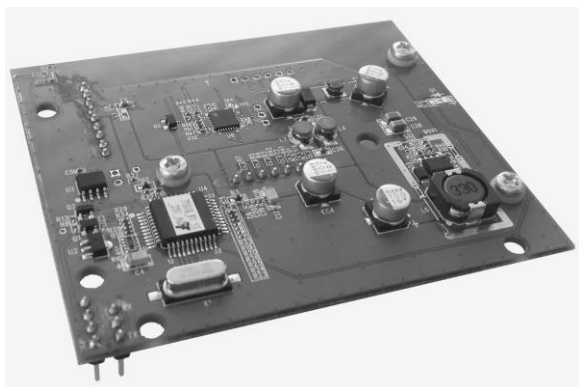


RADIO MODULE
Ref. 1068/011**RADIO INTERFACE ON BUS**
Ref. 1068/017

Through the following QR Code, it is possible to download the eventual new version of the manual.

**1068/011**

<http://qrcode.urmet.com/default.aspx?prodUrmet=141749&lingua=en>

<http://qrcode.urmet.com/default.aspx?prodUrmet=156690&lingua=en>

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ATTENTION!

The 1068/011 radio module **CANNOT** be used with the 1068/015 control panel.

CONVENTIONS

In this manual, some conventions have been used to distinguish between different types of information:



This is the equivalent key to be pressed on the keypad.

<Master code>

<User code>

<Installer code>

This indicates the code to be entered using the keypad.

<Technical Manager code>

<Master / User code>

This means that either code may be entered on the keypad indifferently.

24/7 (24 heures)

It means that the function or service described is always active.

The manual also contains symbols that provide the following information:



Warning/Important! Attention messages highlight potential system damage, data loss or non-compliance with current regulations.



Notes: the notes contain important information, which can be useful for a better use of the system.



This symbol indicates that the function or the device invalidate the EN50131 certification.



See the installation manual of the device



Continuous supply voltage



Alternating supply voltage

1.1 MAXIMUN SYSTEM SIZE FOR 1068/011 RADIO MODULE

Only one 1068/011 radio module can be installed on the 1068 control panel series.

The maximum number of radiofrequency devices that can be managed by the module is:

- 28 IR detectors and/or magnetic contacts;
- 4 sirens;
- 8 remote controls;
- 4 radio keypad.

1.2 MAXIMUN SYSTEM SIZE FOR 1068/017 RADIO INTERFACE

The maximum number of radiofrequency devices that can be managed by radio interface is:

- 28 IR detectors and/or magnetic contacts;
- 4 sirens;
- 8 remote controls;
- 4 radio keypad.

If you use the control panel:

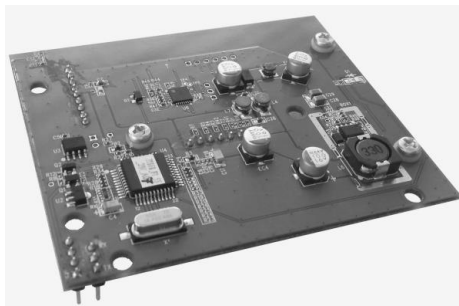
- 1068/005, you can only install 1 interface in place of 1068/011 radio module
- 1068/010, the maximum number between interface and modules is 2 (example: 1 module and 1 interface or 2 interfaces).



IMPORTANT!

The installation of the expansion, of the interface or radio devices results in the loss of EN50131 certification.

1.3.1 1068/011 Radio module



Optional radio module that makes it possible to integrate, radio devices as infrared detectors, magnetic contacts, sirens, remote controls radio keypads in the wired 1068 control panels series.

The radio module is connected via a connector dedicated to the control panel and is equipped with an antenna and 868 MHz receiver/transmitter apparatus for two-way radio communication with the combined radio devices.

The radio module can manage up to:

- 28 IR detectors and/or magnetic contacts;
- 4 sirens;
- 8 remote controls;
- 4 radio keypads.



- **Before using the module remember to enable it, as it is disabled by default.**
- For radio devices that can be combined to the 1068/011 radio module, please see the Urmet catalogue.

1.3.2 1068/017 Radio interface on Bus



Optional radio interface that makes it possible to integrate, radio devices as infrared detectors, magnetic contacts, sirens, remote controls radio keypads in the wired 1068 control panels series.

The radio interface is connected to the control panel via bus and is equipped with an antenna and 868 MHz receiver/transmitter apparatus for two-way radio communication with the combined radio devices.

The radio interface can manage up to:

- 28 IR detectors and/or magnetic contacts;
- 4 sirens;
- 8 remote controls;
- 4 radio keypads.



IMPORTANT! The 1068/017 radio interface is possible on the control panels and keypads that have at least SW version 1.010-xxx or higher.



For radio devices that can be combined to the 1068/017 radio interface, please see the Urmet catalogue.

1.3.3 1051/025 Led Keypad



The Led keypad is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.

It has 4 function keys, three keys for the arming and disarming of associate zones and one key for the system status.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.4 1051/035 Remote control



The remote control is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.

The device has a two-tone LED to signal the command transmitted and a low battery.

The remote control has 4 programmable keys, three keys for the arming and disarming of associate zones and one key that can be configured to enable and disable potential outputs that can be commanded or generate other types of signals.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.5 1051/101 – 1051/102 IR Detector standard version and with PET immunity function



A passive infra-red detector to detect movements in the area it monitors.

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.

A tamper guarantees protection against opening and removal. The device has test, supervision, battery low signal, and LED to signal radio communication.

The device can be installed in an angular position by means of the bracket provided.

The detector is designed to operate with a detection range of 12 meters, mounted at a height of 2 meters from the ground.

The 1051/102 version, allows the use of these detectors even in the presence of animals weighing less than about 27 kg, within 7 meters of flow, without generating alarms.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.6 1051/103 Dual technology indoor IR detector



The indoor detector implements infrared (PIR) and microwave (MW) motion detection technology. The combination of the two detection methods considerably reduces the false alarm rate, employing PIR as initial detection and of microwaves for confirmation before sending the alarm signal.

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.7 1051/105 IR detector for outside with Pet immunity function



Outdoor detector with double passive infrared (PIR) motion sensor which minimises the risk of false alarms caused by small animals, cars or other external interferences, making it easy and practical to use.

The automatic temperature sensitivity adjustment guarantees optimal performance regardless of environmental changes or external interferences.

Furthermore, the global detection range efficiently adapts to all installation environments.

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.8 1051/107 IR detector for outside dual technology with Pet immunity function



Detector with passive infrared (PIR) and microwave motion sensor capable of detecting movements in an assigned area and indicate them to the control panel to activate the intrusion alarm.

The holes provided in the base of the product allow installation on a flat surface using the 90° bracket (Ref. 1033/018) or a joint (Ref. 1033/019), both of which are optional, if necessary.

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.9 1051/108 IR detector curtain effect



Detector with passive infrared (PIR) motion sensor capable of detecting movements in an assigned area and indicate them to the control panel to activate the intrusion alarm.

The base of the product is provided with holes for installing it on a flat surface or in a corner.

The detector has a single tamper micro switch which is activated when the lid is opened. Furthermore, it can send a warning to indicate a communication problem or flat battery conditions. The detector is designed to work within a detection field of 8 metres.

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.10 1051/201 – 1051/202 Magnetic contact



Mini magnetic contact detector to monitor opening/closing of specific devices (e.g. a door or a window). The contact is fixed onto the door or window frame, while the actuation magnet must be fixed onto the door or window itself. When the door or window is opened, the magnet moves away from the contact making the inner magnetic switch trip and activating the sending of an alarm signal to the control panel. The device can also send information on faults and flat battery indications.

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.

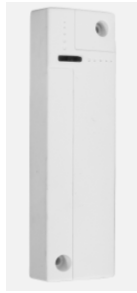
A tamper guarantees protection against opening and removal. The device has test, supervision, battery low signal, and LED to signal radio communication.

Available also in brown (Ref.1051/202).



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.11 1051/203 Multifunction magnetic contact



A magnetic contact detector to monitor the opening and closing status of the door or window where it is installed.

It has wired inputs which may be used to connect a NC (Normally Closed) contact of a wired device or a shutter or rolling blinds opening detector (use of wire contacts for rolling blinds Urmet Ref. 1033/207 is recommended).

It is powered by a lithium battery and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.

