tyco | Bentel Security

ABSOLUTA Plus 4.00
Expandable Hybrid Control Panel
User Manual

Default User PIN: 0001 (00001 for Grade 3 Control Panels)

CE EN 50131 Grade 2 and Grade 3*

Johnson Controls

Installation of the system must be carried out strictly in accordance with the instructions described in this manual, and in compliance with the local laws and bylaws in force.

The **ABSOLUTA Plus** control panels have been designed and manufactured to the highest standards of quality and performance.

The **ABSOLUTA Plus** control panels have no user-changeable components, therefore, they should be serviced by authorized personnel only.

BENTEL SECURITY does not assume responsibility for damage arising from improper application or use.

The manufacturer recommends that the installed system should be completely tested at least once a month.

Hereby, BENTEL SECURITY, declares that **ABSOLUTA Plus** control panels comply with the essential requirements and other relevant provisions of Directives:
2014/35/EC The low Voltage Directive
2014/30/EC The Electromagnetic Compatibility Directive

MAINTENANCE
Please verify the correct operation of security system at least once a month.

Periodically, perform the steps below.
— Remove dust accumulation on the panel container, with a damp cloth without use any type of solvent.
— Check the status of the connections and wires.
— Check inside the panel there are no foreign bodies.
— For other security-system devices, such as smoke detectors, infrared and microwave detectors, and inertial detectors, refer to the instructions for maintenance and testing.

RECYCLING INFORMATION
BENTEL SECURITY recommends that customers dispose of their used equipment (panels, detectors, sirens, and other devices) in an environmentally sound manner. Potential methods include reuse of parts or whole products and recycling of products, components, and/or materials.
For specific information see: http://www.bentelsecurity.com/index.php?o=environmental

ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE
 In the European Union, this label indicates that this product NOT be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.
For specific information see: http://www.bentelsecurity.com/index.php?o=environmental

The control keypads of ABSOLUTA Plus control panel are the **CLASSIKA** and **PREMIUM** LCD, **ABSOLUTA T-Line** and the **ABSOLUTA M-Touch** touchscreen Keypad.

BENTEL SECURITY srl reserves the right to change the technical specifications of this product without prior notice.

***)** *See Table 1 on page 5.*

TABLE OF CONTENTS

ABSOLUTA Plus is a series of modular control panels based on the ABSOLUTA Plus 18, ABSOLUTA Plus 48 and ABSOLUTA Plus 128 main boards, with the characteristics listed in Table 2.

By combining these main boards with the boxes and power supplies available (see the Table opposite), your installer has developed the most suited control panel to your needs.

This manual is designed for anyone using a control panel from the ABSOLUTA Plus range. Most of the features described in this manual are included on all ABSOLUTA Plus control panels. However, some features are included on certain models only, in such cases, the name of the control panel will be specified.

This note will be used to highlight specific characteristics of the Grade 3 control panels (Table 1).

Versions	Main Boards	Boxes	Power Supplies
ABS18P15*	ABS-18	ABS-P	BAQ15T12
ABS18P35*			BAW35T12
ABS48P35*	ABS-48		BAW35T12
ABS48P50*			BAW50T12
ABS128P50*	ABS-128		BAW50T12
ABS18M35	ABS-18	ABS-M	BAW35T12
ABS48M35*	ABS-48		BAW35T12
ABS48M50*			BAW50T12
ABS48M75*			BAW75T12
ABS128M50*	ABS-128		BAW50T12
ABS128M75*			BAW75T12
ABS128M75-G3**			BAW75T12

Table 1 ***)** *Grade 2 control panel*
****)** *Grade 3 control panel*

	ABSOLUTA Plus 18	ABSOLUTA Plus 48	ABSOLUTA Plus 128
Max Number of Keypads	8	8	16
Number of user PINs	31	63	127
Number of keys	64	128	250
Number of Key readers	16	32	32
Number of input expansions	16	32	32
Number of output expansions	16	16	16
Number of power supply stations	4	4	4
Max number of wired zones	18	48	128
Max number of wireless zones	18	48	128
Total max number of combined (wired+wireless) zones	18	48	128
Number of partitions	8	8	16
Max number of output	16	20	50
Max telephone numbers	32	32	32

Table 2 *ABSOLUTA Plus panel series features.*

Alarm signaling

The alarm status is signaled by means set by the installer:

- visible and/or audible devices (sirens)
- voice calls and/or SMS sent to a programmed series of numbers
- transmission of events to central stations
- notifications on a mobile device or by sending an e-mail

Wireless sirens can emit different sounds to identify the type of alarm, as Table 3 describes. For more information, ask the installer.

Disarm partitions to end the alarm signaling.

☞ *The 24 hour alarms, such the tamper alarms, may occur when the partitions is disarmed. In this case, arm and disarm the partitions to stop the alarm.*

☞ *The control panel carries on to transmit programmed events (voice calls, SMS and transmission of events to the central stations) even after the partitions have been disarmed: read "Clear call queue" to cancel the transmission of events.*

Sound ➔		**Continuous sound**	**Three half-second sounds every 1.5 seconds**	**Four short sounds (0.1 seconds) every ten seconds;**	**A sound of one second every three seconds**
Default ➔		*Burglary alarm (1)*	*Fire alar*	*Gas or carbon monoxide Alarm*	*Flood Alarm*
No.	**Siren label ➔**				
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Table 3 *The first row shows the description of the sounds that the wireless sirens can emit:* ***1)*** *The continuous sound may indicate that the siren cannot communicate with the control panel, and it is open or removed from the mounting surface, if the installer enabled this option. The second row shows the default meaning of the sounds. In rows 1 to 16, the installer can indicate the meaning of each sound for each siren. An empty cell indicates that the sound meaning is the default.*

Glossary

Alarm Zone A limited area of the premises monitored by detectors (e.g. Motion detectors, Door/Window contacts, etc.).

BPI Device A peripheral device connected to the Control panel by a 4 pin conductor.

Beep An audible signal emitted by the Keypad each time a key is pressed, or when requested operations have been completed.

Buzz An audible signal emitted by the Keypad to indicate that a requested operation is impossible, or has been denied (for example, automatic exit from the User Menu at a LED keypad).

Buzzer An audible signalling device inside keypads and PROXI2 readers.

Central Station A private Security Company your Control panel will send Alarm, Trouble and Emergency messages to (that is, if remote monitoring is enabled).

Detector A device which signals alarm conditions (e.g. Glassbreak, Forced entry, etc.).

Dialler A device which sends voice message to programmed phone numbers.

Digital Communicator An integrated on-line device that sends digital signals.

Digital Key An electronic control key with a random PIN (selected from over 4,294,967,296 billion combinations).

Display An alphanumeric screen on the LCD Keypads.

LCD Keypad A command keypad with a display. Your Control panel can be programmed and controlled via LCD Keypads.

Touch Keypad Touchscreen keypad to manage and program the Control Panel.

LED A small coloured light on the Keypads and Readers.

Log A list of the last 2000 events

Partition A section of the premises. Each Partition can have its own Times, PINs and Digital Keys/Cards, etc.

Reader A peripheral control device which accepts commands from digital keys/cards, for example PROXI2 and ECLIPSE2 proximity readers.

Real-time Instant Audible/Visual signals or communications.

Telemonitoring A remote-monitoring service provided by a Central Station. This feature will allow the Control panel to transmit real-time events (e.g. Forced entry, Tamper, Alarms, etc.) to the Central station.

Teleservice A remote-maintenance service provided by your Installer. The Teleservice feature allows the Installer to operate on your system over the phone remotely.

OPERATIONS FROM TOUCH KEYPAD

The **M-Touch** keypad with its ample display enables graphic presentation of system information. Then the display is touch-sensitive so is easy and intuitive to interact with.

In standby the keypad can display information shown in Figure 1 and described below.

☞ *Information shown by the keypad in standby depends on operations programmed by the installer (option **EN50131** enabled or disabled): ask your installer for more information.*

1) Status Bar This area can show the following messages (with decreasing priority):

- **System in Alarm**, above a red bar, in an alarm;
- **Auto-arm in**, above an orange bar, if the system is about to be armed by the time scheduler;
- Labels of open zones, above a grey bar, of zones with the option **Active on Keypads** enabled (ask the installer for more information).

2) Signals Icon This area can show the following icons, if the **EN50131** option is disabled (with decreasing priority):

- fixed, in an alarm;
- fixed, with tampering or fault;
- blinking, with an alarm memorised;
- blinking, with tampering or a fault memorised;
- fixed, with zones bypassed.

3) SMS not read This icon is displayed when there are unread SMSs: the number above the icon indicates the number of messages not read. Read “GSM/IP > Received SMS” for more information.

4) Time and Date This area displays the current time and date: read “Settings > Date and Time” for more information.

5) Stop Alarms If option **EN50131** is disabled, this area displays the icon when the visual/audio (sirens) signalling devices are disabled via the **Stop Alarms** option: see “Menu (User) > Stop Alarms” for more information.

☞ *The icon is also displayed when option **EN50131** is enabled, if the signalling devices are disabled by the jumper **SERV**: ask your installer for more information.*

6) Arm Status This area can show the following icons, if the **EN50131** option is disabled:

- if all Keypad Partitions are disarmed;
- if at least one Keypad Partition is armed.

7) Auto-arming If option **EN50131** is disabled, this area displays the icon when the auto-arming is enabled: see “System > Auto arming” for more information.

8) Partition Status If option **EN50131** is disabled, this area displays the partitions status of the keypad, when icon 6 is pressed (or):

- Press or to scroll through the partitions;
- Press icon 6 (or) to hide the partition status.

9) User Logged in LED (green) If on indicates that the user is logged in to the keypad: read “Entering the Home Screen” for more information.

10) Armed Partition LED (red) If the **EN50131** option is disabled, comes on when at least one keypad Partition is armed: read “Arming/Disarming Partitions” for more information.

