cable.

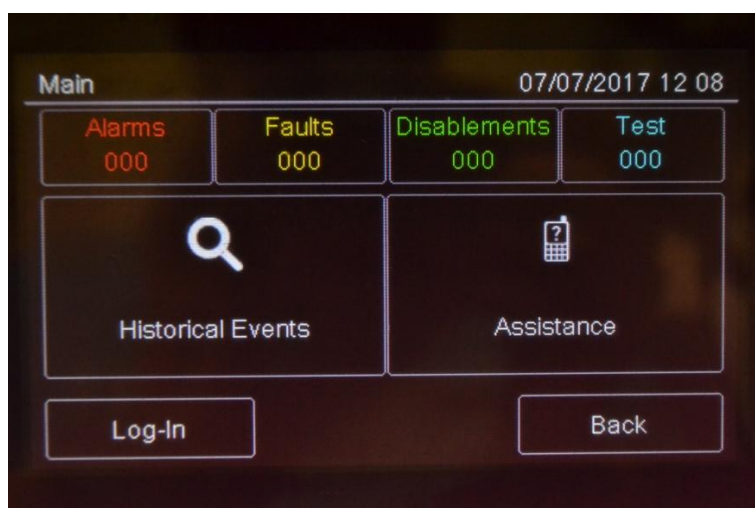
8. Basic operations for any operator

8.1 Displaying basic information

On power-up, in the absence of events, the Home page is displayed:



Press on **Main Menu** to display it:

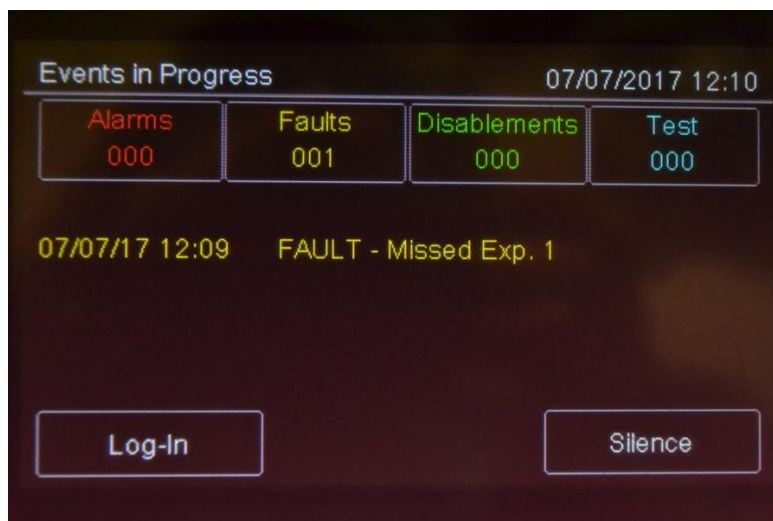


The menus on this page are accessible without entering any code.

Options

Menu	Function
Events	Opens the Events menu.
Assistance	Opens the Assistance page.

When any type of event is present, at power-on the page is displayed **Events in progress**.



Fields

Fields	description
Alarms	Displays the number of devices in alarm.
Faults	Displays the number of devices in fault status
Exclusions	Displays the number of excluded devices.
Test	Displays the number of devices in test status.

Options

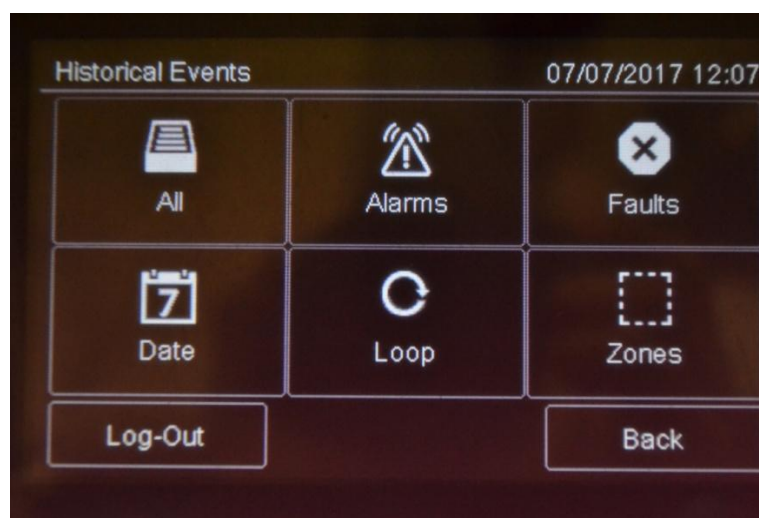
Options	Functions
Log-in	To access the control panel functions with an access code.
< >	To scroll through the pages that display all events.
Silence	To silence the control panel buzzer (but not the devices in alarm).

8.1.1 Displaying events

Main Menu -> Events



The menu **Events** allows the recorded events to be displayed by category.



Procedures

To display all events:

- Select **All**: a list of all the events is displayed.

To display all alarms:

- Select **Alarms**: a list of all the alarms is displayed.

To display all faults:

- Select **Faults**: a list of all the faults is displayed.

To display the events of a specific day:

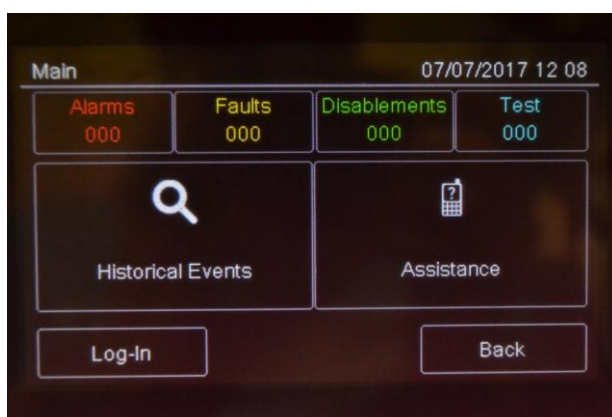
- Select **Date**: the screen of the **History by date**.
- Set the date of the day for which you want to display the events.
- Press **Save** to confirm: all events of the selected day are displayed.

To display the events of a specific loop:

- Select **Loop**: the screen of the **History by loop**.
- Select the loop for which you want to display the events.
- Press **Save** to confirm: all events of the selected loop are displayed.

To display the events of a specific zone:

- Select **Zones**: the screen of the **History by zone**.
- Select the zone for which you want to display the events.
- Press **Save** to confirm: all events of the selected zone are displayed.



:the various sections of the event history can be accessed by pressing directly on the boxes shown in the image above; each of them will lead to the display of the events relating to that section.

8.1.2

Displaying support information

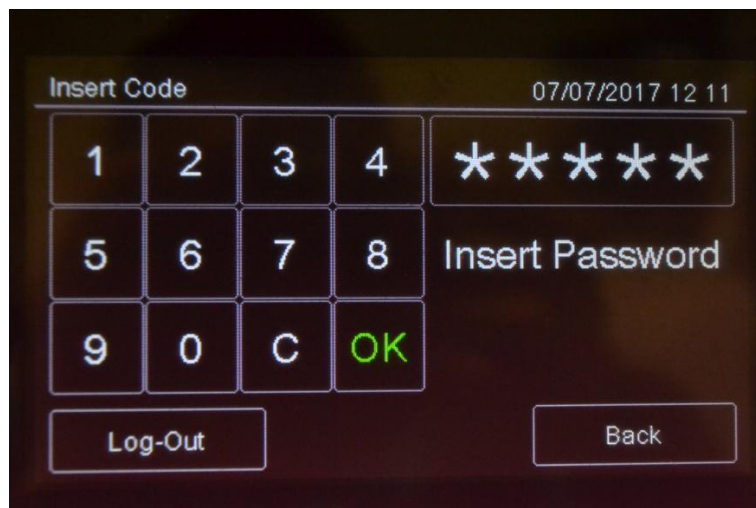
Main Menu -> Assistance



This page displays the information needed to receive support.

8.2 Login

Main Menu -> Log-in



Default settings

By default, the following codes are set:

- **Profile User:** 22222, 22223, 22224
- **Programmer Profile:** 33333



By default, the user profiles for passwords 22223 and 22224 are disabled. For instructions on how to enable them, see *Enable users and change the codes of access*).

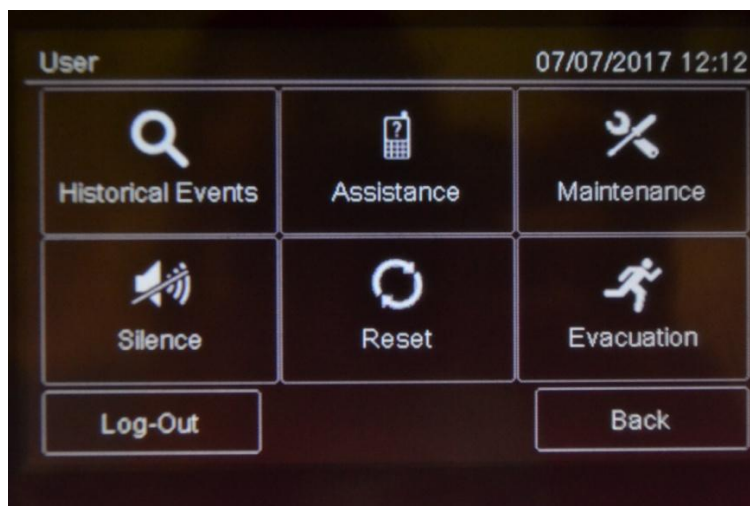
Procedures

1. Enter the five digits of the code.
2. Press **OK** to confirm: depending on the code entered, the relevant menu.

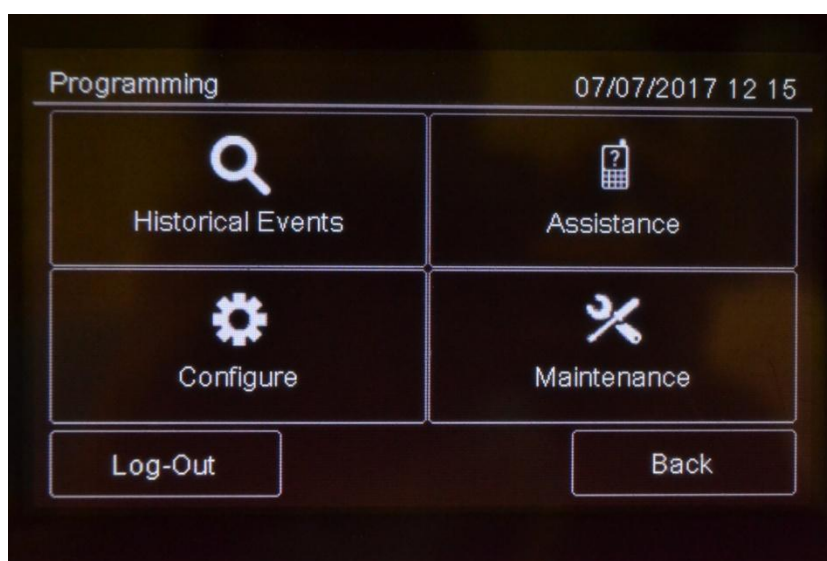


Change the password as soon as possible to prevent unauthorized access to the system (see *11.2 Abilitare gli utenti e modificare i codici di accesso*).