It is programmed by a jumper. A tamper guarantees protection against opening and removal.

The device has test, supervision, battery low signal, and LED to signal radio communication.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

1.3.12 1051/405 External siren with flashing



Siren suitable for outdoor installation that signals acoustically and optically, through strobe light, an alarm condition when it receives the related signal from the radio module 1068/011 or radio interface 1068/017.

The programming of the siren and the sounding time is done by the DIP switch.

A tamper guarantees protection against opening and removal.

It is powered by an alkaline batteries and communicates via radio both with the Ref. 1068/011 module and with the ref. 1068/017 interface in bidirectional mode.

The device has test, supervision and low battery signaling functions.



Device usable in combination with a 1068/011 radio module and / or 1068/017 radio interface.

2 BASIC INFORMATION

2.1 HOW AN INTRUSION RADIO ALARM SYSTEM AND BUS IS MADE

2.1.1 Radio and Bus system

This main distinction between installations is based on the technology used to connect the various devices to the control panel and each other. The radio system connection is also called wireless.

Pros	Cons
Requires no wiring: all communications occur via radio and components can be positioned where it is most convenient.	It is sensitive to radio shielding: some materials can affect the radio waves, impeding or making communication more difficult among the various devices.
The devices can be easily moved if the need should arise, for example if the arrangement of furniture should change in a room protected by a volumetric detector.	It is more sensitive to sources of electromagnetic disturbances (ex. electric meters, electric motors, washing machines, refrigerators, etc.), which may make communications among the various devices difficult.
It is possible to create a system where all the components are powered by long-life batteries, so it is not necessary to connect the system to the electrical power supply *.	It is necessary for at least one radio channel to be free (in other words, one channel with no other systems using it).
Quick installation: it is sufficient to install the system components where needed, with no need to wire them.	-----
Installation times are considerably shorter, so as not to create inconveniences in the home or workplace.	-----

* Not all manufacturers have radio alarm systems that can function entirely without being connected to the electrical utility.

Table 1 - Radio technology (tips)

Radio technology (tips):

- in inhabited buildings or where it is not possible to intervene on the wall structure;
- where wiring can be particularly costly and difficult;
- for temporary intrusion alarm systems.

2.1.1.1 Radio apparatus

There are two types of radio apparatus used in the alarm systems: those that allow the system to connect to the external environment, like the radio modules for the cell phone network, and those that allow wireless communications within the system, mainly between radio devices and the control panel.

It is important to verify that the radio devices of the alarm system use the specific frequencies established by legislation and that they are capable of using more than one radio channel.

Some may ask: can these radio devices create disturbances for other equipment present?

Are all these electromagnetic waves harmful?

The answer to the first question is very simple: the conformity with laws practically excludes this type of problem.

The same is true for the second question, but in this case it is better to analyse the topic in more detail. Above all, the radio devices transmit with extremely low power; secondly they mainly work as receivers and transmit only when necessary and for durations of just a few seconds. In other words: they almost never transmit and so do not emit electromagnetic waves; when they must do so it is only for very brief moments and very low power.

2.1.1.2 The bus

A particular type of connection is the bus, which can be either wired or radio. It is essentially a channel of communication that transfers data and information among the various devices of the system, guaranteeing their interaction.

3 COMMAND DEVICES

3.1 1051/035 REMOTE CONTROL

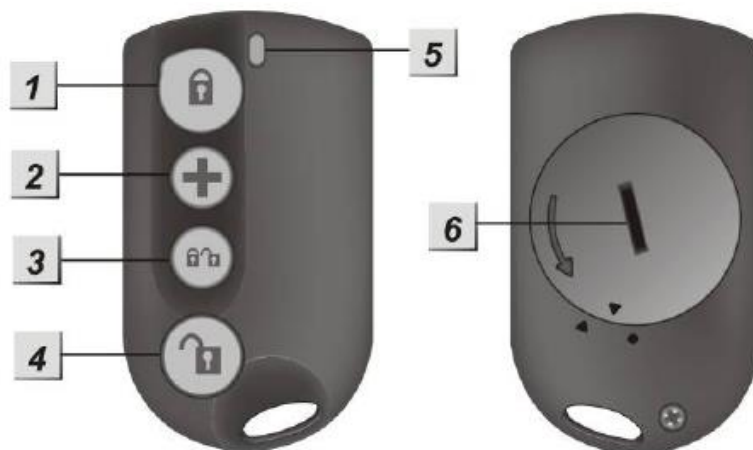






Figure 1 - 1051/035 Remote control

Ref.	Description	Use or indications provided
	Key 1 Total arm	Arms all associated zones.
	Key 2 Programmable according to control unit	This key can only be used to arm/disarm OUTPUT devices or to generate two different alarm types: Anti thief or Emergency.
	Key 3 Partial arm	Arms all associated zones.
	Key 4 Disarm	Disarms all associated zones.
5	Two-colour red/green LED	<ul style="list-style-type: none">• Red LED blinking one time and green LED blinking one time = the control requested by pressing the key was received and performed by the control unit.• Red LED blinking seven times and green LED blinking one time = the control requested by pressing the Key 2 was received and performed by the control unit.• Red LED blinking three times = the control requested by pressing the key was NOT received and performed by the control unit. The indications disappear after short while.
6	Battery housing	The remote control is powered by a CR2032 3 V lithium battery.



In order to use the remote control, the 1068/011 radio module must be installed in the control unit or there must be a connection via Bus via the 1068/017 interface.

3.2 1051/025 LED KEYPAD

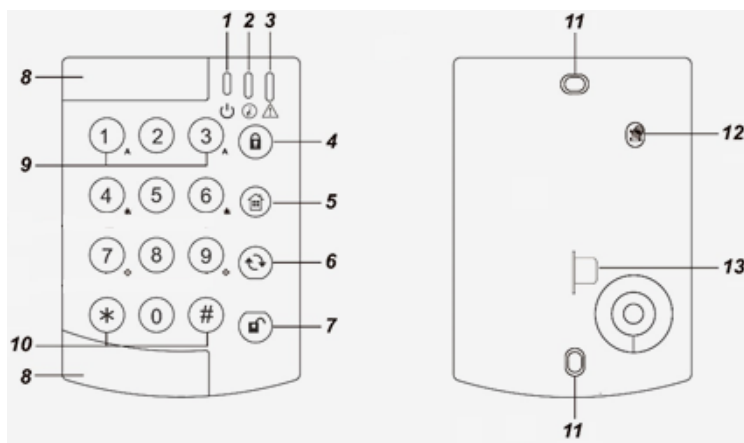






Figure 2 - 1051/025 Led keypad

Ref.	Description	Use or indications provided
1	Keypad state LED (Green/Orange)	<ul style="list-style-type: none"> • Green LED on: the system is in Test mode. • Green LED blinking: in Test mode, this indicates flat battery. • Orange LED on for 5 seconds: the system is in normal operating mode. • The orange LED blinks for 5 seconds: it indicates flat battery in normal operating mode.
2	System state LED (Green/Red)	<ul style="list-style-type: none"> • Red LED on for 3 seconds: the system is in Total arming state. • Red LED blinking for 3 seconds: the system is in Partial arming state. • Green LED on for 3 seconds: the system is in Disarming state. • Green LED blinking for 4 times: error for the following reasons: <ul style="list-style-type: none"> ○ No reply sent to control unit within 4 seconds. ○ User error code. ○ Request to pass to Partial Armed state when the Total Armed state. ○ Request to forced setting.
3	Not used	-----
4	Total arming key	Enter a four-digit user code and press the  key. If there are no faults and arming was successful, the red system state LED will light up and the keypad will beep.
5	Partial arming key	Enter a four-digit user code and press the  key. If there are no faults and arming was successful, the red system state LED will light up and the keypad will beep.
6	System status verification request key	 System status verification request key (see indications provided in Ref. 2).
7	Disarming key	Enter a four-digit user code and press the  key, to disarm all associated zones.
8	Assembly holes cover	-----
9	Function keys (if enabled)	To arm, press keys 1 and 3 simultaneously
10	Keys for acquisition Keypad	To send the keypad acquisition data to the control panel, simultaneously press the * and # keys.
11	Assembly holes	-----
12	Tamper	-----
13	Battery isolator	-----

4 DESIGN: CONFIGURATION OF THE ALARM SYSTEM

4.1 HOW TO DESIGN AN ALARM RADIO – BUS SYSTEM

4.1.1 Positioning the system devices

Unless they are specifically designed and constructed for outdoor installation, like the outdoor sirens or detectors, all the devices must be installed indoors, protected from the elements and vandalism.