Figure 1 *The M-Touch keypad is on standby (**EN50131** disabled).*

11) Home Key Press this key for ***less than 3 seconds*** to display the *Login Screen*: read “Entering the Home Screen” for more information.
Keep this key pressed for ***at least 3 seconds but less than 10 seconds*** to enter calibrate screen: read “Screen calibration” for more information.
Keep this key pressed for ***at least 10 seconds*** to restore the keypad.

☞ *This key blinks when the control panel receives an SMS: read “Received SMS” for more information.*

12) Signals LED (amber) If option **EN50131** is disabled, it comes on with a signal: read “Viewing Signals” for more information.

13) Power LED (green) When on the keypad is powered.

14) Slot for SD memory card SD (Secure Digital) Memory Card slot with images to be displayed in digital picture frame mode (see “ Keypad> Picture Frame”) or with the desired image for the background (see “Keypad > Background Image”).

☞ *The keypad supports memory cards up to 32 GB, formatted to FAT16 or FAT32.*

Emergency Keys

Emergency Keys enable the user to recall actions programmed by the installer quickly, with no need to enter a PIN.

To enter Emergency Keys:
- touch any point on the screen when the screen is off or shows Digital Frame images; then touch any point on the screen again, or,
- press the **Home** key for at least 3 seconds.

The keypad displays the *Login Screen* with the Emergency Keys described below.

Fire Keep this key pressed until the keypad beeps and displays the icon (about 4 seconds) to signal a fire.

Panic Keep this key pressed until the keypad beeps and displays the icon (about 4 seconds) to signal an aggression.

Emergency Keep this key pressed until the keypad beeps and displays the icon (about 4 seconds) to signal an emergency situation.

☞ *Actions triggered by the Emergency Keys, and Emergency Key labels, depend on control panel programming: ask your installer for more information.*

Entering the Home Screen

On standby the keypad display is off or displays images selected for the Digital Frame.

To carry out any operations you must access the keypad's Home Screen, as described below.

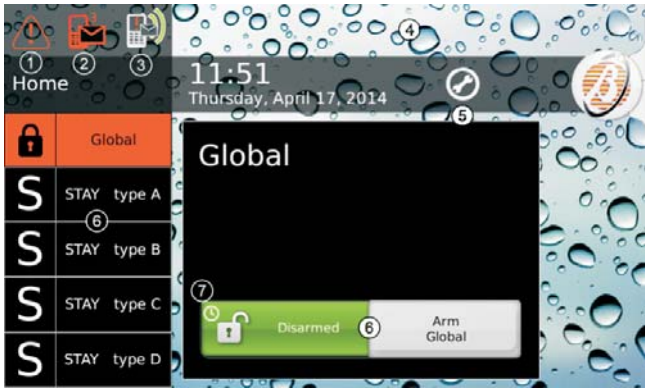
1. Press the **Home** key for at least 3 seconds and go to step 3 or touch any point on the display when it is off or displays Digital Frame images:

2. Touch any point on the display again when the standby status screen appears:

☞ *The key is for access in Installer or Level 4 mode. If you touch this key by mistake, touch it again to display the user Login Screen.*

3. Enter a valid PIN:

4. Press:
- ➢ X to cancel all numbers entered;
- ➢ X again to exit the Login Screen and go back to step 2;
- ➢ √ to confirm the PIN entered.



The keypad displays the ***Home Screen*** described below.

1) Signals Icon This icon signals alarms, tampering, failures or bypassed zones, in progress or memorised (it changes based on whether the signal is in progress or memory): touch this icon to display signals as described in "Viewing Signals".

2) Unread SMS Icon This icon signals the presence of SMSs that have not been read; the number to the top right indicates the number of SMSs to be read: touch this icon to read them (only Master and Normal Users) as described in "Received SMS".

3) Event Transmission Icon This icon signals that the control panel is transmitting the events (Alarm, Tamper, Fault or Generic) through its communication channels (voice calls, SMS, transmissions to the Central Stations): touch this icon to cancel the transmission in progress and those queuing as described in "Alarm Status > Clear the transmission of events".

4) Status Bar This zone can show the following messages (with decreasing priority):
- ➢ **System in Alarm**, above a red bar, in an alarm (read "Alarm Status" for more information);
- ➢ **Auto-arm in**, above an orange bar, if the system is about to be armed by the time scheduler (read "Auto-arming" for more information).

5) Stop Alarms This icon indicates that the visual/audio (sirens) signalling devices have been disabled by the option **Stop Alarms** (see "Menu (User) > Stop Alarms" for more information) or through the jumper **SERV** (ask your installer for more information).

6) Arming/Disarming Keys These keys are to arm/disarm Partitions: read “Arming/Disarming Partitions” for more information.

☞ *The Patrol User can ONLY Away Arming and Disarming the system, therefore these keys are NOT available to the Patrol User.*

7) Auto-arming This icon indicates that auto-arming is enabled: see “System > Auto-arming” for more information.

Press display/hide the Menu Bar (read “Menu Bar” for more information):

Press **Exit** to quit the Home Screen or any other keypad screen, and go back to step 2.

☞ *The keypad quits automatically from the Home Screen (from all other screens) after 30 (180) seconds if no key is pressed.*

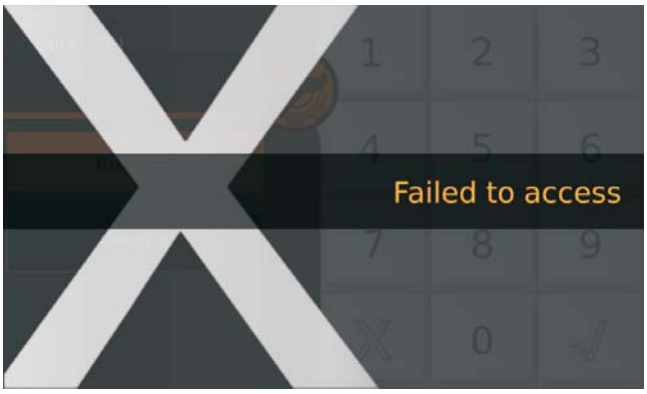
☞ *Operations possible and information visible depend on the type of PIN used to log in: Master, Normal or Limited or Patrol.*

☞ *Operations related to Partitions and Zones will ONLY be effective on Partitions and Zones of Partitions common to the PIN and Keypad used.*

☞ *Each PIN and Keypad can ONLY display the information in Partitions and Zones belonging to Partitions common to the PIN and Keypad used.*

■ Failed to access

The following message appears if an invalid PIN is entered:



☞ *The keypad blocks for 90 seconds if 10 (3 for the Grade 3 panels) consecutive invalid PIN are entered.*

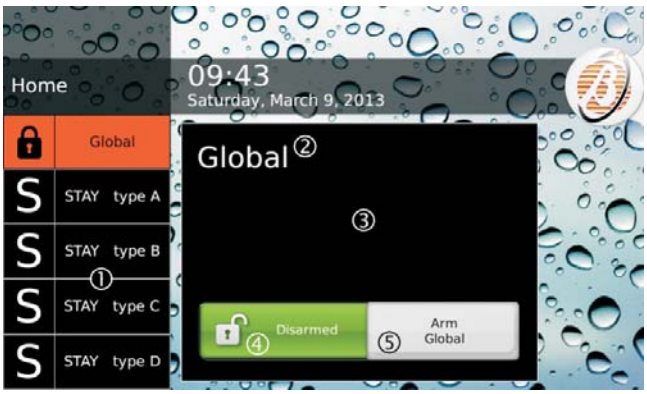
Arming/Disarming Partitions

When a Partition is armed, any violation of one of its Zones causes an alarm.
When a Partition is disarmed, its zones can be violated without causing any alarms.

☞ *The 24h Zones cause an alarm independent of the status of Partitions they belong to; they are generally used to detect security system device tampering and as fire detectors.*

Operations described in this paragraph arm/disarm ALL Partitions common to Keypad and PIN used, as programmed by the installer (ask the installer for more information).
Single Partitions can also be armed/disarmed singly as described in “Info > Partition Status”.
To arm/disarm Partitions, follow the instructions below.

Enter the Home Screen as described in “Entering the Home Screen”.



The keypad displays the ***Home Screen*** described below.

1) Arming Mode Displays Arming Modes available:
- **Global**, arms all Partitions common to Keypad and PIN used;
- **STAY type A** (B/C/D), arms/disarms the Partitions common to keypad and PIN used as programmed by the installer.

☞ *The **Global** option is NOT displayed if the installer has not programmed at least one stay arming (Type A, B,C or D).*

☞ *Labels of Stay Arming Modes can vary based on installer programming.*

☞ *Any arming mode labels that exceed the space available scroll automatically to display the excess part: read “Keypad > Scrolling Test” for more information.*

2) Label of Arming Mode selected.

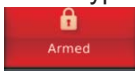
3) Description of Arming Mode selected.

☞ *Arming Mode descriptions are programmed by the installer.*

4) Current Arming Status The coloured box shows current Partition status:

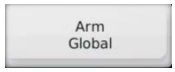
- 

GREEN with the label **Disarmed**, if ALL Keypad Partitions are DISARMED;
- 

RED with the label **Armed Global**, if ALL Keypad Partitions are ARMED;
- 

RED with the label **Armed** if AT LEAST ONE Keypad Partition is ARMED.

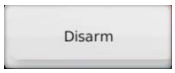
5) Arming/disarming key The grey key arms the Partitions as selected or disarms them:

- 

GREY with the label **Arm Global**, ARMS ALL the Partitions of the Keypad and PIN used;
- 

GREY with the label **Arm STAY type A**, ARMS/DISARMS the Partitions of the Keypad and PIN used in the programmed mode;

☞ *The label **Arm STAY Type A** Arming depends on the Arming Mode selected and can be modified by the installer.*

- 

GREY with the label **Disarm**, DISARMS ALL the Partitions of the Keypad and PIN used.