Menu **User**



Menu **Programming**



The following describes the procedures for performing the tasks required by the various operators who work on the control panel.



This icon identifies the functions reserved for the User.



This icon identifies the functions reserved for the Programmer.

9. Programming



The functions described below can be performed only by authorized operators who have a system access code specific to the tasks they must perform.

9.1 Configuring the control panel



The following functions are reserved for the Programmer operator.

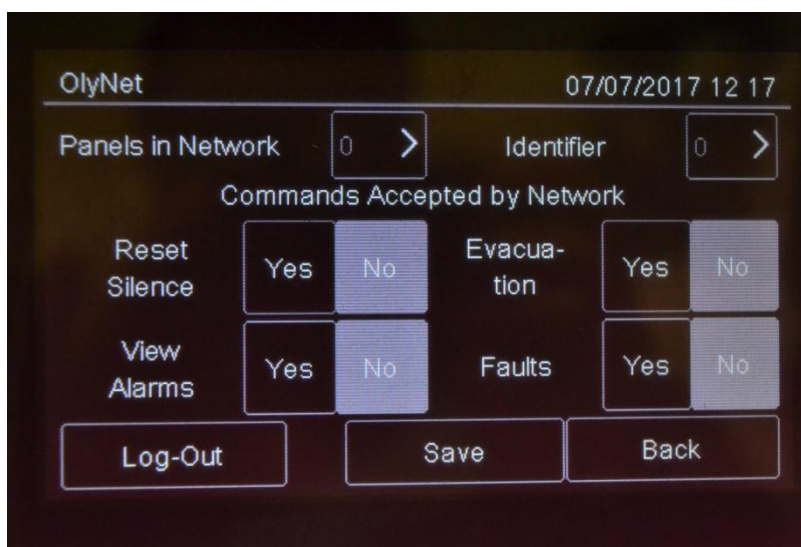
To configure the control panel after installation:

- Set the number of expansion boards installed,
- Address the devices,
- Set the name and characteristics of the connected devices,
- Group the devices into zones,
- Define the relationships between the zones,
- Create logic functions to activate the outputs,
- Set the activation of the outputs,
- Set the calendar.



10.1.1 Prog. Menu -> Configuration -> System -> Add. Boards -> Onering

This function allows the parameters required for the correct operation of the OneRing system to be configured. To be able to use this feature, the additional OneRing board must be installed in the control panel, and the control panel must be connected in a ring with another control panel of the OneMini model



Procedures

1. Select the number of connected control panels in the loop.
2. Select the individual control panel and confirm its model and the number of loops used.

3. Set the ID of the control panel being configuring.
4. Set the commands accepted by the network.
5. Press **Save** for confirm.

10.1.2 Performing auto-addressing

Programming Menu -> Configuration -> Auto Addr.



Function currently not available.

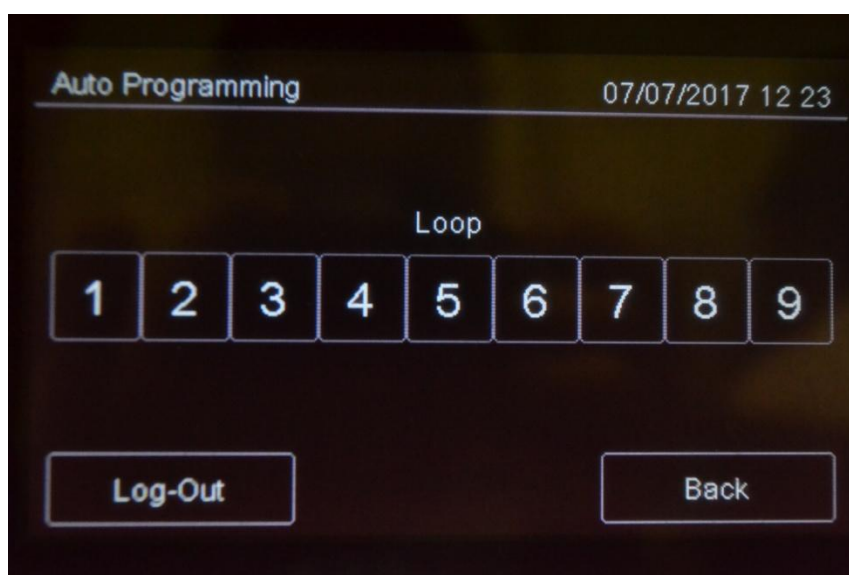
This function allows an address to be automatically assigned to all devices connected to the control panel, without the aid of the FDVPU1000 manual programmer.

10.1.3 Performing auto-programming

Programming Menu -> Configuration -> Auto Progr.

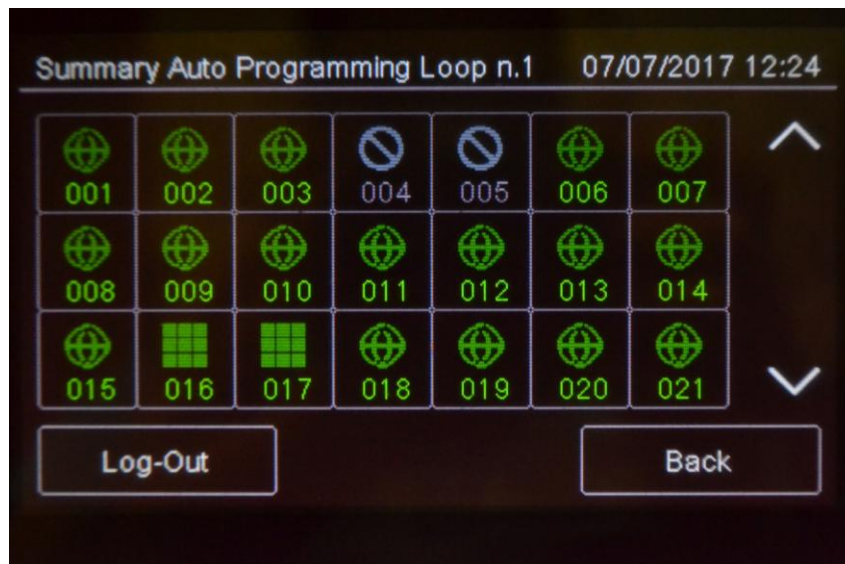


This function allows all devices connected to the control panel to be searched for and stored.



Procedures

Select the desired loop: auto-programming starts and the detected devices are displayed as in the example.



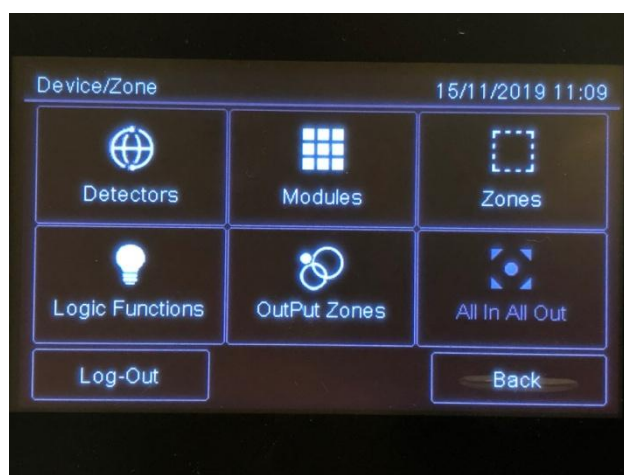
10.2 Configuring All In All Out

Programming Menu -> Configuration -> Devices/Zones -> All In All Out

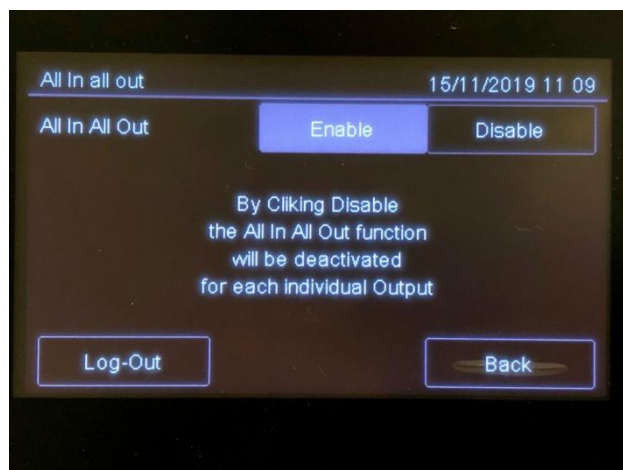
This is a safety mode that allows the activation of all outputs even before completing the “cause / effect” configurations.

By default, the All In All Out setting is enabled, so at the first alarm of an input, all outputs will be activated.

Once programming has been carried out and rechecked, this setting can be changed and disabled.



When the general settings of this parameter are changed, all outputs will follow this state.