4.1.1.1 Positioning of the radio modulo 1068/011

If the radio module is used, the connection inside the 1068 control unit series is via a dedicated connector.



IMPORTANT! The installation of the radio module results in the loss of EN50131 certification.

4.1.1.2 Positioning of the radio interface 1068/017

If the radio interface is used, it must be positioned:

- Inside non-metallic distribution boxes or similar containers, adequately protected by tamper-proof devices
- In a dry place
- In an indoor location protected by the intrusion alarm system



IMPORTANT! The installation of the radio interface results in the loss of EN50131 certification.

5 INSTALLATION

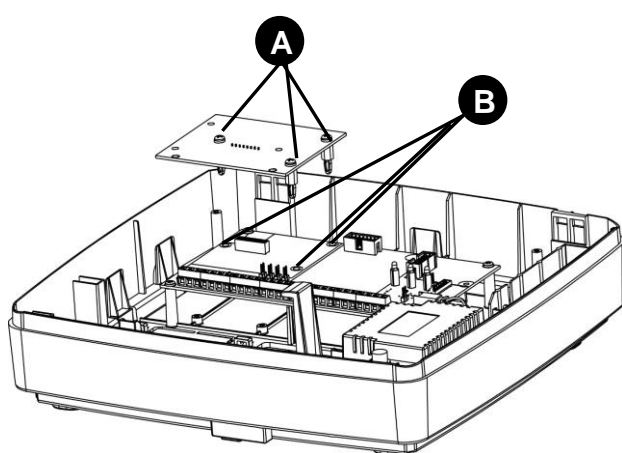
5.1 INSTALLATION PROCEDURE

5.1.1 Assembly of the 1068/011 in the control units 1068 series

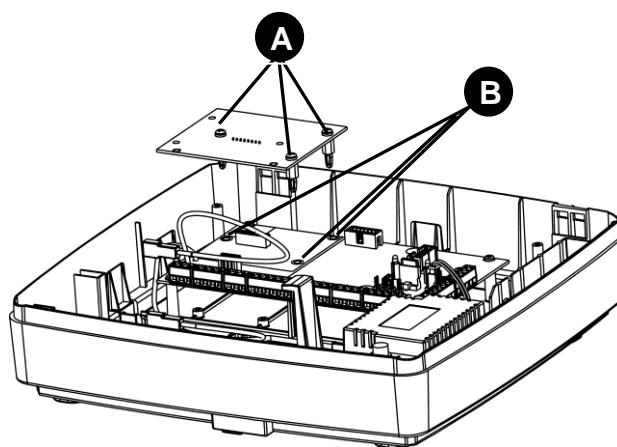
The Radio module has already assembled three guide spacers **A**.

For assembly, proceed as follows:

1. Insert the module into the three holes **B**.



1068/005 Control panel



1068/010 Control panel



IMPORTANT!

The connection and disconnection of the options and accessories must always be done while the control panel is disconnected (both mains and battery).

5.1.2 Installation of the 1068/017 radio interface

The 1068/017 radio interface is supplied with a plastic case.

The interface has terminals for connecting it to the data BUS and the LEDs that signal the functioning of the electronic board. The tamper of the container must be connected to the SAB of the expansion.

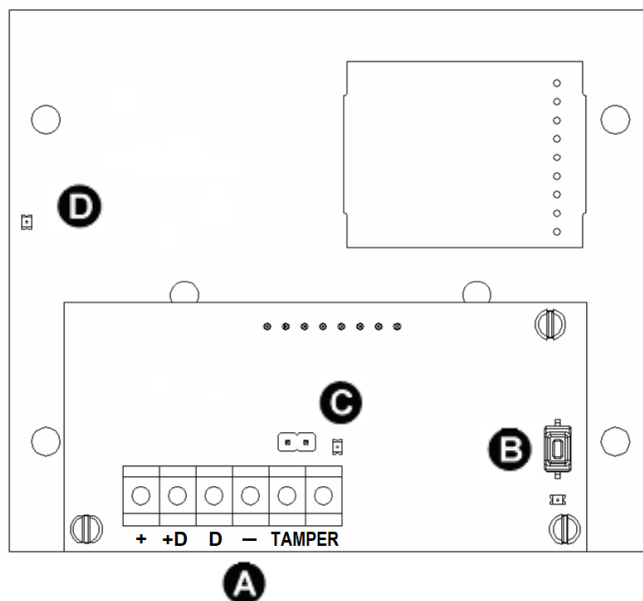


Figure 3 - 1068/017 Radio interface

Ref.	Terminal / Detail	Description
A	+	Interface power supply via Bus
	+D	Data transmission via bus
	D	
	-	Interface power supply via Bus
	Tamper	Connection for the box protection microswitch
B	Button	Buttons and LEDs for the interface acquisition. Slow blinking for 10 sec. = possibility of deleting the device Off after the first 10 sec. = device acquired Slow blinking after the first 10 sec. = device not acquired Fast blinking = device in updating Very fast blinking = device with updating in progress
	Yellow LED	
C	Green LED	Operating signalling. Slow blinking = normal operating conditions Fast blinking = no communication with control panel from at least 1 minute
	Jumper	Jumper for Tamper exclusion (Jumper inserted = Tamper excluded)
D	Green LED	Radio interface working signaling

5.2 RADIO INTERFACE CONNECTIONS 1068/017

Below is an explanation on how to carry out all the electrical connections and necessary signals for starting up the system.



IMPORTANT! Before running the cables, check that the sections are correct and that conform to the maximum distances.

IMPORTANT! The end of the stranded conduction must not be consolidated with a soft-solder welding in the points where the conductor is subject to contact pressure.

Therefore it is not allowed to solder the terminals of the cables connected to the terminals of the devices.

5.2.1 Connecting the data Bus

Connect the terminals **+**, **+D**, **D** and **—** the cable to the 4 wires of the bus; this will enable the communications among the control panel, readers, keypads, any expansions present. The data bus requires no terminal resistors.

The cable shieldings can be connected together in the control panel at the negative pole (**—**) of the power supply.

The figure below demonstrates how to connect the various devices to each other via the bus line.

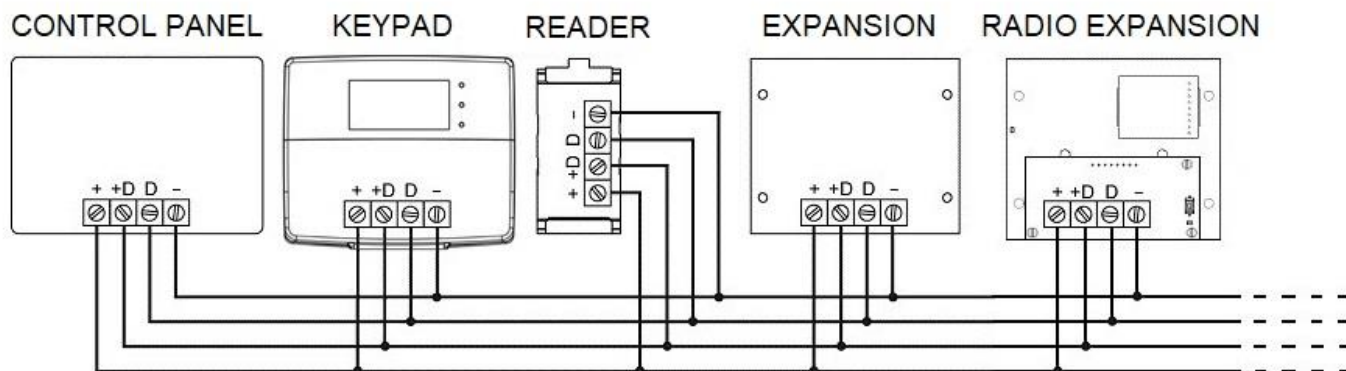
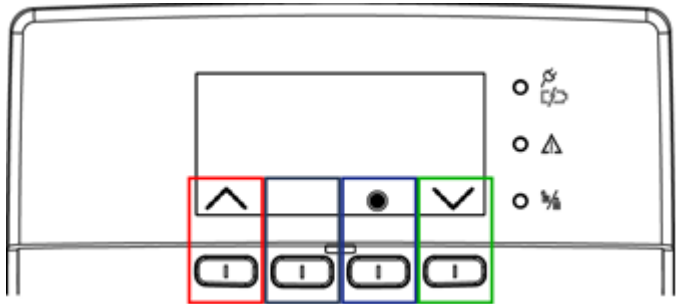



Figure 4 – Connections via bus




6 COMMISSIONING

























6.1 NAVIGATION MENU WITH 1068/021 KEYPAD

Programming is carried out using the keys and reading the messages and information which appear on the display.