Here below you will find some possible combinations of the box displaying the current status of Partitions and the Arming Key:

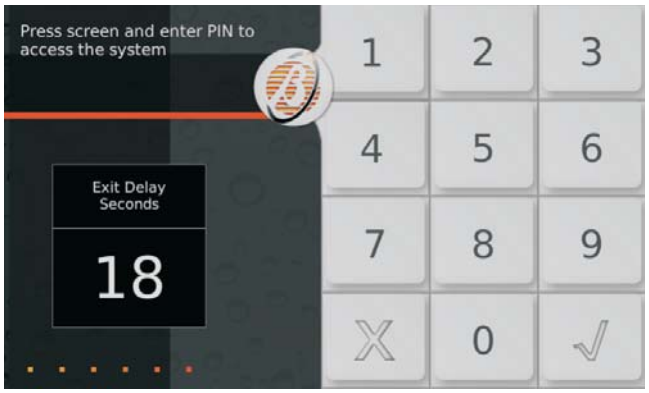
- ALL Partitions DISARMED and an Arming Mode selected (Global, in the following example):

- Partitions ARMED is a Mode (**Global**, in the following example) and SAME Arming Mode selected:

- Partitions ARMED in a Mode (**STAY Type A** in the following example) and DIFFERENT Arming Mode selected (**Global**, in the following example):

■ Arming

Select the desired Arming Mode then press the Arming Key:



If there are no Arming Block Conditions (see relative paragraph), the keypad starts to scan Exit Delay (if programmed).

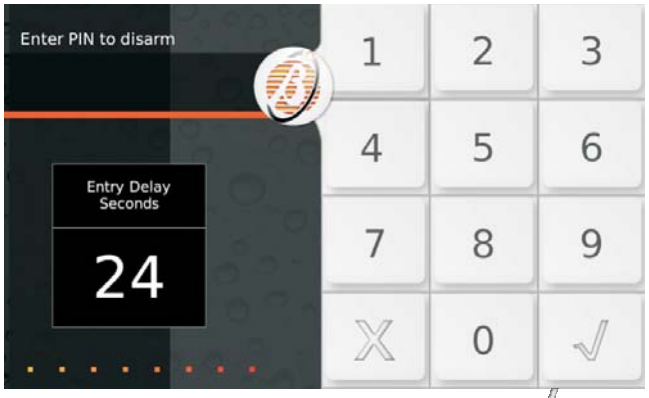
☞ *Exit Delay is also signalled audibly increasing in frequency when arming is in less than 10 seconds.*

Leave the protected zones, along the preset route, before Exit Delay expires or disarm the Partitions.

At the end of Exit Delay (if programmed), the keypad displays the Standby Screen.

■ Disarming

If you violate a Delayed Zone, the keypad starts scanning Entry Delay:



In that case, just enter a valid PIN and press √, to disarm the Partitions before Entry Delay expires.

In all other cases, enter the Home Screen as described in “Entering the Home Screen” and press **Disarm**.

☞ *Entry Delay is also signalled audibly increasing in frequency when the alarm will go off in less than 10 seconds.*

At the end of the disarming operation, the keypad displays the Standby Screen.

■ Disarm under Duress

If you are forced to disarm the system under duress, use the PIN the installer assigned for the purpose (ask your installer for more information); in that way the control panel will send a silent alarm (NOT signalled by any audible device and by the keypads) to competent authorities.

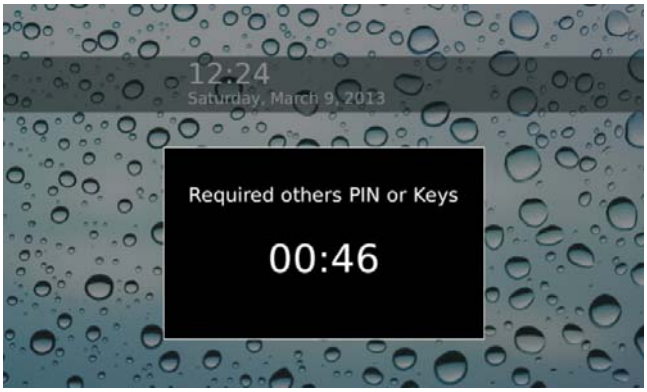
■ Disarm for patrol

Use the PIN assigned for this function (ask your installer for more information) to disarm the Partitions for a limited period of time; Partitions will re-arm automatically when the time programmed expires.

■ Disarming with several PINs/Keys

If the installer has programmed disarming using several PINs/Keys for a Partition, to disarm it you must enter/use the PIN/Key number assigned before the programmed time expires, as described below (also read the same paragraph under “OPERATIONS FROM LCD KEYPAD > Basic (Arming) Commands” and “Reader Operations”).

1. Disarm the Partitions as described in “Disarming”:



The display shows time available to use another PIN or Key.

2. Disarm the Partitions again using a different PIN or Key before time available expires:

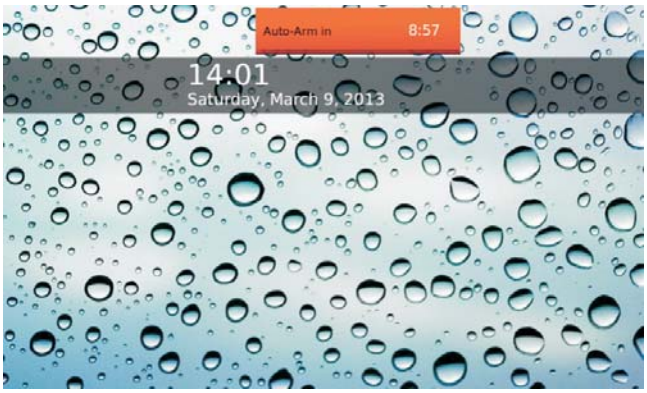
The display message **System Disarmed** appears if other PINs or Keys are NOT needed, otherwise it goes back to the previous step.

■ Auto-arming

If your installer has programmed the Partitions to arm automatically, they will be armed/disarmed at scheduled times, in scheduled modes: ask your installer for more information.

☞ *Auto-arming can be enabled/disabled as described in “System > Auto-arming”.*

When there are just 10 minutes to go before a Partition is armed automatically, the display, in Standby Status, shows the auto-arming signalling bar with the countdown of time remaining:



You can postpone automatic arming by 1 hour as follows.

1. Enter the Home Screen as described in “Entering the Home Screen”:

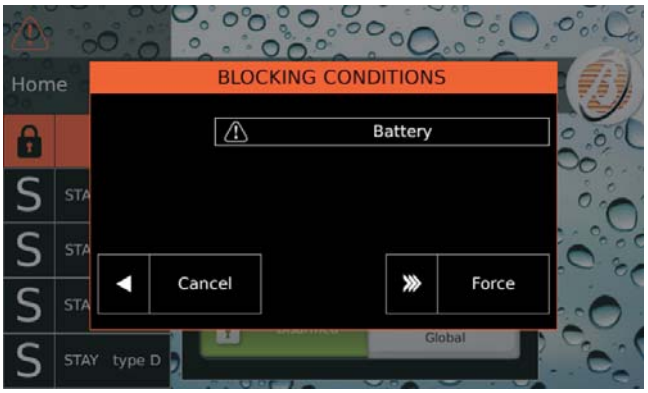
2. Press **More Time** to postpone automatic arming by 1 hour or press **OK** to hide the auto-arming notification bar.

☞ *You can postpone automatic arming, up to 3 times in a day.*

See “Menu (User) > Extra Time” to postpone the auto-arming when there are more than 10 minutes left before the scheduled time.

■ **Arming Block Conditions**

The display shows a screen like this one if there are any conditions that prevent Partition arming:



Press **Force** to arm the Partitions in any case or **Cancel** to cancel arming.

☞ *Based on the Keypad function mode (**EN50131** enabled/disabled) some Blocking Conditions CANNOT be forced : read "APPENDIX > Arming Block Conditions" for more information.*

Some Blocking Conditions can be solved by the user, others require installer intervention.

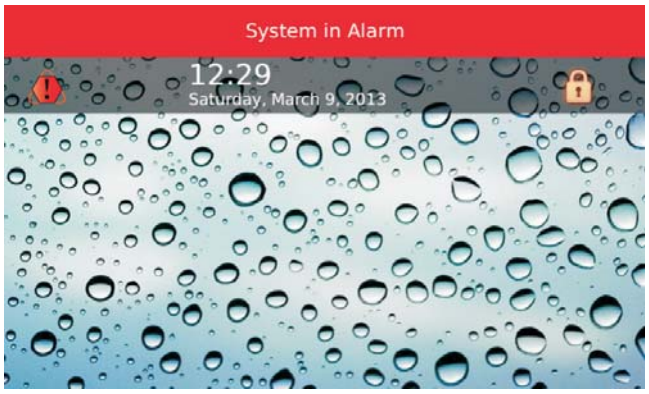
Alarm Status

The Alarm Status is signalled by means set by the installer:

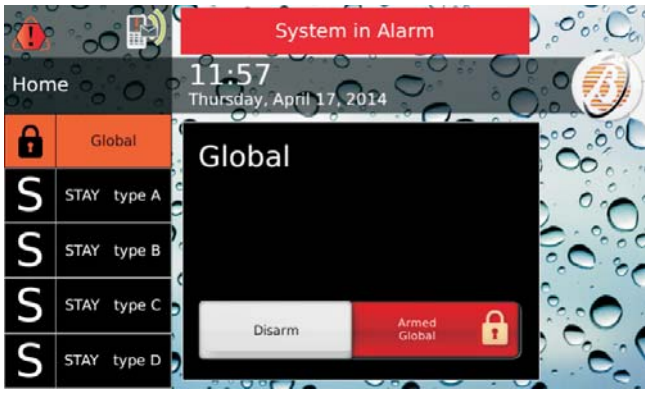
- visible and/or audible devices (sirens);
- voice calls and/or SMS sent to a programmed series of numbers;
- transmission of events to central stations.

The Keypad signals the Alarm Status with the message **System in Alarm** above a red bar and the icon .