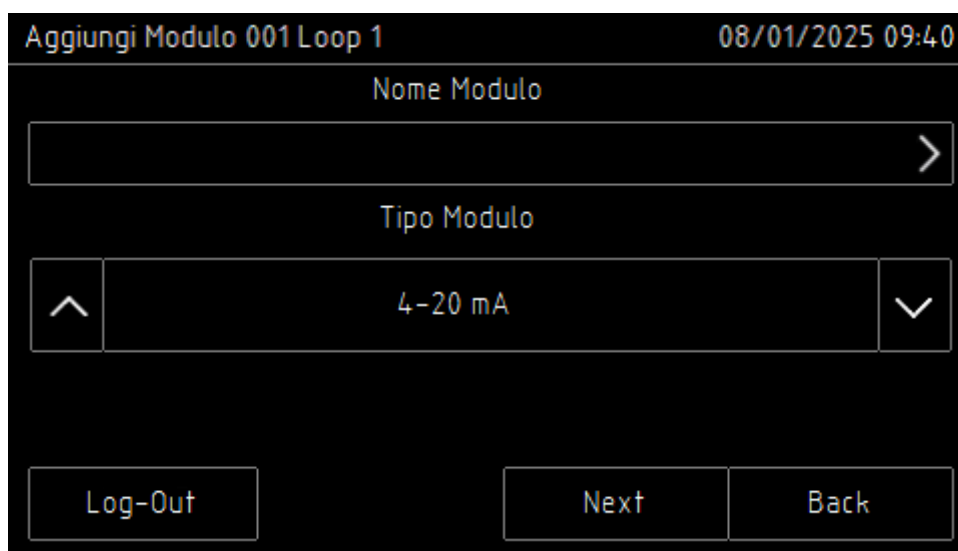
It is possible to activate this feature also for each individual output. (see 10.4)

10.3 GAS module configuration



The following functions are reserved for the Programmer operator.

Programming Menu -> Configuration -> Devices/Zones -> Modules



Select the 4-20mA module type

By selecting 4-20 mA and pressing Next, you move to the Gas type selection page. See table 2 for the supported types.

Aggiungi Modulo 001 Loop 1				08/01/2025 09:40							
Tipo Gas											
^		NH ₃				v					
Unità di Misura	^		ppm	v		Pre Allarme	^		50.0	v	
Allarme	^		20.0	v		Fondo Scala	^		300.0	v	
Log-Out				Next				Back			

By selecting the Gas Type, the default values of the selected type will be displayed. It is however possible to modify the values according to requirements.

Pressing Next moves to the following page:

Aggiungi Modulo 001 Loop 1				08/01/2025 09:40							
Memorizza	^		No	v		Auto Ripristinabile	^		No	v	
Isteresi On	^		000	v		Isteresi Off	^		000	v	
Tempo On	^		000	v		OutPutZone	^		Si	v	
Log-Out				Next				Back			

Key **MEMORIZZA**

Latch YES

The outputs, once in alarm, will remain in this state

On Time and Off Hysteresis are reset to zero and not used.

The associated OutPutZones will be deactivated only by a Reset command.

Latch No

The outputs will return to the idle state when the value drops back below the alarm / pre-alarm threshold

Keys **ISTERESI**

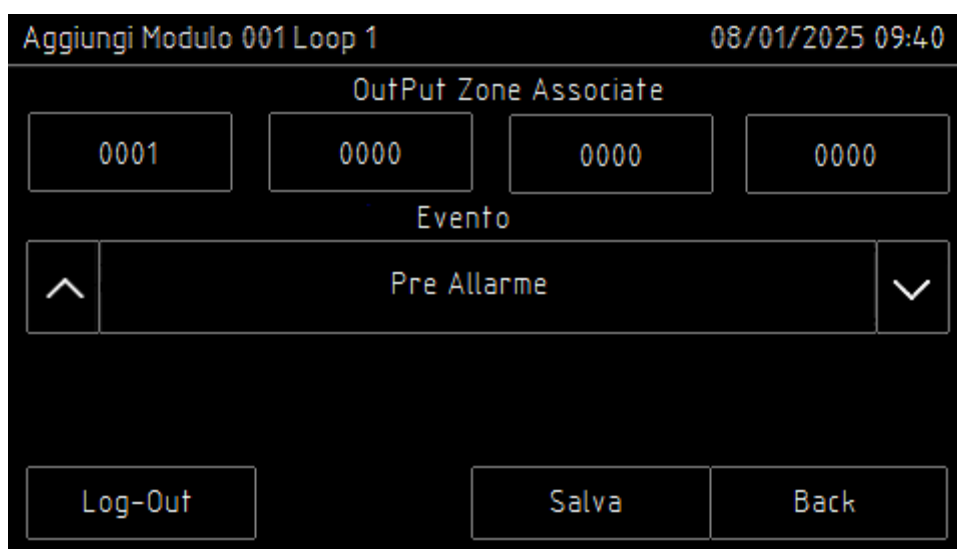
Hysteresis On (0 – 300 sec.) is the activation delay of the outputs of the OutPutZone associated with the module.

Hysteresis Off (0-300 sec.) is the deactivation delay of the outputs of the OutPutZone associated with the module once the module alarm has cleared. Not usable with Latch Yes.

Key **OUTPUT ZONE**

The association of the input to Output zones is activated

Pressing the OutPutZone button to Yes will display the following page to associate the OutPutZones with the module and the activation event.



Aggiungi Modulo 001 Loop 1 08/01/2025 09:40

OutPut Zone Associate

0001 0000 0000 0000

Evento

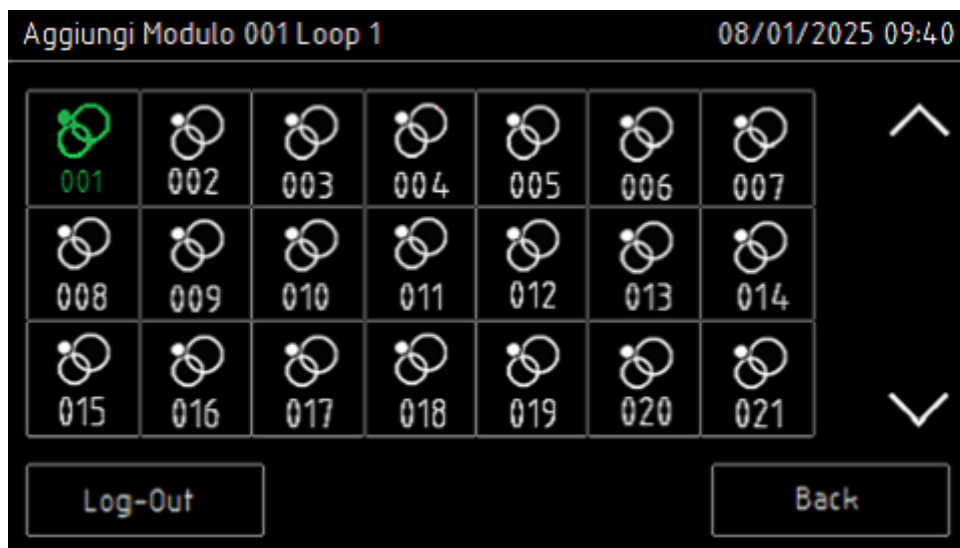
^ Pre Allarme v

Log-Out Salva Back

Pressing the OutPutZone association buttons will display the page to choose the OutPutZone to associate (maximum 4 per Module).

In addition, it is possible to select the type of event that will activate the OutPutZone
Pre-alarm, Alarm, Fault

The OutPutZones in green are the associated ones.



10.4 Configuring the detectors



The following functions are reserved for the Programmer operator.



Programming Menu -> Configuration -> Devices/Zones -> Sensors

This function allows you to:

- add a sensor
- modify an already inserted sensor
- copy the settings of an already configured sensor to one or more consecutive sensors
- delete a sensor
- delete a sensor

Parameters

Below are the parameters to be set to configure a sensor.

Parameter	Description
Name	Name to identify the detector
Type	Type of connected sensor: Argus (Optical, Thermal, Optical/Thermal) Apollo (Optical, Thermal, Optical/Thermal, Ionization, Flame, Beam)
Radio	Identifies wireless devices. When wireless devices are present, a FDW2W wireless translator must be installed.
Alarm check	Enables an alarm presence verification mechanism for a time programmable with the parameter Verification seconds .
Verification seconds	Interval, in seconds, during which a detector must remain in alarm before the control panel signals the fire alarm. If set to zero, the control panel enters the alarm state only when it receives three consecutive alarms from the detector within 60

Parameter	Description
	seconds of the first alarm. On receiving the first two alarms, the control panel simply ignores them and resets the detector.
Remote Output	This setting changes the detector's remote LED output to make it work as a control panel output. If set to YES, the following settings appear: Evacuation activation: This output follows the evacuation command All In All Out: This output follows the A.I.A.O. activation mode Silenceable: This output follows the "Silence/Reset" command
Sensitivity management (optical sensors only)	24 H: the sensitivity level remains the one set for the whole day. Night: the sensitivity increases by one level during the night. Fixed: sensitivity set fixed at Medium High. If Night management is selected, also set the Weekly Schedule parameter.
Sensitivity	Sensor sensitivity level (Low, Medium Low, Medium High, High)
Section to disarm (only for sensors multiple)	Day: select the part to disable during the day (optical or thermal) Night: select the part to disable during the night (optical or thermal) If this function is used, also set the parameter Weekly Trend.
Weekly trend	Defines the planned weekly pattern for managing the sections to be disarmed. (see <i>10.8.5 Impostare gli andamenti settimanali</i>).

Procedures

To add a detector:

1. Select the option **Add**: a list of the loops present in the system is displayed.
2. Select the loop to which to add the detector: a list of the detectors present in the loop.
3. Select an unused sensor number: the parameter setting window is displayed for the sensor.
4. Enter the parameters required.
5. Press **Next** to switch to the screens subsequent.
6. Press **Save** for confirm.

To modify a detector:

1. Select the option **Edit**: a list of the loops present in the system is displayed.
2. Select the loop to which the sensor.
3. Select the sensor desired.
4. Change the settings.
5. Press **Save** for confirm.

To delete a detector:

1. Select the option **Delete**: a list of the loops present in the system is displayed.
2. Select the loop to which the sensor.
3. To delete a single detector, press twice on the sensor.
4. To delete multiple consecutive detectors, press the first and last detector of the range.
5. Press **Save** to delete the sensor or the sensors.

To replicate a detector:

1. Select the option **Copy**: a list of the loops present in the system is displayed.
2. Select the loop to which the sensor belongs to duplicate
3. Select the sensor whose settings are to be copied settings.
4. Select the first sensor of the group to which to apply the settings copied.
5. Select the last sensor of the group to which to apply the settings copied.
6. Press **Save** to apply the settings to all sensors selected.