WARNING! The keys  are associated with the respective symbols located above and shown on the display.

Key	Description
	It identifies a parameter and activates and deactivates a certain function associated with the relevant symbol positioned above according to the scrolling menu.
	It confirms the entered access code, accesses the displayed submenu or confirms the selection made.
	It goes back to the previous page or menu level.

Symbol shown on the display	Description
	Press the key  associated with the symbol to activate the zones.
	Press the key  associated with the symbol to deactivate the zones.
	Press the key  associated with the symbol for 3 seconds to activate the auxiliary keypad functions previously programmed (for example: "Emergency" signalling).
	Press the key  associated with the symbol to enter the menu.
	Press the key  associated with the symbol to scroll up the menu.
	Press the key  associated with the symbol to scroll down the menu.
	Press the key  associated with the symbol to scroll the menu to the right. The symbol indicates that the menu or parameter includes a submenu with multiple choice.
	Press the key  associated with the symbol to scroll the menu to the left. The symbol indicates that the menu or parameter includes a submenu with multiple choice.
	Press the key  associated with the symbol to enable the parameter.
	Press the key  associated with the symbol the parameter is NOT enabled. The symbol indicates that the parameter includes a single choice.
	Press the key  associated with the symbol to enable the parameter.
	Press the key  associated with the symbol the parameter is NOT enabled. The symbol indicates that the parameter includes a multiple choice.






















The following step-by-step programming and configuration procedures show the keys to be pressed and what appears on the display. Text is limited to the essential minimum. The concerned function, the parameters to be configured, what the parameters are for and the possible values are described before each procedure.

<Installer code > (0000) <Master cod> (1111) <Tech. Manager code> (2222) <User code> (0010 ÷ 0160)	They indicate the code to be entered using the keypad. <i>The factory-set codes are listed in brackets.</i>
<Master / User / Installer / Technical Manager Code>	This means that either code may be entered on the keypad indifferently.


The menus are organised in a tree structure, with reciprocally nested submenus, each consisting of one or more items. The submenu items differ according to the access code used and the system configuration.

6.2 ENABLING/DISABLING THE 1068/011 RADIO MODULE

Proceed as follows to enable a radio module:

- 1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
- 2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
- 3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
- 4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
- 5. Select "**Configuration**" by pressing the key associated with the  or  symbol. Press  to confirm;
- 6. Select "**Enable**" by pressing the key associated with the  or  symbol. Press  to confirm;
- 7. Press the key associated with the Enable symbol  ;
Enable  = parameter enabled ; Enable  = parameter disabled;
- 8. Press  to confirm.
- 9. Press  to return to the upper level menu.

If it has acquired a number of radio devices equal to the maximum, the control panel will not allow the acquisition of others. In this specific case, the keypad in acquisition will continue to show the data of the last device acquired and emit an error signal (a long beep).



Device acquisition is progressive. Therefore if they are to be matched to inputs and outputs in a certain order, the precise sequence must be defined before carrying out the acquisition procedure.

6.3 ENABLING/DISABLING THE 1068/017 RADIO INTERFACE

Compared to the 1068/011 radio module, the 1068/017 radio interface cannot be enabled or disabled. It is automatically enabled when it is acquired on the bus and disabled when deleted.


















7 MAINTENANCE

7.1 MAINTENANCE PROCEDURE

See the dedicated paragraph in the Installation / Programming manual of the control units 1068 series.

7.2 ACQUISITION OF A NEW RADIO DEVICE

To acquire a new radio device, proceed as follows:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Acquisition**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on (1068/011 or 1068/017), vice versa no;
7. Select "**Input devices**" or "**Dispositivi Output devices**" by pressing the key associated with the  or  symbol. Press  to confirm. "ESC TO FINISH" appears on the display;
8. Press the acquisition key on the device to be acquired;
9. The address assigned to the device appears on the keypad display during acquisition;
10. Repeat step 8 on all devices to be acquired;
11. Press  to return to the upper level menu.



IMPORTANT! Addresses are assigned progressively and by family; there is no need to follow a pre-established order. If you want the device addresses to follow a given logic, you must acquire them in that order.












7.3 ACQUISITION OF A NEW 1068/017 INTERFACE ON BUS

7.3.1 Procedure for acquiring bus devices (expansions, readers and radio interfaces)



IMPORTANT! The instructions below assume that the devices have not yet been acquired.

To acquire a new bus device, from keypad (acquired or of service), follow the instructions below:

1. If the device is already connected to the BUS, go directly to step 4, otherwise turn off the system completely;
2. Connect the new device to the bus and power the system;
3. The yellow LED of the new device blink slowly for about 10 second before changing the speed of blinking;
4. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
5. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
7. Select "**Acquisition**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. "ESC TO FINISH..." will appear on the display; press the programming button of the device to acquire it; its yellow LED will turn off;
9. The address assigned to the device appears on the keypad display during acquisition;
10. Repeat step 8 on all devices to be acquired;
11. Press  to return to the upper level menu.

For a device to be acquired it is necessary that the maximum number of devices in the family concerned has not already been reached.

To reset the address of a device you need to:

- Delete it from the appropriate keypad menu
- or

- Use the "reset" procedure (see paragraph "Wired device hardware reset" in the Installation / Programming manual of the 1068 / xxx control panels)



It is now possible to configure the system.
























IMPORTANT! Addresses are assigned progressively and by family; there is no need to follow a pre-established order. If you want the device addresses to follow a given logic, you must acquire them in that order.

7.4 REPLACING A RADIO DEVICE

It allows you to replace a device by assigning to the new one the same address and configuration of the previous one.

To replace a device, follow the instructions below:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Substitution**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the device you want to replace by pressing the key associated with the  or  symbol. Press  to confirm;
7. From the list that appears, select the device you want to replace by pressing the key associated with the  or  symbol. Press  to confirm;
8. The message "**Are you sure?**" appears on the display. Press  to confirm;
9. Press the acquisition button on the new device to acquire it with the address and configuration of the previous one;
10. Press  to return to the upper level menu.


















IMPORTANT! In order for a radio device or reader to be replaced with another one, the two must be of the same type, otherwise an error will be reported.

7.5 REPLACING A BUS DEVICE

7.5.1 Replacement procedure for bus devices (expansions, readers and radio interfaces)

It allows you to replace a device by assigning to the new one the same address and configuration of the previous one.

To replace a device, follow the instructions below:






















1. Switch off the system completely;
2. Disconnect the device to be replaced;
3. Connect the new device to the bus;
4. Then power up the system again. The yellow LED of the new device blink slowly for about 10 second before changing the speed of blinking;
5. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
6. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
7. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Substitution**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Select the device you want to replace by pressing the key associated with the  or  symbol. Press  to confirm;
10. The message "**Are you sure?**" appears on the display. Press  to confirm;
11. Press the programming button of the new device to acquire it with the address and configuration of the previous one; its yellow LED turns off.
12. Press  to return to the upper level menu



IMPORTANT! In order for a radio device or reader to be replaced with another one, the two must be of the same type, otherwise an error will be reported.











7.6 DELETING A RADIO DEVICE

To delete any existing device from the bus (keypads, readers or expansions) proceed as follows:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Deleting**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the type of device to be deleted by pressing the key associated with the  or  symbol. Press  to confirm;
7. From the list that appears, Select the type of device to be deleted by pressing the key associated with the  or  symbol. Press  to confirm;
8. The message "**Are you sure?**" appears on the display. Press  to confirm;
9. Press  to return to the upper level menu.

7.7 DELETING A 1068/017 RADIO INTERFACE OR 1068/011 RADIO MODULE

To delete any existing device from the bus (keypads, readers or expansions) proceed as follows:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Deleting**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select the "**Radio expansions**" type and select its number from within the list proposed. The device is no longer considered connected to the control panel and its memory will be restored to default values;
6. Switch off the system completely;
7. Physically disconnect the interface from the bus and/or the module from the control panel;
8. Then power up the system again.