If option **EN50131** is disabled the Alarm Status is also visible from the Standby Status:



Otherwise, if the **EN50131** option is ENABLED, the Alarm Status is ONLY visible in the Home Screen:



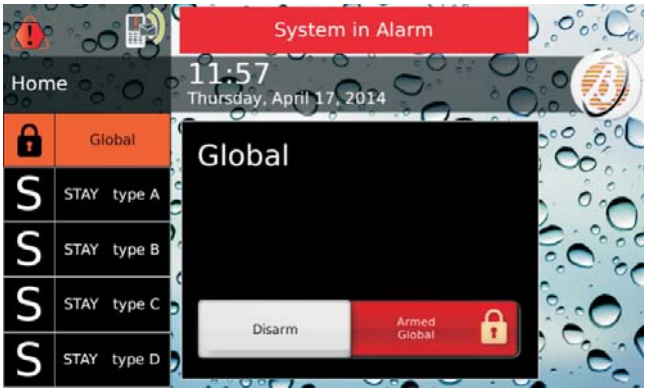
Disarm Partitions as described in "Arming/Disarming Partitions" to end the Alarm Status.

☞ *The control panel carries on to transmit programmed events (voice calls, SMS and transmission of events to the Central Stations) even after the partitions have been disarmed: read the following paragraph to cancel the transmission of events.*

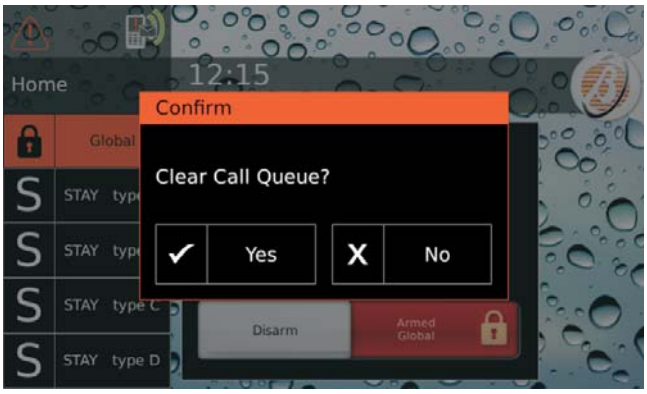
See "Menu (User) > Stop Alarms" if the disarming of the Zones does NOT block the visual/audio (siren) signalling devices.

■ **Clear call queue**

1. Enter the Home Screen as described in “Entering the Home Screen”:



2. Press to cancel the transmissions in progress and any more queuing:



3. Press **Yes** to confirm.

Viewing Signals

The LED ⚠ indicates a signal (alarm, tampering, fault or zone bypass).
If all signals have ended, the LED ⚠ blinks to indicate that signals have occurred (memory).

☞ *If the Keypad has the **EN50131** option enabled, the ⚠ led ONLY displays system status when ALL keypad Partitions are disarmed: ask your installer for more information.*

To view signals in progress and those memorised, follow instructions below.

1. Enter the Home Screen as described in “Entering the Home Screen”.

2. Press the icon in the top left on the display; this icon can be as follows, with decreasing priority:

- fixed, in an alarm;
- fixed, with tampering or fault;
- blinking, with an alarm memorised;
- blinking, with tampering or a fault memorised;
- fixed, with zones bypassed.

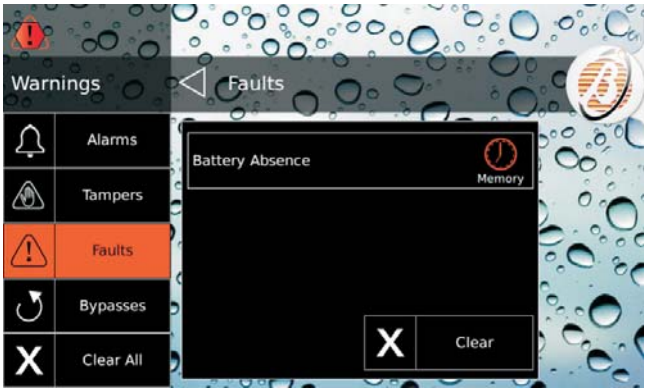
The display’s left side shows the signals category: Alarms, Tampers, Faults and Bypasses; if a category has no signals in progress or memorised, the relative key is not displayed; the central part of the display shows a list of signals for the category selected on the left side.

☞ *For some signals, the keypad does not show any description in viewing signals mode. You can find this information in the event log.*

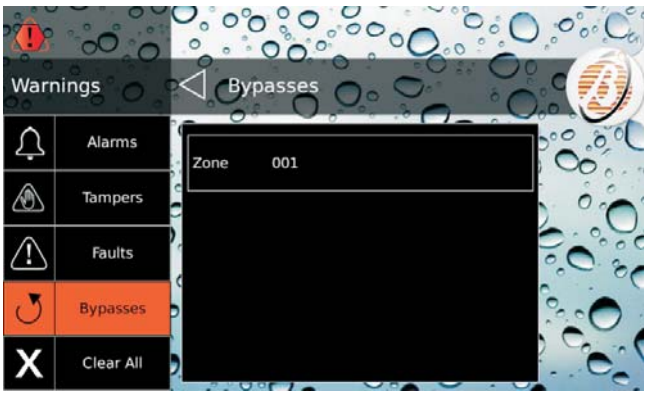
3. Press **Alarms** to view alarms.

4. Press **Tampers** to view tampering:

5. Press **Faults** to view faults (see Table 14 on page 78):



6. Press **Bypasses** to view zones bypassed:



- The icon ⏲ indicates that a signal occurred in the past (memory).
- Press ▽ or △ to scroll signals.
- Press **Clear** to cancel the category signals (ONLY **Master User** for Grade 2 Control Panels and for Alarms in Grade 3 Control Panels or **Super User** for Grade 3 Control Panels).
- Press **Clear All** to cancel ALL the tampering and fault signals (ONLY **Master User** for Grade 2 Control Panels or **Super User** for Grade 3 Control Panels).

☞ *The **Clear** key is not available for the bypassed zones; see "Info > Zone status" to clear (re-include) the bypassed areas.*

☞ *The **Clear All** key is NOT available if there are only bypassed zones.*

Menu Bar

To view the Menu Bar you must enter the Home Screen as described in “Entering the Home Screen”.

Press to view/hide the Menu Bar.

The Menu Bar will allow you to select the following options.

Menu (1)
- **PIN** (2): setting, enabling/disabling PIN numbers.
- **Number**: programming Telephone Numbers.
- **Keys**: disabling keys/keyfobs.
- **Teleservice**: request for assistance remotely.
- Setting
  - **Alarm Test:** tests signalling devices.
  - **Date/Time**: setting date and time.
  - System
    - **Privacy**: installer enabled to set Telephone Numbers and export.
    - **Answering**: enabling management via phone of the control panel.
    - **Installer**: enabling installer.
    - **Auto arming**: enabling automatic arming.
    - **GSM**: enabling GSM.
    - **IP**: enabling IP.
    - **Super User** (3): Enable Super User.
  - Keypad
    - **Backlight**: regulation of display brightness.
    - **Buzzer Control**: regulation of buzzer volume.
    - **Picture Frame**: choice of photo for the Digital Frame.
    - **Clock Mode**: display of 12/24 hour clock.
    - **Clean Mode**: display cleaning.
    - **Background Image**: select background image.
    - **Language**: select keypad language.
    - **Scrolling Test**: disabling scrolling text.

Scenarios (4)
- **Outputs**: activate/deactivate outputs.
- **Actions**: activate/deactivate actions.

Info
- **Partition Status** (5): view and modify Partition status.
- **Zone Status** (6): view Zone status and bypass.
- **Event Buffer** (7): view events memorised.
- **Installer**: display master data installer.
- **Bentel Security**: display information about Bentel Security.

GSM/IP (8)
- **GSM**: view GSM status; request remaining credit and SMS reading.
- **IP**: display status and IP information.
- **App**: view info for App ABSOLUTA.

Exit

1) The **Menu** option is ONLY available to Master Users. This option is replaced by the **PIN** option for Normal, Limited and Patrol Users.

2) The Limited and Patrol Users CANNOT change their PIN.

3) The option **Super User** is ONLY available with Grade 3 Control Panels for **Master User**.

4) The Limited and Patrol Users CANNOT select the option **Scenarios**.

5) Normal, Limited and Patrol Users CANNOT change status of a single Partition.

6) On Grade 2 panels, only Master Users can bypass/un-bypass zones.
On Grade 3 panels, only Super Users can bypass/un-bypass zones.

7) The option **History** is NOT visible to the Patrol User.

8) The Limited and Patrol Users CANNOT select the **GSM/IP** option.

Select the desired option and read the corresponding sub-paragraph:

1) Current Menu.

2) Press to go up a level in the menu structure.

3) Item selected.

Press **Exit** to quit the Home Screen.

Menu (User)

☞ *This menu is ONLY accessible to Master Users.*

This menu groups the following options:

- **PIN**, to set, enable/disable PINs;
- **Keys**, to disable/enable keys and keyfobs;
- **Numbers**, to set Telephone Numbers;
- **Settings**, groups the options Alarm Test, Date/Time, System and Keypad;
- **Teleservice**, to request installer assistance via phone;
- **Extra Time**, to postpone auto-arming;
- **Stop Alarms**, to disable visual/audio (sirens) signalling devices;
- **Restore Alarms**, to re-activate visual/audio (sirens) signalling devices.

Select the desired option and read the corresponding paragraph.

■ PIN

This option allows you to set and enable/disable User PINs.

The length of the PIN (4, 5 or 6 digits) and the programming mode (manual or automatic) depend on the programming of your panel (ask the installer).

☞ *Default, ONLY User PIN no. 1 is Enabled, which is **0001** for the Grade 2 Control Panels and **00001** for Grade 3 Control Panels.*

The display's left side shows available PINs with their labels, in groups of four.