10.5 Configuring the modules



The following functions are reserved for the Programmer operator.



Programming Menu -> Configuration -> Devices/Zones -> Modules

This function allows you to:

- add a module
- modify an already inserted
- copy the settings of already configured modules to one or more consecutive sensors
- delete a module

Parameters

Below are the parameters to be set to configure all types of module.

Parameter	Description
Name	Name to identify the module
Radio	Identifies wireless devices. When wireless devices are present, a translator must be installed
Type	Module type: Argus (Input, Output, Expander), Apollo (Input, Output, Expander, Multi I/O 1+1, Multi I/O 2+2, Multi I/O 3+3).

Below are the parameters to be set to configure modules of type **Input**.

Parameter	Description
Type	Module type (Input, Gas Call point).
Alarm check.	Enables an alarm verification procedure, for a period of time that can be programmed using the Verify seconds parameter
Check sec	Interval, in seconds, during which the detector must remain in alarm before the control panel displays the fire alarm. If set to zero, the control panel will switch to the alarm state only when it receives three consecutive alarms from the detector within 60 seconds of the arrival of the first. The first two alarms received will be ignored by the control panel and will reset the detector.
Technological	Identifies the alarm signal as "technological" and therefore less critical. By setting a module as technological, it is possible to set 3 other functions: Ground, Latching and Pre-Alarm
Pre-alarm	Enables the pre-alarm function. When a pre-alarm type event is detected: all output modules associated with the output zones for which the pre-alarm has been activated are activated (see <i>10.6 Configurare zone di output</i>), the red LED on the control panel flashes, if during the pre-alarm time the pre-alarm is not reset or an alarm

Parameter	Description
	occurs, the red LED on the control panel lights up steadily.
Fault	The Technological Fault that has occurred on the programmed module is shown on the display.
Auto-Reset	This function allows the automatic reset of the control panel once the input returns to stand-by condition; it is activated in the event of technological monitoring or fault.
Force alarms	This function allows the input to reset the T1 and T2 counters of the attended mode of the zones and to activate their outputs.

Following are the parameters to be set for an **Output** type module.

Parameter	Description
Type	Module type (Output, Flash, Sounder, Repeater LED).
Detector reset	This function is used to reset conventional devices not connected directly to the digital loop. Each time the control panel is reset, the output programmed as "Detector reset" will be activated for a time of approximately 5 seconds.
All In All Out	This output follows the A.I.A.O. activation mode
Silenceable	This output follows the "Silence / Rearm" command
Evacuation activation	If activated, this function allows the output being programmed to be activated in the event of an evacuation command by the user, even if the zone or logic function to which it belongs is not yet valid.
Only for modules of type Sounder	
Volume	(only for sounder models FDVBLS100/32 or FDVBS100-AV/32) Sounder volume level, also set the tone.

Below are the parameters to be set to configure Multi I/O type modules

Parameter	Description
Type	Module type (Multi I/O 1+1, Multi I/O 2+2, Multi I/O 3+3).
Device selection	This function is used to set the devices for each input and output line of the module: we will have two devices (one input and one output) if the Multi I/O is 1+1, 4 devices (two inputs and two outputs) if the Multi I/O is 2+2, and finally 6 devices (three inputs and three outputs) if the Multi I/O is 3+3.
Input types	Possible input module type to insert (input, button, gas)
Output types	Possible input module type to insert (output, flash, sounder, rep.led)



: it is important to remember that multiple modules occupy several addresses, depending on whether they are 1+1, 2+2 or 3+3; this is because the additional inputs/outputs occupy virtual addresses following the physical address of the module.

Procedures

To add a module:

1. Select the option **Add**: a list of the loops present in the system is displayed. Select the loop to which to add the module: a list of all is displayed the devices in use, both modules and sensors, present in the loop.
2. Select an unused module number (blank): the parameter setting window is displayed for the module.
3. Enter the parameters required.
4. Press **Next** to switch to the screens subsequent.
5. Press **Save** for confirm.

To modify a module:

1. Select the option **Edit**: a list of the loops present in the system is displayed.
2. Select the loop to which the module.
3. Select the module desired.
4. Change the settings.
5. Press **Save** for confirm.

To delete a module:

1. Select the option **Delete**: a list of the loops present in the system is displayed.
2. Select the loop to which the module.
3. To delete a single module, press twice on the module.
4. To delete multiple consecutive modules, press the first and last module of the interval.
5. Press **Save** to delete the module or the modules.

To replicate a module:

This function allows you to apply the settings already defined for one module to multiple consecutive modules:

1. Select the option **Copy**: a list of the loops present in the system is displayed.
2. Select the loop to which the module belongs to duplicate
3. Select the module whose settings are to be copied settings.
4. Select the first module of the group to which to apply the settings copied.
5. Select the last module of the group to which to apply the settings copied.
6. Press **Save** to apply the settings to all modules selected

10.6 Configuring the zones



The following functions are reserved for the Programmer operator.



Tip: before starting these operations, make sure you have fully understood how the various elements of the system interact. See 7.6.1 *Relazionifra gli elementi dell'impianto..*

10.5.1 Programming Menu -> Configuration -> Devices/Zones -> Zones



A zone is a part of the system made up of devices and/or events. Devices, loops and events can be associated with each zone.

This function allows you to:

- Associate events, loops and devices with the various zones
- Set the operating parameters of the various
- zones Associate output modules with a zone

10.6.2 Associating an event with a zone

Below is a description of the parameters to be set.

Parameter	Description
Alarm	The zone is activated by the alarm of the associated devices.
Fault	The zone is activated by the fault of the associated devices.
Technologic al	The zone is activated by a “technological” event from the associated devices.
Coincidence	Programmable by event type, it is the number of events that must be recorded to activate the zone.

Procedures

1. Select the option **Add**: a list of the zones present in the system is displayed.
2. Select the zone desired.
3. Select the option **Events**.
4. Select the events and their coincidence to associate with the zone.
5. Press **Save** for confirm.

10.6.3 Associating an entire loop with a zone

Parameters

Below is a description of the parameters to be set.

Parameter	Description
The entire system	If Yes , all the devices in the system will be associated with the zone. If No , select the loop associated with the zone or the individual devices.

Parameter	Description
Loop	Select the Loop that you wish to associate entirely with the zone, otherwise associate the whole system or the individual devices.

Procedures

1. Select the **Add** option: a list of zones in the system is displayed.
2. Select the zone desired.
3. Select the option **Loop**..
4. Set the parameters required:
5. Press **Save** for confirm.

10.6.4 Associating a device with a zone

Procedures

1. Select the option **Add**: a list of the zones present in the system is displayed.
2. Select the zone desired.
3. Select the option **Device**..
4. Select the desired loop: all devices present in the loop.
5. Select all devices to be associated with the zone.
(each device can be associated with different zones up to 12 times).
6. Press **Back** to save the selection performed.

10.6.5 Setting the operating parameters of a zone

This function allows the weekly behaviour of a zone to be set. This is useful for bypassing the control panel on certain days or time bands.

Parameters

Below is a description of the parameters to be set.

Parameter	Description
Zone Name	Name assigned to the zone
Weekly Auto-exclusion trend	Weekly trend associated with the zone. (see <i>10.8.1 Set the patterns weekly</i>).
Attended	If set to SI , allows setting the times of T1 , T2 , T2B and to set the weekly pattern of the reconnaissance.
T1	It is the pre-alarm time; at the moment of its activation, the zone is already in alarm but the associated outputs have not yet started.
T2	It is the reconnaissance time to physically verify the truthfulness of the alarm; T2B has the same operation but only if the alarm comes from a call point.
Weekly Reconnaissance Trend	By setting this parameter, you can program the zone as attended or unattended during the week.

Procedures

1. Select the option **Add**: a list of the zones present in the system is displayed.
2. Select the zone desired.
3. Select the option **Parameters**.
4. Enter the parameters required.
5. Press **Save** for confirm.

To verify that a zone is correctly set as attended, also follow the procedure below:

1. Enter third level, code 33333;
2. Select the Configure section;
3. Enter the System section;
4. Select the General section;
5. Enter the Miscellaneous section;
6. Check that the T1 and T2 terminals are enabled; (paragraph 10.7.10 of this manual)
7. Perform the Log-Out;

8. Enter the second level, code 22222;
9. Select the Maintenance section;
10. Choose the Exclusions section;
- 11 Enter the Attended section;
12. Check that the zone we programmed as attended is green in colour, i.e. actually set as attended.

10.6.6 Associating an output module with a zone

This function allows output modules to be associated directly with a zone. When the zone is activated, the output modules are activated automatically.

The maximum number of outputs for each zone is 60.

Below is a description of the parameters to be set.

Parameter	Description
Silenceable	If Yes , the operator can disable the output module (e.g.: sounder) by entering a password. If No , to silence the alarm it is necessary to reset the control panel.

Procedures

To add a zone:

1. Select the option **Add**: a list of the zones present in the system is displayed
2. Select the zone desired.
3. Select the option **Modules Output**.
4. For each output module, select the loop to which it belongs to.
5. Select the module desired.
6. Set the parameters required:
7. Press **Save** for confirm.

To modify a zone:

1. Select the option **Edit**: a list of the zones present in the system is displayed.
2. Select the zone to modify.
3. To modify the associated events: see *10.5.2 Associare un evento a una zona* for a description of the parameters
4. To modify the associated loops: see *10.5.3 Associate an entire loop with a zone* for a description of the parameters.
5. To modify the associated devices: see *10.5.4 Associate a device with a zone* for a description of the parameters.
6. To modify the operating parameters: see *10.5.5 Impostare i parametri di funzionamento di una zona* for a description of the parameters.
7. To modify the output modules: see *10.5.6 Associate an output module with a zone* for a description of the parameters.

To delete a zone:

1. Select the option **Delete**: a list of the zones present in the system is displayed.
2. Select the zone to delete
3. To delete a single zone, press twice on the zone.
4. To delete multiple consecutive zones, press the first and last zone of the interval.
5. Press **Save** to delete the zone.

10.7 Output-Zone configuration



The following functions are reserved for the Programmer operator.