If the control panel is powered again without disconnecting the 1068/011 module from the control panel, the module is automatically acquired upon restart.















IMPORTANT! When deleting a radio interface, all the radio devices associated with it are automatically deleted. At the same time, the "Radio Devices" menu will no longer be displayed on the system keypads.



7.8 RADIO CONNECTION TEST

The 1068/011 radio module or the 1068/017 radio interface allow it possible to evaluate the quality of the radio connection between the peripheral devices subject to supervision through an integrated test that provides an indication correlated to the power of the signal measured by each single device.

To control that the various system devices are able to communicate with the control panel, follow the instructions below:

1. Position each system device in the definitive final position or nearby, without securing it. All the devices must be powered and already acquired.
2. Position the control panel in the definitive final position.
3. Enter the **MASTER / INSTALLER** menu by entering the access code. Press  to confirm;
4. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Test**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
7. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no. "ESC TO FINISH" appears on the keypad display.
8. Open the magnetic contacts (DC), pass in front of the detectors (IR), press the key  on the radio remote control 1051/035, press the key  on the keypad 1051/025;
9. For each device communicating with the interface, the keypad will indicate a value from 0 to 9 depending on the how good the signal is;
10. The table below illustrates what the test results might be:




















7 ÷ 9	Excellent connection
4 ÷ 6	Good connection
2 ÷ 3	Sufficient connection
0 ÷ 1	Insufficient connection

11. After completing the tests, press  to finish;
12. If the test result of any device is "INSUFFICIENT", it is necessary to move these devices to a more favourable position in relation to the control panel, then repeat the test procedure from point 4.
13. In case of doubt on the functioning of a device, position it temporarily near the control panel (about one metre) and repeat the test. If the result for the device in question is "EXCELLENT", it is functioning correctly, otherwise it could be broken or lacking power.
14. Press  repeatedly to go back to the main menu.


7.9 CONFIGURING RADIO PARAMETERS


The paragraphs below describe the steps to change the default configuration of the module parameters or the radio interface.

7.9.1 Devices supervision

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Configuration**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no.
7. Select "**Devices Supervision**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select the supervision time by pressing the key associated with the symbol ;
9. Press the key associated with the symbol on the display . Press  to confirm;




















- Disabled ☐
- 4h ☒
- 6h ☐
- 8h ☐
- 10h ☐
- 12h ☐

Supervision  = enabled ; Supervision ☐ = NOT enabled

10. Press  to return to the upper level menu;






















Supervision	Functional notes
Disabled	The module or radio interface does not check the presence or absence of the radio devices belonging to it.
4 hours	The module or radio interface controls the presence of radio devices belonging to it, considering the absence of communication as the pre-selected time interval.
6 hours	
8 hours	
10 hours	
12 hours	

7.9.2 Jamming






















1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Configuration**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presenza di un modulo Field-Bus verrà chiesto su quale tipo di espansione si desidera lavorare, viceversa no
7. Select "**Jamming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Press the key associated with the Enable symbol .
Enable ☒ = parameter enabled ; Enable ☐ = parameter disabled.
9. Press  to confirm;
10. Press  to return to the upper level menu.

Jamming	Functional notes
Disabled	The radio module does not control the occupation of the radio band by devices foreign to the system.
Enabled	The radio module does control the occupation of the radio band by devices foreign to the system.

7.9.3 Enable (Available only with 1068/011 radio module)

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Configuration**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no.
7. Select "**Enable**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Press the key associated with the Enable symbol .
Enable  = parameter enabled ; Enable  = parameter disabled .
9. Press  to confirm;
10. Press  to return to the upper level menu.
















7.9.4 Module supervision (Available only with 1068/011 radio module)

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Configuration**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no.
7. Select "**Module Supervision**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Press the key associated with the Enable symbol .
Enable  = parameter enabled ; Enable  = parameter disabled.
9. Press  to confirm;
10. Press  to return to the upper level menu.

7.10 RESET FACTORY SETTINGS

7.10.1 Total reset

To reset the software of a radio module, follow the instructions below:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Maintenance**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Reset factory settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no.
7. Press  to confirm;
8. Press  repeatedly to go back to the upper level menu.

8 SYSTEM COMMISSIONING

8.1 RADIO INPUT PROGRAMMIG

The radio inputs are available only if the 1068/011 radio module or radio interface 1068/017 are installed.

8.1.1 Radio input encoding

Each input has two addresses: a physical address and a logical address. The two addresses are displayed as follows:

physical address → logical address

and in detail

ddXX InY: → **InZZ**

where:


- **dd** is the type of radio device assigned to an 1068/011 or to an 1068/017 (IR, DC)
- **XX** is the sequential number of the acquired radio devices by type
- **Y** is the number of the X radio device input (physical address)
- **ZZ** is the logical address, on two digits, of the input that the control panel assigns sequentially as the radio devices are assigned.

The physical address is useful during system installation and maintenance. It may appear on the display in other form (**EW**= radio interface or module, **IR**= infrared sensor, **DC**= micro contract).

The logical address can be changed at any time by the installer.

The system identify the inputs on the display by showing physical address, logical address and name. Vocal and number alarms on the other hand are identified by means of the logical address and the customised message (if any) only.


During radio device acquisition, the control panel automatically assigns a sequential logical address to all inputs while the auxiliary inputs of the micro contacts are not considered because they are set to NOT USED by default. They must be enabled and numbered manually (up to 28).

	<p>IMPORTANT! Remember that the maximum number of inputs can managed by the 1068/005 control panel is 21, while for the 1068/010 control panel it is 66. All control panel and expansion unit inputs are configured by default, while the auxiliary inputs of keypads and input 2 of the readers are NOT USED by default. So, if several 1067/008A expansion modules, are installed and you want to use some auxiliary inputs, you will need to deactivate an equal number of inputs to prevent exceeding the maximum number of inputs.</p>
--	--

8.1.2 Radio input types

The 1068/011 radio module or the radio interface 1068/017 define the input type in two ways:

- **Not Used:** signal variations (including opening and tamper) of the input are ignored. The logical input of the device is cancelled by programming an input as "Not Used" (**InNNNN**). A contact with this setting does not exist for all intents and purposes.
- **Used:** default setting, the input is encoded as described above. Signal variations activate the assigned event.

	<p>IMPORTANT! The micro contact auxiliary contact is automatically defined as NOT USED. Consequently, it must be encoded manually on central and individual level by configuring the DIP SWITCHES on the device to use it.</p>
--	---

8.1.3 Radio input customisation

The possible customisations are: Immediate, Delayed, Path, First Entry/Last Exit and Prealarm.

8.1.4 Isolable

An input set as "isolable" will be subject to manual isolation or can be inhibited.

8.1.5 Complementary functions (Gong, Courtesy Light, Door Opener)

Complementary functions may be associated with the intrusion inputs.

These functions are not EN50131 compliant because they are not described in the standard.

Only one of the following complementary function options may be selected for each input: None, Gong, Courtesy Light ON (with active system), Courtesy Light OFF (with system deactivated) and Door Opener.

8.1.6 Zone assignment type (AND / OR)

The operation of the intrusion inputs may be customised further by setting the attributes (see dedicated paragraph in the control unit manual).

8.1.7 AND inputs

It logically connects two intrusion / instantaneous / pre-alarm / path inputs with the same customisation, the same associated zones and the same zone association.