☞ *Available PINs and labels are set by the installer.*

1. Press ▽ or △ to scroll the PIN list then select the PIN to be changed.

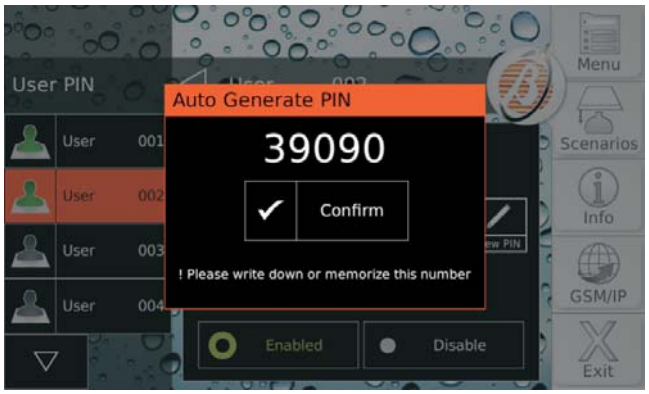
☞ *For Normal and Limited Users the PIN list only shows the PIN used to login.*

The display's right side shows the PIN selected and its status (**Enabled/Disable**).

2. Press **Disable** to disable the PIN or **Enabled** to enable the PIN.

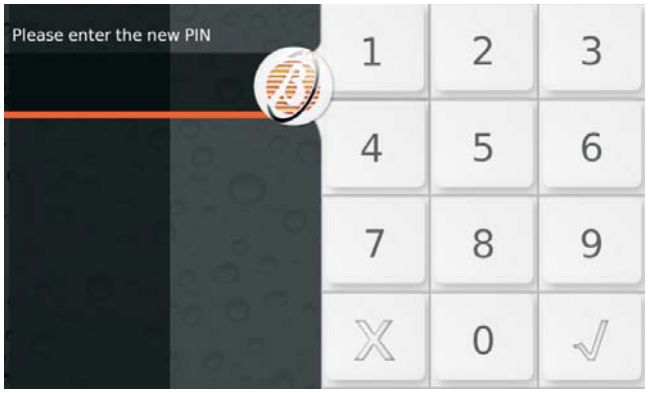
3. If the PIN is enabled, press **New PIN** to change the PIN. Please read the paragraph corresponding to the programming of your panel.

Automatic PIN The display shows the PIN generated automatically:

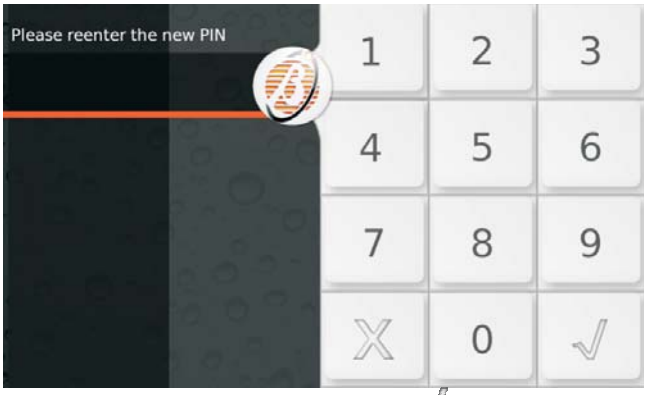


4a. Memorise the PIN and press **Confirm**.

Manual PIN The display shows the number keypad:



4b. Enter the desired PIN and press ✓ to confirm:



5b. Repeat PIN insertion and press ✓ to confirm: if PIN numbers entered match, the new PIN is memorised and the keypad returns to step 1, otherwise it goes back to step 4b.

PIN Duplicated If the existing PIN is entered at Step 5b, the display shows the message **PIN Duplicated**:

This means that the PIN was first used by another user: for security reasons, the PIN is disabled and the user is prompted to enter another PIN.

The PIN can be re-enabled by a Master User as described above.

■ **Keys**

This option allows you to disable/enable keys and keyfobs.

☞ *A key/keyfob can only be disabled/enabled by PINs enabled in partitions where the key/keyfob is enabled.*

☞ *Disabled keyfobs will continue to show the status of the system.*

1. Press **Keys** to disable/enable the keys or **Key Fobs** to disable/enable the keyfobs: the display's left side shows the list of keys/keyfobs available, with their labels and status, in groups of three.

☞ *Available Keys/keyfobs and labels are set by the installer.*

2. Press ▽ or △ to scroll the list of keys/keyfobs, then press the green rectangle **Enabled** to disable the key/keyfobs or the gray rectangle **Disabled** to enable the key/keyfob.

■ **Numbers**

This option allows you to set Telephone Numbers.

The display's left side shows Telephone Numbers available with their labels, in groups of four.

☞ *Available Telephone Numbers and labels are set by the installer.*

☞ *ONLY the Telephone Numbers that can be modified by the user are shown: the numbers of the Central Stations are NOT shown.*

1. Press ▽ or △ to scroll the list of Telephone Numbers, then select the Number to be changed: the display's right side shows the Telephone Number selected.

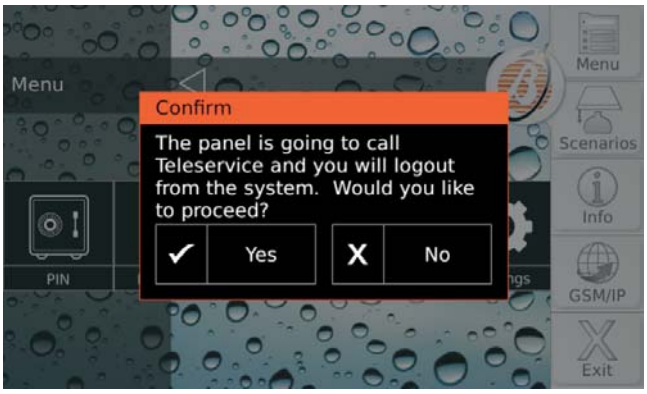
2. Press **Edit** to change the Telephone Number selected:

Type in the desired number:

- press **-** (dash) to enter a long 4 second pause, indicated by the dash (-);
- press _ (underscore) to enter a short 2 second pause, indicated by the underscore (_);
- press **Delete** to cancel the last character;
- press **Reset** to cancel ALL characters;
- press **Save** to to save changes or **ESC** to maintain the previous Number and go back to step 1.

☞ *DO NOT insert pauses in numbers dialled via GSM.*

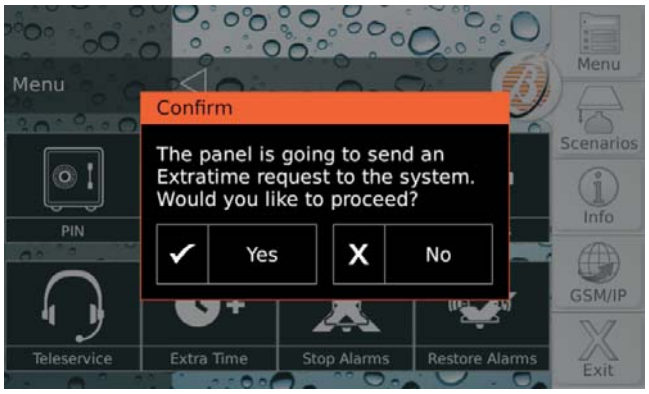
■ Teleservice



If your installer has preset Teleservice, this option allows you to request assistance remotely (maintenance not requiring intervention on parts or connections).

Press **Yes** to confirm the request for Teleservice.

■ Extra Time



This option allows you to delay the auto-arming by 1 hour: see “Arming/Disarming Partitions > Auto-Arming” for more information.

Press **Yes** to confirm the extraordinary request.

☞ *You can make up to 3 extraordinary requests in a day.*

☞ *If the extra-time request shifts arming to the day after the scheduled day, the installer must have set automatic arming for that day as well, otherwise automatic arming is NOT executed.*

■ Stop Alarms

In general, to turn off the visual/audio (sirens) signalling devices, simply disarm the partitions or clear the alarms. If these two operations are not effective, due to a permanent alarm condition or for some other reason, the option **Stop Alarms** allows you to disable the signalling devices.

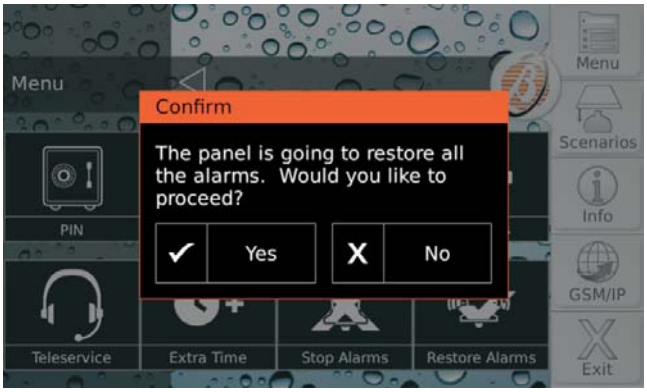
Press **Yes** to confirm the stop alarms: the Control panel disable all signalling devices.

☞ *The telephone actions (voice calls, SMS) and the transmission of events to the Central Stations will NOT be disabled: see “Alarm Status > Clear the transmission of events” to cancel the telephone actions.*

If option **EN50131** is ENABLED on the keypad, the signalling devices will be disabled until a new event occurs that activates them (alarm, tamper or fault).

If option **EN50131** is disabled on the keypad, the signalling devices remain disabled until they are enabled again using the option **Restore Alarms**, as described in the following paragraph: in this case icon will signal the permanent disarming of the signalling devices.

■ Restore Alarms



This option allows you to re-activate the visual/audio (sirens) signalling devices with the option **Stop Alarms** disabled.

Press **Yes** to confirm the resetting of alarms: the signalling devices will be reactivated if the alarm conditions are still present.