Programming Menu -> Configuration -> Devices/Zones -> Output Zones
Settings

Below is a description of the parameters to be set.

Parameter	Description
Activation s	Type of event that triggers the zone (Alarm, Gas Pre-alarm)
Silenceable	If Yes , the operator can disable the output module (e.g.: sounder) by entering a password. If No , to silence the alarm it is necessary to reset the control panel.

Procedures

To create an output zone:

1. Select the option **Add**: a list of the output zones present is displayed in the system .
2. Select the first output zone available.
3. Set the parameters required:
4. Press **Next** for continue.
5. Select the loop to which the output module belongs to associate.
6. Select the output module to be associated with the zone of output.
7. Press **Save** for confirm.

To modify an output zone:

1. Select the option **Edit**: a list of the zones of outputs present in the system.
2. Select the output zone to modify Select the output zone to modify.
3. Change the settings.
4. For a description of the parameters.
5. Press **Save** for confirm.

To delete an output zone:

1. Select the option **Delete**: a list of the output zones present is displayed in the system.
2. Select the output zone to delete
3. Press **Save** to delete the zone of output.

10.8 Configuring the logic functions



The following functions are reserved for the Programmer operator.



Programming Menu -> Configuration -> Devices/Zones -> Functions logics

Logic functions are cause-and-effect relationships between events that occur in the control panel. Logic functions can relate:

- Sensors
- Modules
- Zones
- Alarms coming from the Onering system
- Events (currently not available)
- Logic functions

For example, it is possible to create a logic function whereby, upon the activation of a series of zones (inputs), specific outputs are activated.

Logic operators

The various inputs can be connected using the following logic operators:

- AND
- OR
- NOT
- XOR

Example of the use of logic operators

Below is an example of operation for each operator. Only two inputs per operator are used.

AND		
A	B	Y
0	0	0
0	1	0

OR		
A	B	Y
0	0	0
0	1	1

NOT	
A	Y
0	1
1	0

XOR		
A	B	Y
0	0	0
0	1	1

1	0	0
1	1	1

1	0	1
1	1	1

1	0	1
1	1	0

Parameters

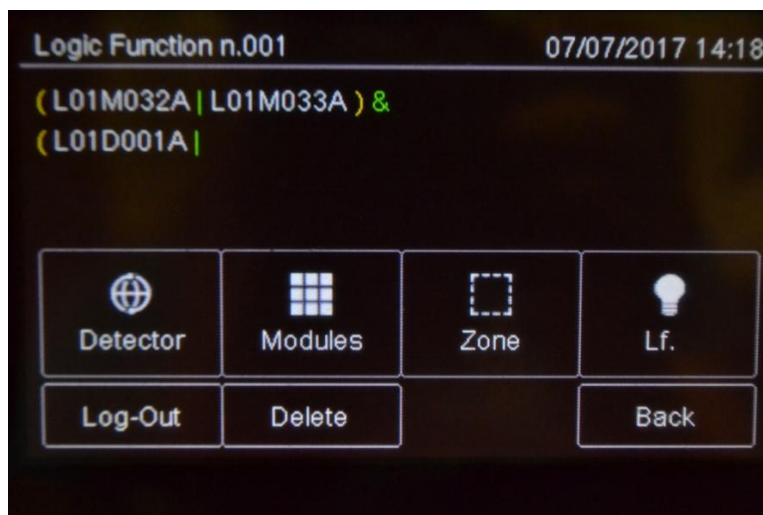
The settable parameters are:

Parameter	Description
Sensor	Loop of membership and address
Module	Loop of membership and address
Zones	Zone number
Onering	Select the control panel from which you want to import the event, and the device concerned (sensor, module, zone, etc.)
Event	Select the type of event: Sensors: - Alarm - Fault - Exclusion Modules: - Alarm - Pre-alarm - Fault - Exclusion - Technological
Logic function	Number of another logic function that activates this one.
Delay	Waiting time, in seconds, between the activation of the logic function and the activation of the output.
Duration	Output activation time, in seconds. If set to 0000, the outputs remain active until they are reset by the operator.
Associated Output Zones	Outputs activated by the logic function. These outputs must have already been programmed (see <i>10.5 Configurare zone di output</i>).

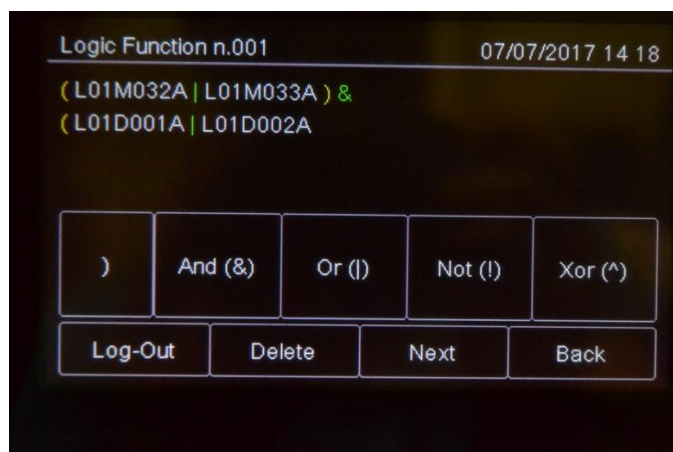
Procedures

To create a logic function:

1. Select the option **Add**: a list of the functions is displayed available logics.
2. Select the first available logic function: the page is displayed where to compose the function logic.

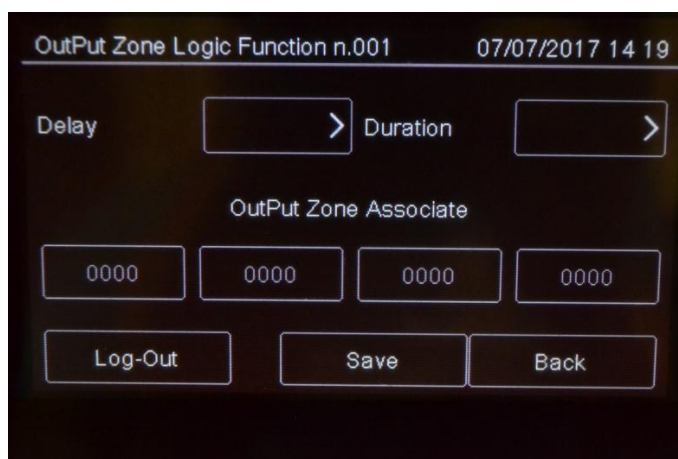


3. Press on the input that will activate the logic function. Depending on the selected input, the windows needed to identify the device, the event or the function are displayed logic.
4. For devices only, select the input status that will trigger the function.
5. Compose the logic relationship between the events.



In the example above, the logic function will be activated when detector 001 of loop 1 goes into alarm and detector 009 of loop 1 goes into pre-alarm.

6. Press **Next** to switch to the screen next.



7. Set the delay times and duration.

8. Associate the Outputs Zones
9. Press **Save** for confirm.

To modify a logic function:

1. Select the option **Edit**: a list of the functions is displayed available logics.
2. Select the logic function to modify.
3. Change the settings.
4. Press **Save** for confirm.

To delete a logic function:

1. Select the option **Delete**: a list of the available logic functions is displayed.
2. Select the logic function to delete
3. Press **Save** to delete the function logic.

10.9 Configuring the system parameters



The following functions are reserved for the Programmer operator.

10.7.1 Setting the language



Programming Menu -> Configuration -> System -> General ->

Select the desired language: the selected language is applied immediately. The languages currently available (from version 1.0A09) are:

- Italian
- English
- Turkish
- French
- Persian
- Arabic
- Polish
- Estonian
- Romanian
- Portuguese
- Danish
- Slovenian
- Dutch
- Singapore
- Hebrew
- Chinese
- Lithuanian
- Spanish

10.7.2 Entering the control panel information

Program. Menu -> Configuration -> System -> General -> Information control panel




The screenshot shows a 'Panel Info' screen with the following fields and options:

- Panel Name:** Teledata
- Support Center:** Teledata Milano +39 0227201352
- Background:** Black (selected), Blue, Green
- Logo Costum:** Teledata, Background
- Buttons:** Log-Out, Back
- Timestamp:** 07/07/2017 14 19

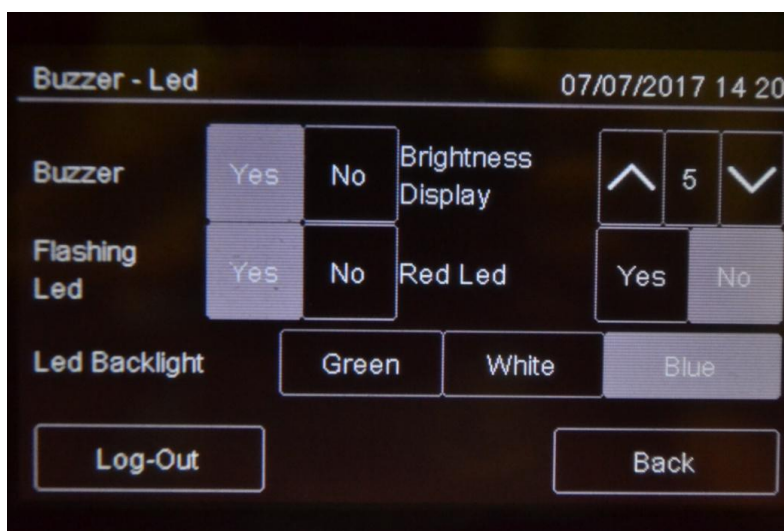
Parameters

Below is a description of the parameters to be set.

Parameter	Description
Control Panel Name	Name assigned to the control panel
Service centre	Useful data for contacting the service center
Background	Background color for the control panel (black, blue, green)
Custom Logo	Enter your logo password to customize the background of the control panel.