8.1.8 Programming procedure

Proceed as follows to program the inputs:

1. Enter the **INSTALLER** menu by entering the access code. Press ☐ to confirm;
2. Select "**System Settings**" by pressing the key associated with the ☐ or ☐ symbol. Press ☐ to confirm;
3. Select "**Programming**" by pressing the key associated with the ☐ or ☐ symbol. Press ☐ to confirm;
4. Select "**Radio devices**" by pressing the key associated with the ☐ or ☐ symbol. Press ☐ to confirm;
5. Select "**Radio inputs**" by pressing the key associated with the ☐ or ☐ symbol.
6. Press ☐ to view the available inputs;
 - EW01 DC01: IN01: INxx >
 - EW01 DC02: IN02: INyy >
 - EW02 DC02: IN01: INjj >
7. Press the key associated with the ☐ or ☐ symbol and select the input to be configured.
8. Press ☐ to view the configuration parameters:
 - Input type
 - Zone assignment
 - Customisation
 - Isolable
 - Complementary functions
 - Assignment type
 - AND Inputs
 - Name
9. Press the key associated with the ☐ or ☐ symbol and select the parameter to be configured.
10. Press ☐ to confirm;
The "**Input Type**" parameter allows you to associate a type to the selected input.
Used = ☐ ; Not used = ☒
11. Select the input type by pressing the key associated with the ☐ or ☐ symbol. Press the key associated with the symbol ☒, on the display the indication in the right column will change from ☐ to ☒ to indicate the change of configuration. Press ☐ to confirm.
12. Press ☐ to return to the upper level menu;
13. The "**Zone assignment**" parameter allows you to associate the input with a zone.
ZN01: Zone 1 ☐ ; ZN02: Zone 2 ☒
14. Select the zone by pressing the key associated with the ☐ or ☐ symbol.
15. Press the key associated to the symbol ☐, in the box of the right column a confirmation sign ☒ will appear to indicate the zone assignment;
16. Press ☐ to return to the upper level menu;
The "**Customisation**" parameter allows you to assign a customisation to the input.
 - First Entry/Last Exit ☐ >
MIN:000 SEC:00
 - Intrusion path ☐
 - Prealarm intrusion ☒
 - Instantaneous Intrusion ☐
 - Delayed Intrusion ☐ >
MIN:000 SEC:00

17. Select the function to be associated by pressing the key associated with the \vee or \wedge symbol.
18. Press the key associated with the symbol \bullet .
19. On the display, the indication in the right column will change status from \bigcirc to \bullet to indicate the change of configuration.
20. The parameters with the symbol $>$ allow you to set the minutes and seconds of the customisation.
21. Press \checkmark to confirm, press \leftarrow to return to the upper level menu.
22. The "**Isolable**" parameter allows the selected input to be isolated.
 - Isolable = \checkmark
23. Press the key associated to the symbol \square , in the box of the right column a confirmation sign \checkmark will appear to indicate the activation of the parameter. Press \checkmark to confirm, press \leftarrow to return to the upper level menu.
24. The "**Complementary functions**" parameter allows you to associate complementary functions to the input.
 - Gong \checkmark
 - Courtesy light ON \square
 - Courtesy light OFF \square
 - Door opener \checkmark
25. Select the function by pressing the key associated with the \vee or \wedge symbol.
26. Press the key associated with the symbol \square the confirmation sign will appear in the box in the right column.
27. Press \leftarrow to return to the upper level menu.



It is possible to associate several complementary functions to an input.

The "**Assignment type**" parameter allows you to choose the type of assignment of the input.

- And = \bullet ; Or = \bigcirc
28. Select the parameter by pressing the key associated with the \vee or \wedge symbol.
 29. Press the key associated with the symbol \bullet , on the display the indication in the right column will change status from \bigcirc to \bullet . Press \checkmark to confirm, press \leftarrow to return to the upper level menu.
Display AND $>$; Disable AND $>$
The "**AND Inputs**" parameter allows you to display, disable and select the AND inputs.
After the selection you will be asked to confirm the selection "**Are you sure?**" $>$
 30. Press \checkmark to confirm;
 31. The "**NAME**" parameter allows you to rename the selected input. The name can be up to 24 characters long;
 32. Press \checkmark to confirm;
 33. Press \leftarrow repeatedly to go back to the upper level menu.



IMPORTANT! Program all inputs used in the system.

8.2 RADIO OUTPUT PROGRAMMING

The radio outputs are available only if the radio module or the radio interface is installed.

Both the 1068/011 radio module and the 1068/017 radio interface can manage up to four radio sirens. There are no other radio output types.

8.2.1 Radio output encoding

Each output has two addresses: a physical address and a logical address. The two addresses are displayed as follows:

physical address → logical address

and in detail

ddXX UY: → **UZZ**

where:

- **dd** is the type of radio device assigned to an 1068/011 module or an 1068/017 interface,
- **XX** is the sequential number of the radio devices acquired as outputs,
- **Y** is the number of the XX radio device output (physical address),
- **ZZ** is the two-digit logical address of the output that the control panel assigns sequentially as the radio devices are assigned.

The physical address is useful for installers during system installation and maintenance. It may appear on the display in other form (**EW**= radio module or interface , **HP** = siren).

During radio device acquisition, the control panel automatically assigns a sequential logical address in sequence to the outputs of the control panel itself and to any other outputs of the 1067/008A expansions.

8.2.2 Radio output customisation

The output customisation defines which events caused activation of the siren.

Possible radio output customisations are: Burglar, Pre-alarm, Tamper, Burglar/Tamper, Burglar/Pre-alarm, Burglar/Tamper/Pre-alarm.


























8.2.3 Status report
















The radio sirens may optionally display the system status as an optical-auditory indication or an optical indication only. The status report indication must be enabled during programming.

	Siren audio	Light alarm indication
Armed/Total or Partial	1 beep	3 LED groups blink once
Disarmed	2 beeps	Blinking in sequence for 1 cycle

8.2.4 Programming procedure

Proceed as follows to program the outputs:


























1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Sirens**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no.
7. Select "**Output type**" by pressing the key associated with the  or  symbol. Press  to confirm;
Not used ☐ ; Used ☒
8. Press  to return to the upper level menu;
9. select "**Zone assignment**" by pressing the key associated with the  or  symbol. Press  to confirm;
ZN01: Zone 1 ☐ ; ZN02: Zone 2 ☒
10. Press  to return to the upper level menu;
11. Select "**Customisation**" by pressing the key associated with the  or  symbol. Press  to confirm;
 - Intrusion ☒
 - Tamper ☐
 - Prealarm ☐
 - Intrusion/Tamper ☐
 - Intrusion/Prealarm ☐
 - Intrusion/Tamper/Prealarm ☐
12. Press  to return to the upper level menu;

13. Select "**Status report**" by pressing the key associated with the  or  symbol. Press  to confirm;
 - Visual ☒
 - Audible/visual ☐
 - Disabled ☐
14. Press  to return to the upper level menu;
15. Select "**Other parameters**" by pressing the key associated with the  or  symbol. Press  to confirm;
16. In presence of a Fieldbus module, you will be asked which type of expansion you want to work on, vice versa no.
17. Select the radio siren you want to rename, for i.e.: "**EW01:HP01:xxxxxx**" by pressing the key associated with the  or  symbol. Press  to confirm;
18. Select "**Name**" by pressing the key associated with the  or  symbol. Press  to confirm;
19. Enter the desired text (max name length is 24 characters) and press  to confirm;
20. Press  repeatedly to go back to the upper level menu.

8.3 1051/035 REMOTE CONTROL PROGRAMMING


























8.3.1 Programming setting key

Proceed as follows to program the **SETTING KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Remote controls**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the remote control to be programmed and confirm with .
7. Select "**Keys programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Setting key**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Press the key associated to the ASSIGNMENT message  on the display to associate the desired zone.
 ASSIGNMENT:  - Zone assignment; ASSIGNMENT:  - Zone not assignmentt
10. Press  to confirm;
11. Press  repeatedly to go back to the upper level menu.


























8.3.2 Programming unsetting key

Proceed as follows to program the **UNSETTING KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Remote controls**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the remote control to be programmed and confirm with .
7. Select "**Keys programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Setting key**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Press the key associated to the ASSIGNMENT message  on the display to associate the desired zone.
 ASSIGNMENT:  - Zone assignment ; ASSIGNMENT:  - Zone not assignment
10. Press  to confirm;
11. Press  repeatedly to go back to the upper level menu.


































8.3.3 Programming partialization key

Proceed as follows to program the **PARTIALIZATION KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Remote controls**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the remote control to be programmed and confirm with .
7. Select "**Keys programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Partialization key**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Press the key associated to the ASSIGNMENT message  on the display to associate the desired zone.
ASSIGNMENT:  - Zone assignment; ASSIGNMENT:  - Zone not assignment
10. Press  to confirm;
11. Press  repeatedly to go back to the upper level menu.




