Settings

Press:

- **Alarm Test**, to check that signal devices operate correctly;
- **Date/Time**, to set the date and time of the control panel;
- **System**, to enable/disable the ***Privacy***, the ***Answering***, the ***Installer***, the ***Auto arming***, the ***GSM*** *and the* ***IP***;
- **Keypad**, to adjust the ***Backlighting***, and the keypad ***Buzzer*** volume, to choose images for the ***Digital Frame*** and ***Background***, to set the ***Clock*** operating mode and the keypad ***Language***, to ***Clean*** the keypad.

Read the relevant section for more information.

■ Alarm Test

This option allows you to check signal system operations (alarms).
When this option is selected, Panel Output no. 1 (generally connected to the external siren) is activated for about 3 seconds, and Voice Messages and/ or Reporting Codes are sent to the Telephone Numbers assigned to the **General System Alarm** event (ask your installer for more information).

The display will show the message << An alarm test will be performed on the system. Would you like to proceed?>>.

Press **Yes** to carry out the test or **No** to close the popup window without doing the test.

■ **Date and Time**

This option allows you to change date and time on the Panel clock.

Press ▽ or △ to make the desired change, then press **Save** to memorise the change.

☞ *The date and time will be automatically adjusted if the installer has enabled this feature.*

System

Press:

- **Privacy**, to enable/disable installer programming of telephone numbers for voice calls and to export user PINs and Keys;
- **Answering**, to enable/disable the Control Panel to answer phone calls;
- **Installer**, to enable/disable installer access to the Control Panel;
- **Auto Arming**, to enable/disable arming/disarming Partitions at scheduled times;
- **GSM**, to enable/disable communication via GSM.
- **IP**, to enable/disable communication via IP;
- **Super User**, to enable/disable the Super User.

Read the relevant section for more information.

■ **Privacy**

Enable this option to allow the installer to access the phonebook for voice calls and to export user PINs and Keys.

☞ *This option is disabled and CANNOT be enabled if the **Installer** option is disabled.*

Press **Enable** to enable the option or **Disable** to disable the option.

■ Answering

This option will allow you to enable/disable the Control Panel Answering device. If the Answering Device is enabled, the Control Panel will answer calls with a Voice Message: your installer will have recorded the required messages for your system.

Press **Enable** to enable the option or **Disable** to disable it.

■ Installer

This option allows you to enable/disable the Installer (Installer Level) to operate locally on the keypad or remotely through Teleservice.

☞ *The Installer CANNOT be enabled/disabled during a DTMF session.*

Press **Enable** to enable the option or **Disable** to disable it.

■ Auto arming

Auto-arm arms and disarms Partitions at times scheduled by the installer.

☞ *The Auto-arming option disarms Partitions at the scheduled time, even if they are in an Alarm Status.*

Press **Enable** to enable the option or **Disable** to disable it.

■ GSM

This option will allow you to enable/disable the GSM.

Press **Enable** to enable the option of **Disable** to disable it.

■ IP

This option will allow you to enable/disable the IP communication.

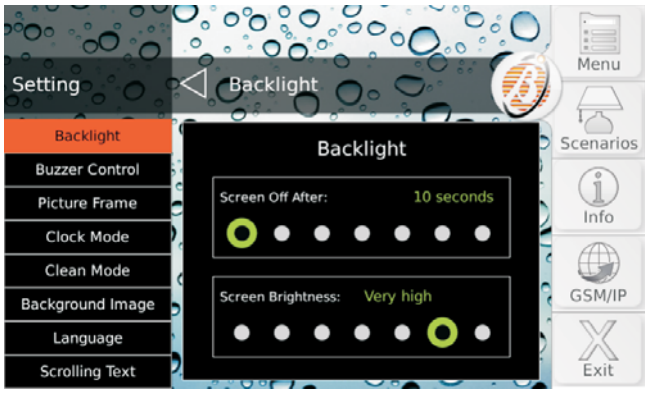
Press **Enable** to enable the option or **Disable** to disable it.

■ **Super User**

This option will allow you to enable/disable the Super User.

Press **Enable** to enable the option or **Disable** to disable it.

Keypad



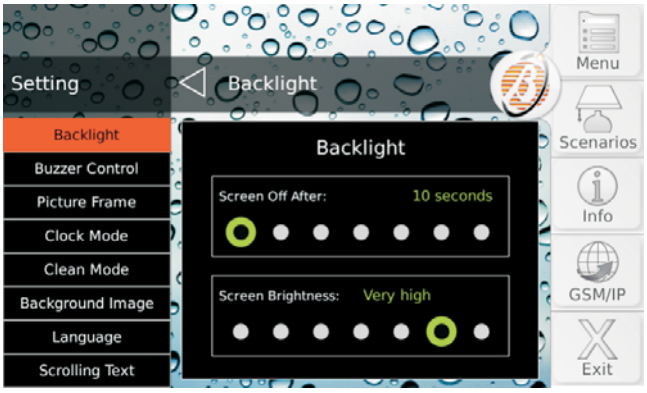
Press:

- **Backlight**, to set screen inactivity turn-off times and backlighting intensity.
- **Buzzer control**, to set keypad buzzer volume;
- **Picture Frame**, to select the photo or photos the keypad must display during standby;
- **Clock Mode**, to set how the time is displayed;
- **Clean Mode**, to clean the keypad screen;
- **Background Image**, to select the screen's background image;
- **Language**, to select the keypad language.
- **Scrolling Text**, to disable the scrolling text.

Read the relevant section for more information.

☞ *The **Keypad** Menu can only be entered with a Master User PIN.*

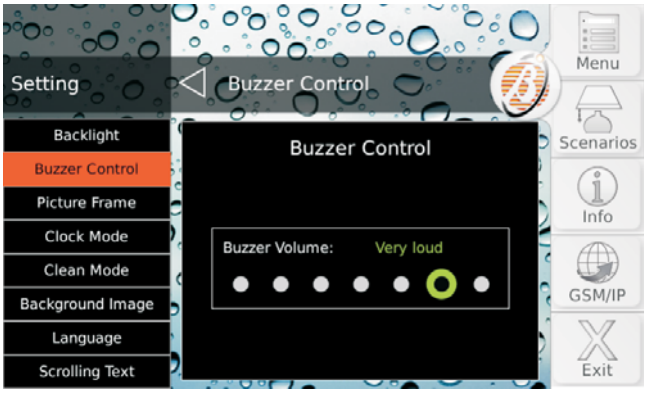
■ Backlight



Screen Off after Set screen turn off inactivity time.
Valid Values: 10, 20, 30 seconds and 1, 2, 5, 10 minutes.
Default: 1 minute.

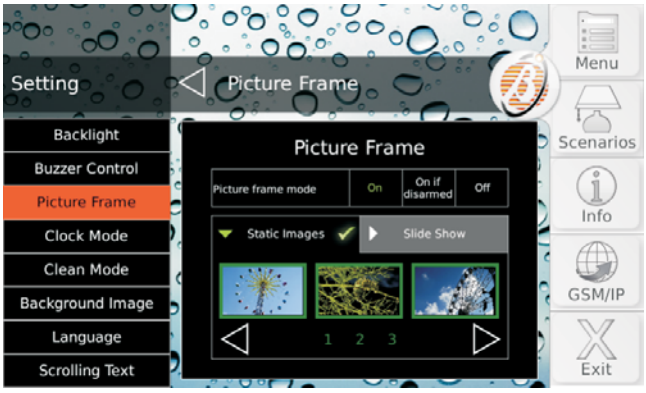
Screen Brightness Set screen brightness.
Valid Values: Extra low, Very low, Low, Normal, High, Very high, Extra high.
Default: Very high.

■ Buzzer Control



Adjust Buzzer volume.
Valid Values: Buzzer off, Very quiet, Quiet, Normal, Loud, Very loud, Extra loud.
Default: Very loud.

■ Picture Frame



This option allows you to use the keypad as a digital frame:

- the images to be displayed must be memorised in the main folder of an SD (Secure Digital) card;
- the SD card must be maximum 32 GB and be formatted FAT16 or FAT32;
- images must be in JPG or TIF format, maximum 1 MB;
- for the best results we advise using 800x480 pixel images;
- the SD card must be inserted in the specific keypad slot.

The images of the Digital Photo Frame are displayed when the keypad is in standby.

1. Press:

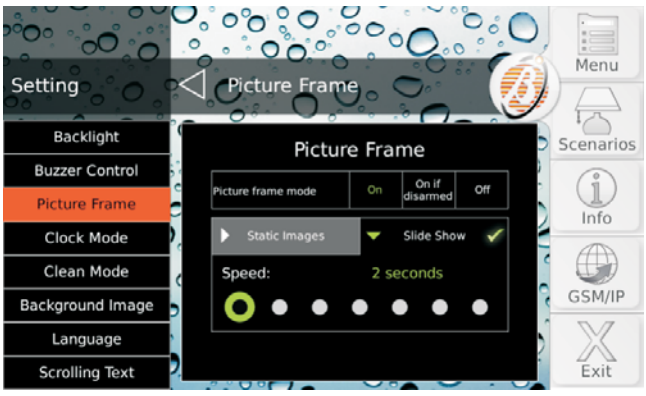
- **OFF** to disable the Digital Frame;
- **ON** to enable it always;
- **ON if Disarmed**, to enable it when the partitions of the keypad are disarmed.

If you select **ON** or **ON if Disarmed**, the lower part of the display shows images present in the SD card, in groups of three.

2. Press ◀ or ▶ to see the other images; touch an image to select/deselect it: images selected are in a green frame.

☞ *Default, all images are selected.*

3. Select the **Slide Show** tab to set how long you remain on each image:



Valid Values: 2, 5, 10, 20, 30, 45 seconds and 1 minute.
Default: 2 seconds.

■ Clock Mode

Select how time should be displayed:

- **12 Hour Clock**, will use numbers from 00 to 12 to display time, with the initials AM for the morning and PM for the afternoon;
- **24 Hour Clock** (default), will use numbers from 00 to 11 for morning times and 12 to 23 for the afternoon.

■ Clean Mode

This option displays a black screen and makes the touchscreen insensitive to the touch; in this way it is easy to identify dust and remove it with a cloth, without any command being activated by mistake!