10.7.3 Setting the behaviour of LEDs and buzzer

Progr. menu -> Configurations -> System -> General -> buzzer



Parameters

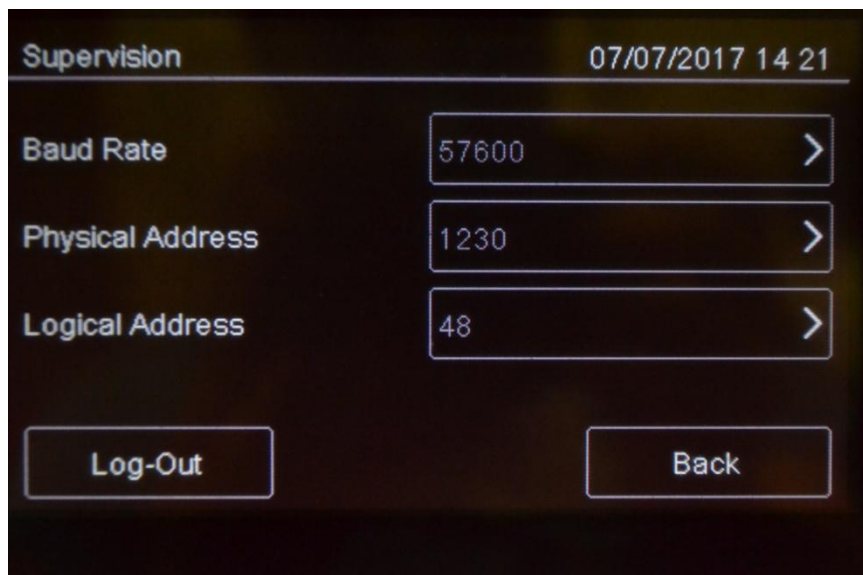
Below is a description of the parameters to be set.

Parameter	Description
Buzzer	Enables the buzzer inside the control panel. The buzzer sounds in the event of a fault, alarm or exclusion.
LED flashing	Enables the LED flashing function on the devices installed on the loop. The LEDs flash when they are polled by the control panel.
Red LED	Sets the flashing color of the LEDs on the installed devices to red. The LEDs flash when they are polled by the control panel. Activate in systems with detectors without a built-in isolator, e.g. SFxxxxE series.
LED Backlight	Not used



Program. Menu -> Configuration -> System -> General -> Supervision

This function allows the parameters for communication with the control panel via LAN or RS-232 to be set. In this way the control panel can be monitored or programmed remotely.



Parameters

Below is a description of the parameters to be set.

Parameter	Description
Baud Rate	Select from the available options (9600, 19200, 38400, 57600). Select the higher value for a faster connection. If a PT-LAN network board is present, set the same parameter for the network board as well.
Physical addresses	Supervisor physical address
Logical addresses	Supervisor logical address



Make sure that the same values are set on the supervisor.



Programming Menu -> Configuration -> System -> General -> Loop Type

This function allows you to specify, for the loop present in the system, whether it is a closed loop or open.

Procedures

1. Set the loop type.
2. Press **Save** for confirm.

10.7.6 Restoring the factory settings

Programming Menu -> Configuration -> System -> Values of factory



This function allows the factory settings to be restored.



Once this procedure has been started it cannot be interrupted, all the programming carried out will be deleted.

10.7.7 Setting the peripherals

Programming Menu -> Configuration -> System -> Peripherals



This function allows the number of peripherals present in the system and connected via the RS-485 serial line to be set.

Remote Keypads (maximum 16)

Remote Mimic Panels (maximum 16)

10.7.8 Data export

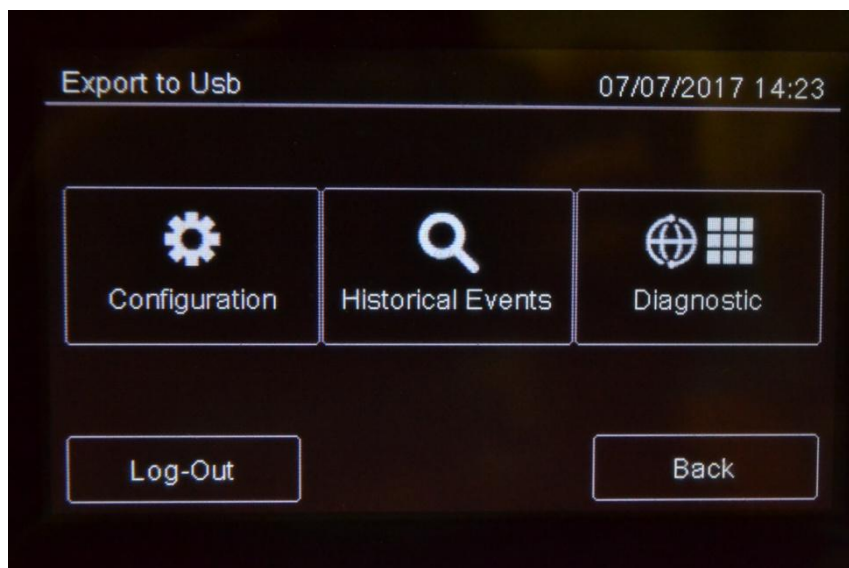
Programming Menu -> Configuration -> System -> USB -> Export



This function allows various data to be exported from the control panel to a USB storage device.



The control panel is compatible with USB drives with a capacity of up to 16Gb formatted as FAT32 with a data allocation of 4096 bytes. It will therefore be necessary to properly format the drive on a PC.



Procedures

- Insert a compatible USB drive with the aid of a MiniUSB-to-USB.
- By selecting “Configuration”, a file in a proprietary, non-editable format will be saved on the USB storage device, with the name “ONELOOP.CFG”.

If the file “ONELOOP.CFG” is already present in the root of the inserted storage device, it will be overwritten, losing the previously extracted data. The file export time is approximately 3 seconds.

- By selecting “History”, a file in .csv format will be saved on the USB storage device, which can be opened with a spreadsheet program, for example Excel, with the name “EVNTLOG.CSV”.

If the file “EVNTLOG.CSV” is already present in the root of the inserted storage device, it will be overwritten, losing the previously extracted data. The file export time depends on the quantity of events present in memory. For a control panel with a full event history, the export time is approximately 60 seconds.

- A file in .csv format will be saved to the USB storage device, which can be opened with a spreadsheet program, for example Excel, with the name “1DIAGLP.CSV”, where the number in front of the file corresponds to the loop number of the control panel.

If the file “xDIAGLP.CSV” in the root of the inserted medium, it will be overwritten, losing the previously extracted data. The file export time depends on the number of devices connected to the loop itself. For a fully loaded loop, the export time is approximately 240 seconds.



To avoid corrupting the exported data, do not disconnect the USB storage device, do not interrupt the procedure and do not switch off the control panel.

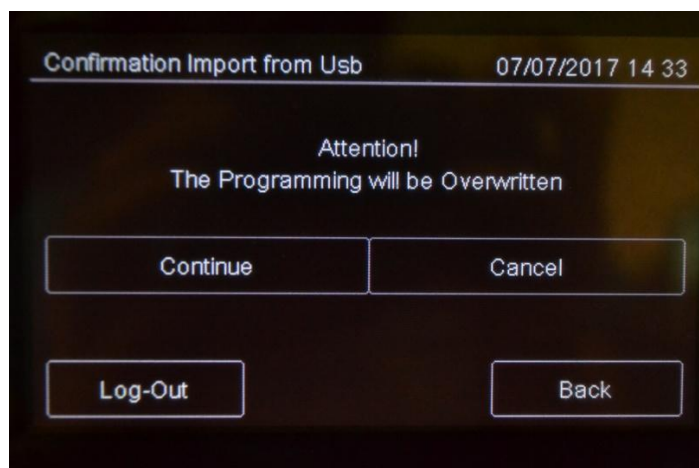
10.7.9

Data import

Programming Menu -> Configuration -> System -> USB -> Import



This function allows the previously saved configuration file to be imported from a USB storage device.



The control panel is compatible with USB drives with a capacity of up to 16Gb formatted

FAT32 with 4096-byte data allocation. It will therefore be necessary to format the medium appropriately on a PC.

The configuration file "ONELOOP.CFG" must be present in the root of the inserted medium. The existing configuration in the control panel will be overwritten by the one present on the USB medium. The file import time is approximately 20 seconds. After the import procedure, the control panel will reset itself with the newly imported configuration.

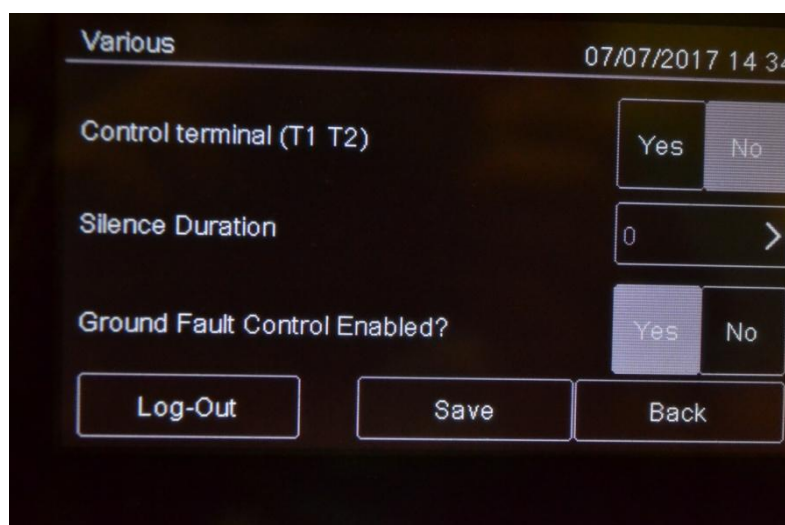


To avoid corrupting the imported data, do not disconnect the USB storage device, do not interrupt the procedure and do not switch off the control panel.

10.7.10 Miscellaneous system settings



Programming Menu -> Configuration -> System -> General -> Miscellaneous



Parameters

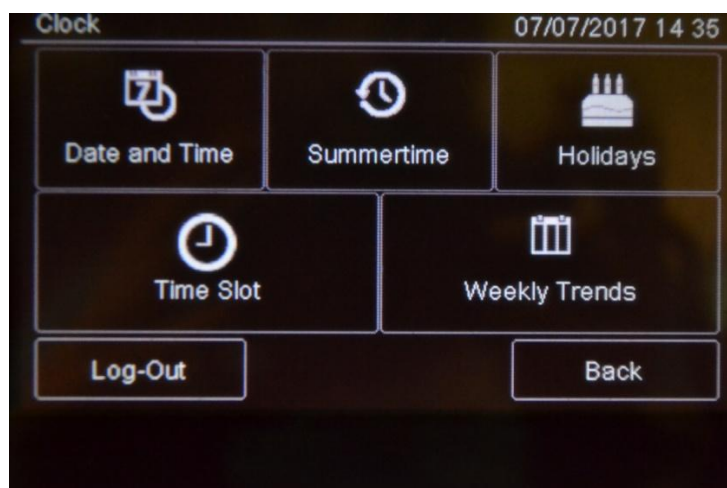
Below is a description of the parameters to be set.