8.3.4 Programming function key

Proceed as follows to program the **FUNCTION KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Remote controls**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the remote control to be programmed and confirm with .
7. Select "**Function key**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Activate**" and confirm with .
9. Press the key associated to the ACTIVATE message  on the display corresponding to the output to be controlled and confirmed with .
- DEACTIVATE  - Output NOT selected; DEACTIVATE  - Uscita selezionata
10. Press  to return to the upper level menu.
11. Select "**Deactivate**" and confirm with .
12. Press the key associated to the DEACTIVATE message  on the display corresponding to the output to be controlled and confirmed with .
- DEACTIVATE  - Output NOT selected ; DEACTIVATE  - Output selected
13. Select "**Emergency**" or "**Anti thief**" by pressing the key associated with the  or  symbol, Press the key associated to the FUNCTION KEY message  and confirmed with  if you want to use the FUNCTION KEY for these eve.
14. Press  repeatedly to go back to the upper level menu.


























8.3.5 Change Name

Proceed as follows to change the **NAME**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Remote controls**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the remote control to be programmed and confirm with .
7. Select "**Name**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Enter the desired text and and press  to confirm;
9. Press  repeatedly to go back to the upper level menu.


























8.4.1 Programming setting key

Proceed as follows to program the **SETTING KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Keypads**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the keypad to be programmed and confirm with .
7. Select "**Keys programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Setting key**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Press the key associated to the ASSIGNMENT message  on the display to associate the desired zone.
ASSIGNMENT:  - Zone assignment ; ASSIGNMENT:  - Zone not assignment
10. Press  to confirm;
11. Press  repeatedly to go back to the upper level menu.


























8.4.2 Programming unsetting key

Proceed as follows to program the **UNSETTING KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Keypads**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the keypad to be programmed and confirm with .
7. Select "**Keys programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Unsetting key**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Press the key associated to the ASSIGNMENT message  on the display to associate the desired zone.
ASSIGNMENT:  - Zone assignment ; ASSIGNMENT:  - Zone not assignment
10. Press  to confirm;
11. Press  repeatedly to go back to the upper level menu.


































8.4.3 Programming partialization key

Proceed as follows to program the **PARTIALIZATION KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Keypads**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the keypad to be programmed and confirm with .
7. Select "**Keys programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Partialization key**" by pressing the key associated with the  or  symbol. Press  to confirm;
9. Press the key associated to the ASSIGNMENT message  on the display to associate the desired zone.
ASSIGNMENT:  - Zone assignment ; ASSIGNMENT:  - Zone not assignment
10. Press  to confirm;
11. Press  repeatedly to go back to the upper level menu.




















8.4.4 Programming function key

Proceed as follows to program the **FUNCTION KEY**:

1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol. Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Keypads**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the keypad to be programmed and confirm with .
7. Select "**Function key**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Select "**Activate**" and confirm with .
9. Press the key associated to the ACTIVATE message  on the display corresponding to the output to be controlled and confirmed with .
ACTIVATE  - Output NOT selected; ACTIVATE  - Output selected
10. Press  to return to the upper level menu.
11. Select "**Deactivate**" and confirm with .
12. Press the key associated to the DEACTIVATE message  on the display corresponding to the output to be controlled and confirmed with .
- DEACTIVATE  - Output NOT selected ; DEACTIVATE  - Output selected
13. Select "**Emergency**" or "**Anti thief**" by pressing the key associated with the  or  symbol, Press the key associated to the FUNCTION KEY message  and confirmed with  if you want to use the FUNCTION KEY for these events.
14. Press  repeatedly to go back to the upper level menu.

8.4.5 Change Name

Proceed as follows to change the **NAME**:


1. Enter the **INSTALLER** menu by entering the access code. Press  to confirm;
2. Select "**System Settings**" by pressing the key associated with the  or  symbol Press  to confirm;
3. Select "**Programming**" by pressing the key associated with the  or  symbol. Press  to confirm;
4. Select "**Radio devices**" by pressing the key associated with the  or  symbol. Press  to confirm;
5. Select "**Keypads**" by pressing the key associated with the  or  symbol. Press  to confirm;
6. Select the keypad to be programmed and confirm with .
7. Select "**Name**" by pressing the key associated with the  or  symbol. Press  to confirm;
8. Enter the desired text and e press  to confirm;
9. Press  repeatedly to go back to the upper level menu.

9 SYSTEM COMMISSIONING

9.1 SETTING USING 1051/035 REMOTE CONTROL



9.1.1 Total setting

The remote control must have been duly programmed for all zones to set all the zones in the system.

Press the  on the remote control to set all zones. If the control unit has accepted the command, the LED will light up red and then green.

9.1.2 Partial setting


The partial setting of only some zones in the system is possible only if the remote control is duly programmed to do so.

Press the   on the remote control to set all zones. If the control unit has accepted the command, the LED will light up red and then green.

9.2 UNSETTING USING 1051/035 REMOTE CONTROL



9.2.1 Unsetting

The remote control must have been duly programmed to unsetting all the zones in the system.

Press  to unset the system totally or partially using the remote control. If the control unit has accepted the command, the LED will light up red and then green.

9.3 DIRECT ACCESS FUNCTION KEYS



9.3.1 1051/035 remote control programming key

During programming, the  key on the remote control may be configured to activate or deactivate a specific output to access one of the following technological functions (emergency or anti thief). Hold the  key pressed for at least five seconds to generate the respective event.

9.4 SETTING USING 1051/025 KEYPAD

9.4.1 Total setting

The total setting of all the zones of the system is possible only if the keypad has been duly programmed for all the zones.


To set all zones, enter the four-digit user code on the keypad and then press the  key on the keypad, or press the  key directly (direct access function). If the control unit has received the command, the two-colour system LED on the keypad will light up red fixed for approximately 4 seconds to indicate the state of the zones.



IMPORTANT! The setting and unsetting operations from 1051/025 keypad require the use of four-digit user codes only. Five or six digit codes cannot be used.

9.4.2 Partial setting

The partial setting of some zones of the system is possible only if the keypad has been duly programmed for all the zones.

Press the  key on the keypad to set the zones with which the keypad was associated. If the control unit has received the command, the two-colour system LED on the keypad will light up red fixed for approximately 4 seconds to indicate the state of the zones.




IMPORTANT! The setting and unsetting operations from 1051/025 keypad require the use of four-digit user codes only. Five or six digit codes cannot be used.

9.5 UNSETTING USING 1051/025 KEYPAD

9.5.1 Unsetting

The keypad must have been duly programmed and a four-digit user code is needed to unsetting the zones in the system totally or partially.

To unset the system totally or partially using the keypad, enter the four-digit user code and then press the  key. If the control unit has received the command, the keypad will indicate the state of the zones by switching off the two-colour system LED.



IMPORTANT! The setting and unsetting operations from 1051/025 keypad require the use of four-digit user codes only. Five or six digit codes cannot be used.


9.6 DIRECT ACCESS FUNCTION KEYS

9.6.1 1051/025 keypad programming key

During programming, a direct access function can be associated with the simultaneous pressing of keys 1 and 3, e.g. to activate or deactivate a specific output or a technological function (emergency or anti thief). Hold keys 1 and 3 pressed for at least five seconds to generate the respective event.

9.7 SYSTEM STATUS INFORMATION

9.7.1 Viewing the system status on 1051/025 keypad

The system status can be viewed on the 1051/025 keypad by pressing  key directly.

The “System state” LED will light up as follows when the keypad key is pressed:

- Red LED ON fixed for 3 seconds: the system is in Total Active state.
- Red LED blinking for 3 seconds: the system is in Partial Active state.
- Green LED ON fixed for 3 seconds: the system is deactivated.

9.8 FACTORY SETTINGS



IMPORTANT! What is described in the paragraphs below is valid only if the radio devices have been acquired.

9.8.1 1068/011 Radio module inputs

Attrib.	Isolable	YES
	Common input	OR
Zone assignment		1
Customisation		Immediate
Name		...
Logical address		IN01... IN28
Physical address		DC01... DC28
		or IR01... IR28



IMPORTANT! Remember that the maximum number of inputs can managed by the 1068/005 control panel is 21, while for the 1068/010 control panel it is 66.

9.8.2 1068/017 Radio interface inputs

Attrib.	Isolable	YES
	Common input	OR
	Release type	SINGLE
Zone assignment		1
Customisation		Immediate
Name		...
Logical address		IN01... IN28
Physical address		DC01... DC28 or IR01... IR28



IMPORTANT! Remember that the maximum number of inputs can managed by the 1068/005 control panel is 21, while for the 1068/010 control panel it is 66.