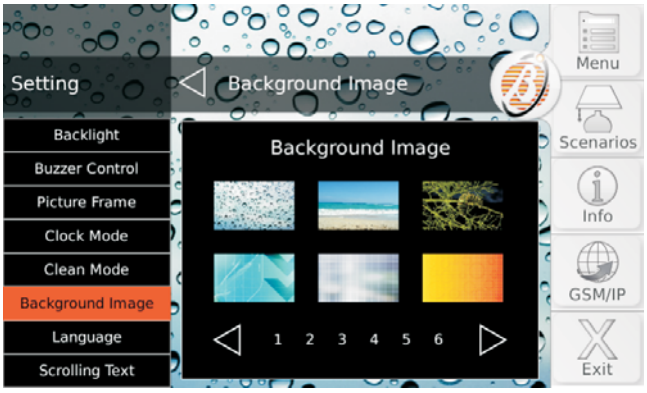
⚠ **The screen must only be cleaned using a clean cloth. DO NOT use any kind of detergent or solvent!**

1. Press **Clean Mode** to block the touchscreen:

2. Press the **Home** key to quit Cleaning Mode, the keypad returns to the **Home** Screen:

☞ *However Clean Mode ends after 30 seconds.*

■ Background Image



The Background Image is the one displayed on the back of each keypad screen.
The Background Image can be chosen from amongst those in the keypad memory and from amongst those in the SD card inserted in the keypad (read “Picture Frame” for more information).

The display shows images present in the keypad memory and those in the SD card inserted in the keypad, in groups of 6.

Press ◁ or ▷ to see the other images; touch an image to select/deselect it: the one selected is the one in the green frame.

☞ *The image selected from the SD card is copied to the keypad memory so that the SD card can be removed.*

■ Language

Select the language to be used for keypad text.

☞ *When the keypad is first turned on, the keypad language is set as that of the control panel it is connected to.*

☞ *This option only changes the language of the keypad used.*

■ Scrolling Text

This option allows you to disable/enable the scrolling of programmable labels (Arming Modes, Zones, Partitions, Outputs, Telephone Numbers, Users, keys, etc.) in case they are too long for the space provided:
➢ press **Disabled** to disable scrolling;
➢ press **Enabled** to enable scrolling.

Default: Enabled.

Scenarios

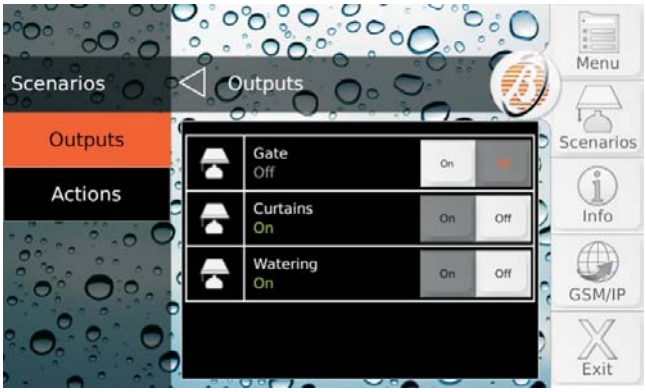
This option allows you to activate/deactivate Control Panel **Reserved Outputs** and actions associated with **Remote Command** events.

☞ *Remote Command events are the same as those that can be controlled via SMS (read "SMS OPERATIONS > Events Controlled by SMS") and through an i-Phone or an Android smartphone with the **ABSOLUTA** App.*

Based on Control Panel programming and installation Reserved Outputs and Remote Command events can be used to apply domotic features (turning irrigation, lights, heating etc. on/off). Ask your installer for more information.

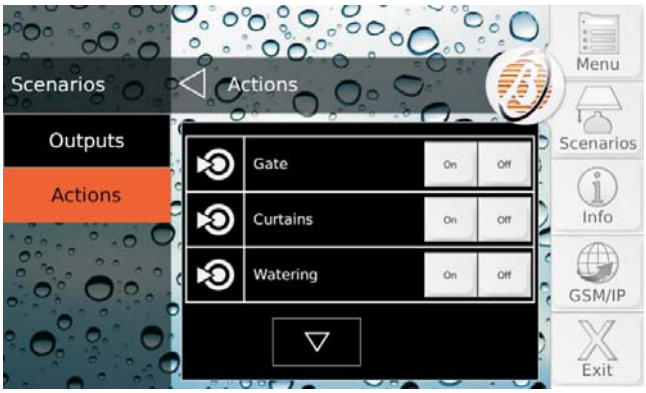
Press **Outputs** to activate/deactivate Reserved Outputs or **Actions** to switch the Remote Command events.

Outputs The display's central part lists the Reserved Outputs and their status.



Press ▽ or △ to scroll the list, then press **On** to activate the output or **Off** to deactivate it.

Actions The display's central part lists the Actions.



☞ *The status of Actions cannot be known a priori.*

Press ▽ or △ to scroll the list, then press **On** to activate the action or **Off** to deactivate it[1].

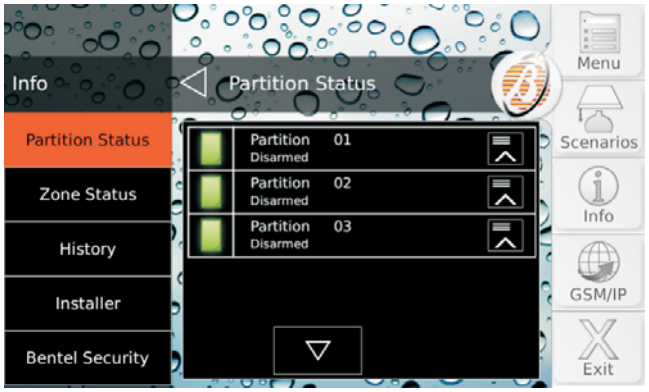
Info

Press:

- **Partition Status**, to view and change Partition status;
- **Zone Status**, to view zone status and to bypass/include zones;
- **Event Buffer**, to view event records.
- **Installer**, to display the installer contact details;
- **Bentel Security**, to display the information about Bentel Security.

Read the relevant section for more information.

■ Partition Status



This option allows you to view and change Partition status.

1 *The OFF button is not available if ONLY Monostable Outputs are associated to the actions as this type of output is deactivated by itself after the programmed time has elapsed.*
If Monostable and Bistable outputs are associated to the action, the OFF button deactivates the Bistable outputs ONLY while the Monostable outputs are deactivated after the programmed time has elapsed (ask your installer for more information).

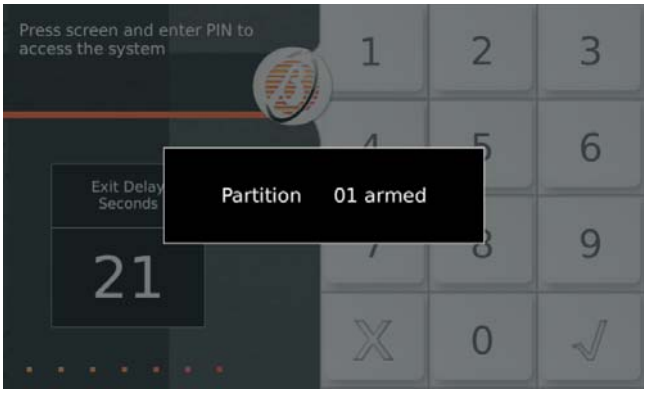
The display's central part lists Partitions common to the Keypad and to the PIN used to login and the Partition status.

- **Disarmed**, if the Partition is disarmed;
- **Away**, if the Partition is armed in Away mode;
- **Stay**, if the Partition is armed in Stay mode;
- **No Delay**, if the Partition is armed in Stay mode, without Entry and Exit Delay;
- **Al.**, if the Partition is in alarm status;
- **Al.M.**, if the alarm status has occurred in the past (memory);
- **Byp.**, if a zone of the partition is bypassed;
- **T.**, if one Zone of the Partition is being tested.

☞ *If a zone is being tested, contact your installer for more information.*

1. Press ▽ or △ to scroll the list, then press ☰ to view Arming Modes:

2. Press the desired Arming Mode to change Partition status:



The keypad goes to Standby when the operation selected is over.

■ Zone Status

This option allows you to view Zone status and bypass/include Zones.

☞ *On Grade 2 panels, only Master Users can bypass/un-bypass zones.*
On Grade 3 panels, only Super Users can bypass/un-bypass zones.

The display's central part lists the Zones of Partitions common to the Keypad and PIN used to access them.

The **Bypass**/**Resume** key is displayed for each zone (if the **Bypassable** option is enabled for that zone) and status, as shown in the following table.

X	***Test**: the zone CANNOT cause alarms but its activities are memorised in the Events Log; this can only be enabled/disabled by the Installer and is to check correct zone operations without causing undesired alarms; contact the installer.*
↻	***Bypassed**: the zone CANNOT cause alarms and its activities are NOT memorised in the Events Log.*
⚠	***Inactive**: the zone has not shown any signs of activity for some time; it might not operate regularly or its detector could be masked; contact the installer.*
!	***Alarm**: the zone has detected an intruder.*
⚠	***Low Battery**: the wireless detector battery enrolled on the zone must be replaced as soon as possible; contact the installer.*
	***Fault**: detector connections with the zone are short or interrupted; contact the installer.*
	***Masked**: (ONLY Grade 3 Control Panels) the detector connected to the zone is faulty (masked, etc.); contact the installer.*
	***Tamper**: the detector connected to the zone has been tampered with (open, detached from wall, etc.); contact the installer.*
	***Lost**: the wireless detector enrolled on the zone has not been communicating for some time; contact the installer.*
✓	***Standby**: the zone operates regularly.*

☞ *If several statuses are present at the same time, the icon for the status with highest priority is displayed.*

1. Press ▽ or △ to scroll the list.

2. Press **Bypass** to bypass the zone; press **Resume** to include the zone.

Zone Test Using the **Zone Status** option, you can verify the operation of the intrusion detectors and panic buttons, without setting off unwanted alarms, as described below.