Parameter	Description
Silence duration	Buzzer silence time in the event of a persistent alarm. The buzzer reactivates after this interval if the alarm is not reset.
Control Ground fault enabled	Performs the ground fault test to check for leakage. Activate this option to resolve installation errors, especially short circuits between the ground and the control panel signals (for example, to detect a contact between the shielding and the conductor of a cable).
Control terminal (T1 T2)	Enabling of the terminal for the display and control of the T1 and T2 functionality and for the display of the T1 and T2 counters, and enabling of the force alarm and silence commands

10.8 Setting the Calendar



The following functions are reserved for the Programmer operator.



10.8.1 Setting date and time

Programming Menu -> Configuration -> Clock -> Date and Time



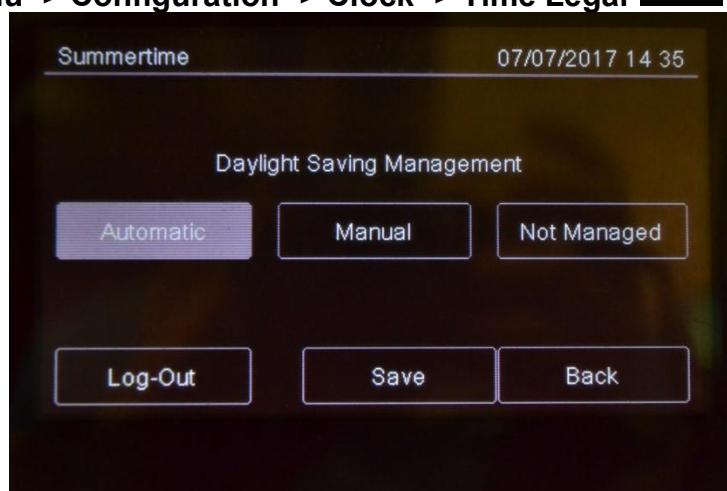


Procedures

1. Set the date and time current.
2. Press **Save** for confirm.

10.8.2 Setting daylight saving time

Programming Menu -> Configuration -> Clock -> Time Legal



Parameters

Below is a description of the parameters to be set.

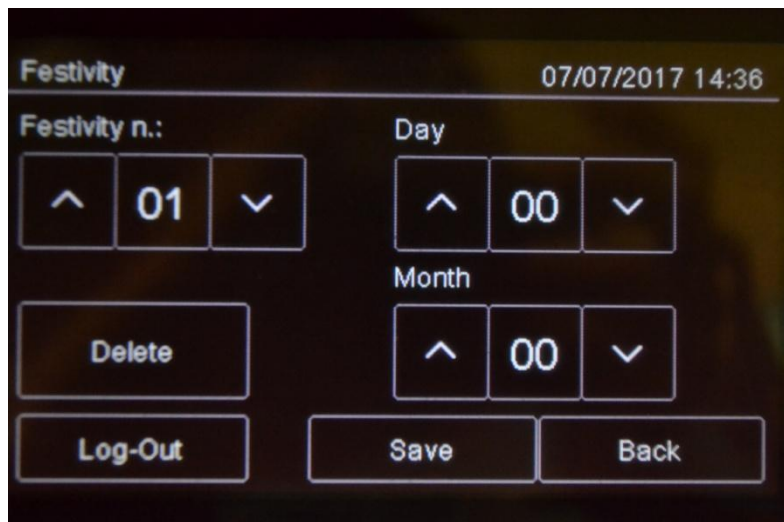
Parameter	Description
Automatic	The control panel adjusts to daylight saving time automatically.
Manual	Manually set the month and day for the start and end of daylight saving time.
Not managed	Function not active, no daylight saving time period is calculated.

10.8.3 Setting the holidays



Programming Menu -> Configuration -> Clock -> Holiday

This function allows public holidays to be programmed.



Parameters

Below is a description of the parameters to be set.

Parameter	Description
Holiday no.	Holiday identifier (1-12)
Day	Day of the holiday
Month	Month of the holiday

10.8.4 Setting the time bands



Programming Menu -> Configuration -> Clock -> Time Bands ->

This function allows up to 255 daily time bands to be defined.

Procedures

To create a new time band:

1. Select the option **Add**: the list of time bands is displayed hourly.
2. Select a time band that is not set.
3. Set the start date and time **[1]** and end date and time **[2]** of the time band hourly.
4. Press **Save** to confirm.

To modify an existing time band:

1. Select the option **Edit**: the list of time bands is displayed hourly.
2. Select the time band to modify.

3. Change the start time and end.
4. Press **Save** for confirm.

To delete an existing time band:

1. Select the option **Delete**: the list of time bands is displayed hourly.
2. Select the time band to delete.
3. Press **Save** for confirm.

10.8.5 Setting the weekly schedules

Programming Menu -> Configuration -> Clock -> Trends weekly



This function allows the created time bands to be associated with the days of the week.

Procedures

To create a new weekly schedule:

1. Select **Add**: the list of trends is displayed weekly.
2. Select a weekly schedule that is not set.
3. For each day of the week, select the time bands to associate. See *10.8.1 Impostare le fasce orarie* on how to create the time bands hourly.
4. Press **Save** for confirm.

To modify an existing weekly schedule:

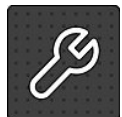
1. Select **Edit**: the list of trends is displayed weekly.
2. Select the weekly schedule to modify.
3. Change the time bands associated with the days.
4. Press **Save** for confirm.

To delete an existing weekly schedule:

1. Select **Delete**: the list of trends is displayed weekly.
2. Select the weekly schedule to delete.
3. Press **Save** for confirm.

10. Use

11.1 Displaying events



The following functions are accessible to both the User and Programmer operator.



History Menu Events

The menu **Event history** allows the recorded events to be displayed by category. See 9.1.1 *Visualizzare gli eventi* for a description of the information displayed.

11.1.1 Exporting events



User Menu -> Maintenance -> Export -> History Events

This function allows the event history to be exported from the control panel to a USB storage device..



Note: the control panel is compatible with USB drives with a capacity of up to 16Gb formatted FAT32 with data allocation at 4096 bytes. It will therefore be necessary to format the medium appropriately on a PC.

Procedures

- Insert a compatible USB drive with the aid of a MiniUSB adapter to USB.
- Go to the menu declared

A file in .csv format will be saved to the USB storage device, which can be opened with a spreadsheet program, for example Excel, with the name "EVNTLOG.CSV".

If the file "EVNTLOG.CSV" is already present in the root of the inserted storage device, it will be overwritten, losing the previously extracted data. The file export time depends on the quantity of events present in memory. For a control panel with a full event history, the export time is approximately 60 seconds.

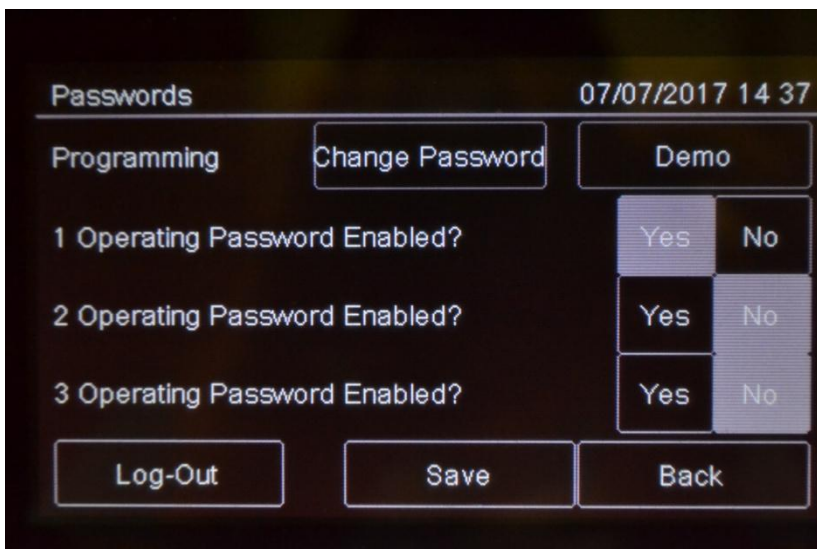


To avoid corrupting the exported data, do not disconnect the USB storage device, do not interrupt the procedure and do not switch off the control panel.

11.2 Enabling users and changing access codes

Only the Programmer operator can enable or disable access for user operators. Each operator can only change their own access code.

11.2.1 Programmer Operator Programming Menu -> Configuration



procedures

To enable access for User operators:

1. Set to **Yes** all User operators who will need to have access to the control panel.
2. Press **Save** for confirm.

To modify the access code of the Programmer operator:

1. Select the option **Edit**: the edit page is displayed code.
2. Enter the new code.
3. Confirm the new code for save.

11.3 Managing alarms

In the event of an alarm received from any device, the control panel will immediately activate the internal sounder output and turn on the red LED on the front panel.

The device that has gone into alarm state will light up its red LED.



To avoid overloading the control panel, in the event of multiple alarms no more than 10 red LEDs will be activated on the devices.



The following functions are reserved for the User operator

11.3.1 Silencing the alarms and the control panel

User Menu ->Silence



Once pressed, this button changes into **Rearm**.

This function allows the alarms active in the system and on the control panel to be temporarily silenced in order to verify the actual presence of a fire and possibly to rearm them.

Procedures

In the event of a false alarm:

Reset the control panel (see).11.3.2Resettare gli allarmi e la centrale

In the event of a real alarm:

Press the button **Rearm** to switch the sounders back on.

11.3.2 Resetting the alarms and the control panel User Menu ->Reset



User menu ->Reset

This function resets the active alarms and the control panel. It is a software reset.