9.8.3 Radio expansions outputs (sirens)

Status report	Customisation	Zones assignment	Output Type	Physical address	Logical address	Name
Disabled	Intrusion	SYSTEM	Used	HP:xx	Seq.	...

10 TECHNICAL SPECIFICATIONS

10.1 1068/011 RADIO MODULE

Nominal power voltage.....	12 V $\overline{=}$
Operating voltage.....	9 V $\overline{=}$ \div 15 V $\overline{=}$
Max peak current.....	40 mA
Nominal current absorbed.....	20 mA
Type of communication.....	Urmet serial protocol
Communication technology.....	Two-way radio frequency
Radio communication mode.....	FSK
Frequency.....	868 MHz
Number of radio channels.....	1
Relative operating humidity.....	75%
Operating temperature.....	-20°C \div +50°C

10.2 1068/017 RADIO INTERFACE ON BUS

Nominal power voltage.....	13.8 V $\overline{=}$ (taken with the bus)
Operating voltage.....	9 V $\overline{=}$ \div 15 V $\overline{=}$
Nominal current consumption at 12 V $\overline{=}$	35 mA
Maximum current consumption peak.....	45 mA
Control panel-radio expansion serial line bus max. lenght.....	400 m
Type of communication.....	Urmet serial protocol
Radio communication mode.....	FSK
Frequency.....	868 MHz
Number of radio channels.....	1
Declared operation temperature.....	-5°C \div +40°C
Operation relative humidity.....	95% at +40°C
Case anti-opening protection.....	Anti-tamper device

10.3 1051/025 LED KEYPAD

Communication technology.....	Two-way radio frequency
Frequency.....	868 MHz
Power supply.....	1 Lithium battery type CR2450 3 V
Battery life.....	5 years (Typical value, may vary depending on use)
Operating temperature.....	-10°C \div +45°C
Dimensions.....	71 x 112 x 18 mm
Weight.....	100g
Certification.....	EN50131 – Grade 2 – Class II

10.4 1051/035 REMOTE CONTROL

Communication technology.....	Two-way radio frequency
Frequency.....	868 MHz
Power supply.....	1 Lithium battery type CR2032 3V
Battery life.....	3 years (Typical value, may vary depending on use)
Operating temperature.....	-10°C \div +45°C
Dimensions.....	38 x 65 x 15 mm
Weight.....	30g
Certification.....	EN50131 – Grade 2 – Class II

10.5 1051/101 – 1051/102 IR DETECTOR STANDARD VERSION AND WITH PET IMMUNITY FUNCTION

Communication technology	Two-way radio frequency
Frequency	868 MHz
Power supply	1 Battery 3V type CR123A
Battery life	5 years (Typical value, may vary depending on use)
Infrared range	max 12 m with angle of 110 (IR standard 1051/101)
Infrared range	max 7 m with angle of 110 (IR Pet Immunity 1051/102)
Operating temperature	-10°C ÷ +45°C
Dimensions	53.2 x 67 x 89.2 mm
Weight	300g
Certification	EN50131 – Grade 2 – Class II

10.6 1051/103 INTERNAL IR DETECTOR DUAL TECHNOLOGY

Communication technology	Two-way radio frequency
Frequency	868 MHz
Microwave frequency	10.525 MHz
Power supply	1 Battery 3V type CR123A
Battery life	4 years (Typical value, may vary depending on use)
Infrared range	max 12 m with angle of 110°
Operating temperature	-10°C ÷ +45°C
Dimensions	63.3 x 112.5 x 62 mm
Weight	100g

10.7 1051/105 EXTERNAL IR DETECTOR WITH PET IMMUNITY FUNCTION

Communication technology	Two-way radio frequency
Frequency	868 MHz
Power supply	2 3.6V AA Lithium Batteries
Battery life	3 years (Typical value, may vary depending on use)
Operating temperature	-10°C ÷ +45°C
Degree of protection	IP66
Dimensions	68 x 148 x 50 mm
Weight	400g

10.8 1051/107 EXTERNAL IR DETECTOR DUAL TECHNOLOGY WITH PET IMMUNITY FUNCTION

Communication technology	Two-way radio frequency
Frequency	868 MHz
Microwave frequency	24 GHz
Power supply	1 Battery 3V type CR2
Battery life	2 years (Typical value, may vary depending on use)
Power consumption in stand-by (operational)	15µA (only detector) + TX module
Current absorption in alarm with LED ON	3.5mA + TX module
Microwave range	min. 2m/max 8m with trimmer adjustment
Emission power (EIRP)	13dBm
Operating temperature	-10°C ÷ +45°C
Degree of protection	IP51
Environmental humidity	95%
Dimensions	110 x 42 x 62 mm
Weight	300g

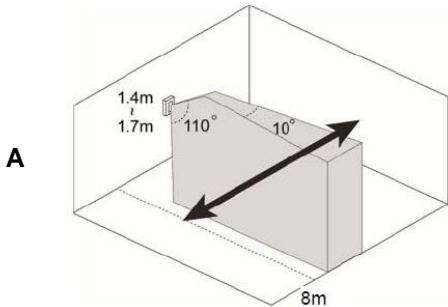
10.9 1051/108 IR DETECTOR CURTAIN EFFECT

Communication technology	Two-way radio frequency
Frequency	868 MHz
Power supply	1 Battery 3V type CR123A
Battery life	3 years (Typical value, may vary depending on use))
Infrared range	8m (max) with angle of 110°

Detecting elements

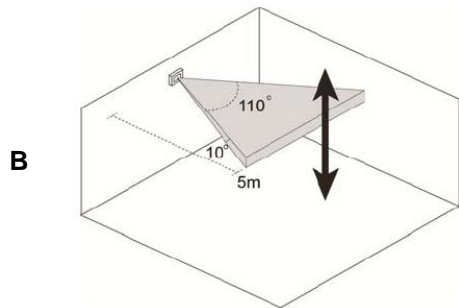
A: vertical assembly on wall

Curtain coverage range of 8 m, installed between 1.4 and 1.7 m from the floor.



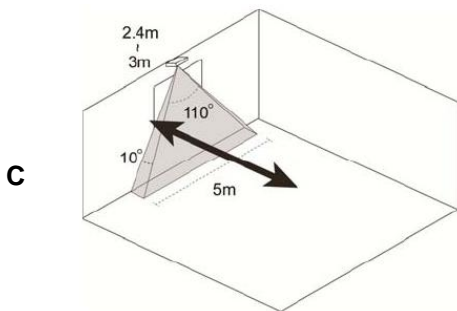
B: horizontal assembly on wall

Curtain coverage range of 5 m, for vertical movements only.



C: assembly on ceiling

If mounted at a height from 2.4 to 3 m from the ground and oriented downwards, the detector has a coverage of approximately 5 m from floor level.



Use	For indoor
Operating temperature	-10°C ÷ +45°C
Dimensions	76 x 56 x 43 mm
Weight	300g

10.10 1051/201 – 1051-202 MAGNETIC CONTACT

Communication technology	Two-way radio frequency
Frequency	868 MHz
Power supply	1 CR2 Lithium 3V battery
Battery life	10 years (Typical value, may vary depending on use)
Operating temperature	-10°C ÷ +45°C
Dimensions	85 x 25 x 20 mm
Weight	100g
Certification	EN50131 – Grade 2 – Class II

10.11 1051/203 MULTIFUNCTION MAGNETIC CONTACT

Communication technology	Two-way radio frequency
Frequency	868 MHz
Power supply	1 CR2 Lithium 3V battery
Battery life	5 years (Typical value, may vary depending on use)
Operating temperature	-10°C ÷ +45°C
Dimensions	107 x 32 x 22 mm
Weight	100g

10.12 1051/405 EXTERNAL SIREN WITH FLASHING

Communication technology	Two-way radio frequency
Frequency	868 MHz
Output sound level	104dB @ 1 meter
Power supply	4 alkaline batteries 1.5V type D
Battery life	5 years (Typical value, may vary depending on use)
Programming elements	One 7-way Dip switch
Operating temperature	-10°C ÷ +45°C
Degree of protection	IPX5
Dimensions	287 x 202 x 67 mm
Weight	1.32 Kg (With battery included)

DS1068-025B

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