If the alarms or faults are not reset before the reset, after it they will still be shown on the display by the control panel .



a Hardware reset can be performed using the dedicated button on the master board.

11.3.3 Evacuation



User Menu ->Evacuation

This function sends the control panel into the evacuation state, activating all the appropriately programmed outputs/sounders.

By activating the evacuation, all the output modules programmed as “Evacuation activation” (see 10.3 *Configurare i moduli*) will be activated, even if the zone they belong to is not active, and if the logic function they are associated with is not yet valid.

11.4 Checking the status of the devices



The following functions are accessible to both the User and Programmer operator.

11.4.1 Checking the status of the loops



Maintenance -> Loop -> Status
Procedures

Select the desired loop: the type and status of the loop are displayed.

11.4.2 Resetting a loop



Maintenance -> Loop -> Reset

Select the desired loop: it is automatically reset.

11.4.3 Running diagnostics on the devices



Maintenance -> Diagnostics

This function allows the cleanliness of the connected devices to be checked.

Sensor status

The status of the detectors is indicated by the following colors:

Color	Device condition
	Clean sensor
	Fairly clean sensor
	Almost dirty sensor
	Dirty sensor

Procedures

1. Select the desired loop: all devices are displayed connected.
2. Press on the individual detector to display its details.

11.4.4 Diagnostics export

User Menu -> Maintenance -> Export -> Diagnostics



This function allows the diagnostics of the detectors connected to the control panel to be exported to a USB storage device.



The control panel is compatible with USB drives with a capacity of up to 16Gb formatted as FAT32 with a data allocation of 4096 bytes. It will therefore be necessary to properly format the drive on a PC.

Procedures

- Insert a compatible USB drive with the aid of a MiniUSB adapter to USB.
- Go to the menu declared
- A file in .csv format will be saved to the USB storage device, which can be opened with a spreadsheet program, for example Excel, with the name "1DIAGLP.CSV", where the number in front of the file corresponds to the loop number of the control panel.

If the file "xDIAGLP.CSV" in the root of the inserted medium, it will be overwritten, losing the previously extracted data. The file export time depends on the number of devices connected to the loop itself. For a fully loaded loop, the export time is approximately 240 seconds.



Caution: to avoid corrupting the exported data, do not disconnect the USB device, do not interrupt the procedure and do not switch off the control panel.

11.5 Testing the devices



The following functions are accessible to both the User and Programmer operator.

11.5.1 Performing a Walk Test



Maintenance -> Test -> Detectors/Modules -> Walk Test

The Walk Test allows you to manually verify the ability of the devices to generate an alarm.



When the devices are placed in this mode, the system does not generate any alarm and does not start the relevant procedures.

Several types of test can be performed:

- **Single**: to check a single device.
- **Zones**: to check the devices of a zone specific.
- **Loop**: to check the devices of a loop specific.

Test result

For all tests, the result is indicated with a colour.

Color	Device condition
	Test passed successfully.
	Device not yet in alarm.

Procedures

To perform a single test:

1. Press the option **Single**.
2. Select the loop it belongs to and the address of the device.

To perform a zone test:

1. Press the option **Zones**.
2. Select the zone desired.

To perform a loop test:

1. Press the option **Loop**.

11.5.2 Checking the connection with modules and detectors



Maintenance -> Test -> Detectors/Modules -> Sensor/Modules

Device connection

For all devices, the connection status is indicated with a colour.

Color	Device condition
	Device connected correctly.
	Connection error with the device

Procedures

To test the connection with a device:

1. Select the device address: the connection with each device on the loop is displayed with a colour. The example shows correct communication with sensor 001 of Loop no.1, which is highlighted in green, and the connection error with device 002 of loop no.1, which is highlighted in red.

11.5.3 Identifying conflicts



Maintenance -> Test -> Conflicts

This function allows you to verify that there are no two devices with the same address present in the system.

1. Select the loop on which to search for any conflicts: any conflicts are shown automatically

2. If several devices with the same address are shown, modify their one.

11.5.4 Identifying inconsistencies



Maintenance -> Test -> Inconsistencies

This function allows you to verify that the devices on the loop actually correspond to the device type configured in the control panel (for example, that a detector has not been programmed as a module or vice versa).

1. Select the loop on which to search for any inconsistencies: any inconsistencies are shown automatically
2. Correct any inconsistency detected.

11.5.5 Checking the operation of the LEDs



Maintenance -> Test -> LED

This function allows you to verify that all the LEDs present on the control panel work correctly and to test the RGB values of the display

11.6 Bypassing/including system elements



The following functions are accessible to both the User and Programmer operator.



Maintenance -> Exclusions/Inclusions



Excluded devices no longer send any alarm or fault signal. This

compromises the safety of the system. Only exclude a device when strictly necessary and include it again as soon as possible..

This function allows one or more devices to be bypassed and re-included from the control panel. Any information sent by the bypassed devices will therefore be ignored by the control panel.

It is possible to include/exclude:

- devices
- loop
- zones
- output zone
- additional boards (*Function not yet available*)

include/exclude

Symbol	Element condition
	Excluded element (in the image a sensor)
	Included element (in the image a sensor)

11.6.1 Bypassing/including a device

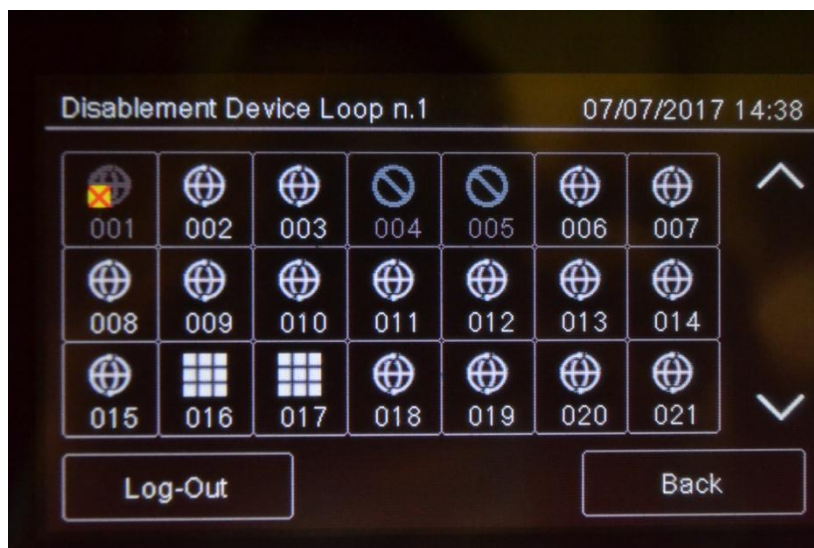


Maintenance->Exclusions/Inclusions -> Devices

Procedures

To bypass a detector:

1. Select the device to exclude.
2. Press **Save** to confirm. In the example the sensor is excluded 001.



To include a previously bypassed detector:

1. Select the bypassed device to include.
2. Press **Save** for confirm.

11.6.2 Bypassing/including a loop

Maintenance-> Exclusions/Inclusions->Loop 



Caution: excluding a loop automatically excludes all the devices connected to it.

Procedures

To bypass a loop:

1. Press **Save** to confirm.

To include a previously bypassed loop:

1. Select the bypassed loop to be included.
2. Press **Save** to confirm.

11.6.3 Bypassing/including a Maintenance zone

Maintenance -> Exclusions/Inclusions ->Zone 



Caution: excluding a zone automatically excludes all the loops and their related devices connected to it.

Procedures

To bypass a zone:

1. Select the zone to exclude:
2. Press **Save** for confirm.

To include a previously bypassed zone:

3. Select the excluded zone to include.
4. Press **Save** for confirm.

11.6.4 Bypassing/including an output



Maintenance -> Exclusions/Inclusions -> Outputs

Procedures

To bypass an output:

1. Select **Yes** for each output to exclude.
2. Press **Save** for confirm.

To include an output:

1. Select **No** for each output to include.
2. Press **Save** for confirm.

It is possible to disable: All outputs, The control panel output, Sounders, Zones or Output zones

11.6.5 Bypassing/including Attended mode



Maintenance -> Exclusions/Inclusions -> Manned

It is possible to disable/enable guarded mode.

When the zone is GREEN, the mode is active.

11.7 Changing the user password



The following functions are reserved for the User operator.

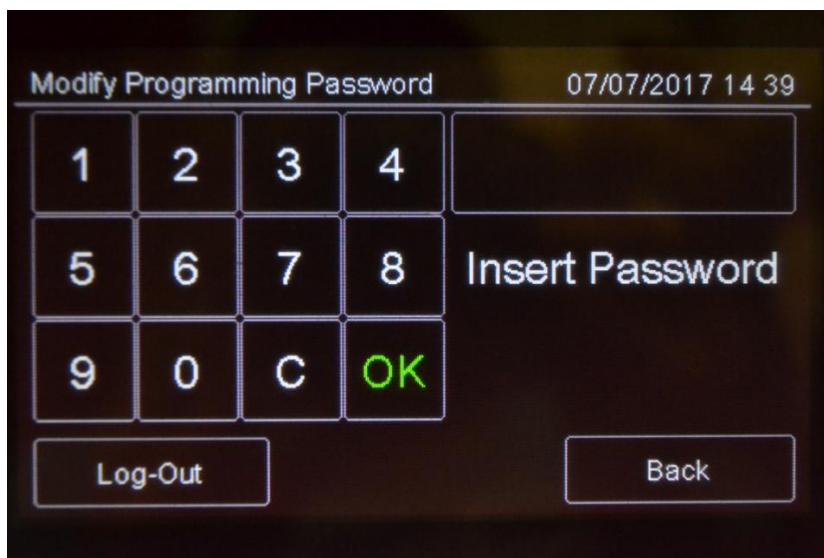


Maintenance -> Edit codes

This function allows the user password with which you are currently logged in to be modified.

To modify the access code of the User operator:

1. Select the option **Edit**: the edit page is displayed code.



2. Enter the new code.
3. Confirm the new code for save.

At the next login it will be necessary to use this new code



Each user changes their own password. To enable other users (max 3) see paragraph 11.2.

11.7.1

Reminder



Maintenance -> Maintenance expiry

It is possible to program a message to warn that maintenance has expired.

At midnight on the selected date, a warning popup will be displayed