☞ *Wireless zone testing is only possible within 15 minutes of powering the associated wireless device.*

1. Bypass the zones that you want to test.

2. Activate the bypassed zones: open doors/windows, move in front of the motion detectors, press the panic buttons, etc.

3. Make sure that the **Zone Status** window displays **Open** when you activate a zone.

4. Remember to unbypass the bypassed zones.

☞ *Zone test using a Touch keypad does NOT emit any sound, does NOT activate the siren connected to output 1 and does NOT store the result, so it must be performed by 2 people: one who activates the zone and the other who controls the result on the keypad.*

■ Events Buffer

This option allows you to view events memorised in the Log.

The display's left side lists the events, starting from the most recent. It shows:
- the day and month the event occurred;
- the symbol ▼ if an event has been restored;
- the name of the event.

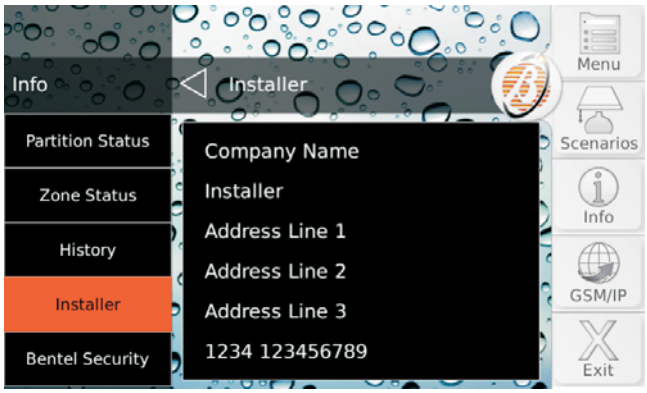
1. Press » if you just want to see events older than a certain date and time:

2. Select the desired date and time and press **Go to event**.

3. Press ▽ or △ to scroll the list, then touch the desired event to view details in the display's central part:
- the first row displays **Restore** if an event has been restored;
- the second row displays the **Name** of the event;
- the third row displays the **Date** of the event;
- the fourth row displays the **Time** of the event;
- the fifth row displays **Who** caused the event;
- the sixth row displays **Where** the event happened or **Why** it happened;
- the seventh row displays **Partitions** involved in the event.

☞ *Information displayed depends on the event.*

■ Installer



This option allows you to view the personal data of the installer, if programmed: ask your installer for more information.

■ Bentel Security

This option allows you to view some information about Bentel Security.

GSM/IP

Press:

- **GSM** to view information on the GSM Module, to check credit balance on the prepaid card inserted in the GSM Module, to read SMSs received by the GSM Module;
- **IP** to display the status and information related to the IP module;
- **APP** to view information on configuring the **ABSOLUTA App** to manage the control panel by iPhone and Android smartphone.

Read the relevant section for more information.

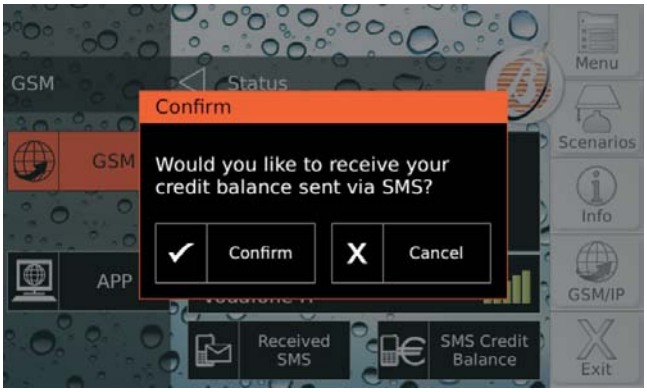
■ GSM

The display's central part shows:

- **SIM Number**, phone number of the SIM inserted in the GSM Module;
- **IMEI**, the GSM Module IMEI;
- **Provider**, name of the GSM operator;
- **Signal**, GSM signal intensity.

■ SMS Credit Balance

1. Press **SMS Credit Balance** to know how much credit is left in the card inserted in the GSM Module:

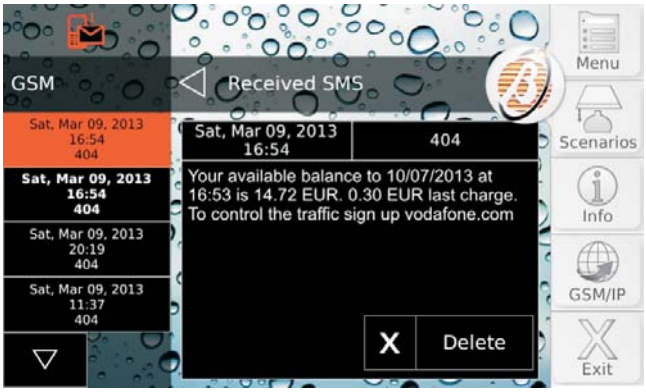


2. Press **Confirm** to confirm the request or **Cancel** to cancel it: the Control panel will send a request to the GSM operator to obtain the remaining credit.

When the Control Panel receives the remaining credit information message the icon in the upper lefthand corner of the display appears and the **Home** key blinks: read "Received SMS" for instructions on how to read SMS messages.

■ Received SMS

1. Press **Received SMS** to read massages received by the GSM Module:



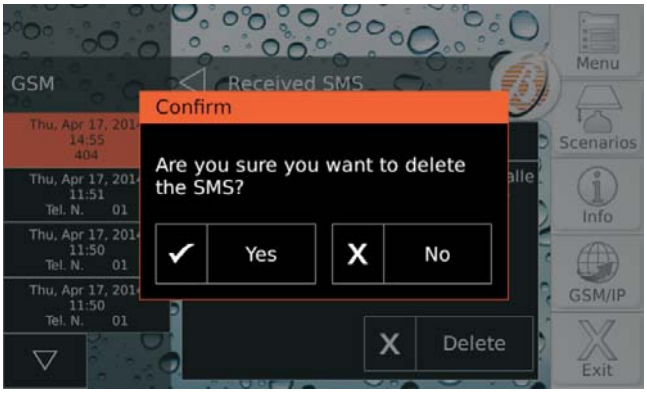
☞ *The option **Received SMS** CANNOT be used when the communicator is active and until it receives a response to a request for credit balance.*

The display's left side shows the list of messages received:
- showing the time and number that sent the message;
- if the number is found in the Control Panel Phone Book, the associated label is displayed;
- UNREAD messages are displayed in bold.

☞ *The GSM Module can memorise 32 messages. If a new message arrives when the GSM Module already contains 32 messages in its memory the oldest message is deleted to make room for the new message.*

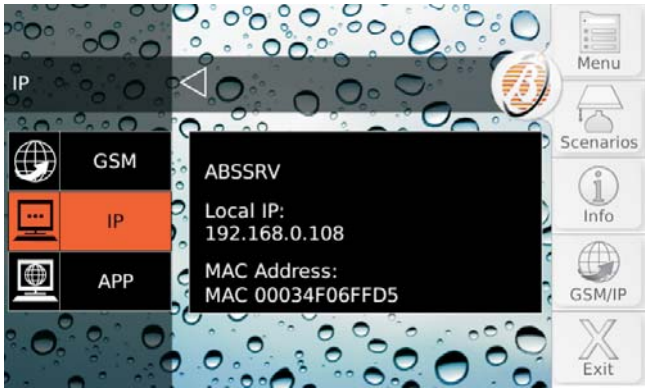
2. Press ▽ or △ to scroll messages then touch the message wanted to read its content in the centre of the display.

3. Press **Delete** to cancel the message.



4. Press Yes to confirm, and No to cancel.

■ IP



The central part of the display shows:
- **ABSSRV**, if the Absoluta[2] Server is enabled and accessible;
- **NO ABSSRV**, if the Absoluta Server is disabled;
- **ABSSRV FAULT**, if the Absoluta Server is NOT accessible;
- **Local IP**, the IP address of the IP Module;
- **MAC**, the MAC address of the IP Module.

■ APP

The display centre shows the control panel version (v3.50IP in the example above) and the Serial Number of the Control Panel (80003FD3 in the example above).

☞ *The information displayed depends on the Control Panel you own.*

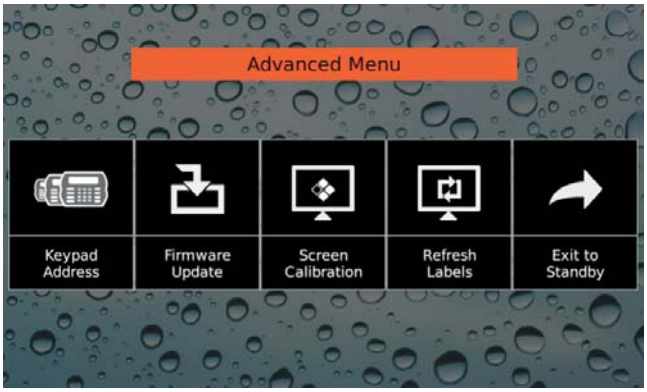
2 *The Absoluta Server supports the ABSOLUTA Plus control panel in access to the Internet services: remote service, event notification via e-mail and the ABSOLUTA app, connection of the ABSOLUTA app to the Control Panel. Ask your installer for more information.*

Screen Calibration

For the touchscreen to operate correctly, it must be calibrated as follows.

☞ *This operation must be done the first time the touchscreen is used and each time it does not respond to touch correctly.*

1. Hold down the **Home** key for at least 3 seconds but less than 10 seconds:



2. Press **Screen Calibration**:

3. Follow instructions on the display before 10 seconds have gone by or the keypad will go back to the previous step.

4. Press **Exit to Standby** to quit the **Advanced Menu**.

☞ *The other **Advanced Menu** items (**Keypad Address**, **Firmware Update** and **Refresh Labels**) are blocked because they are reserved for the installer.*

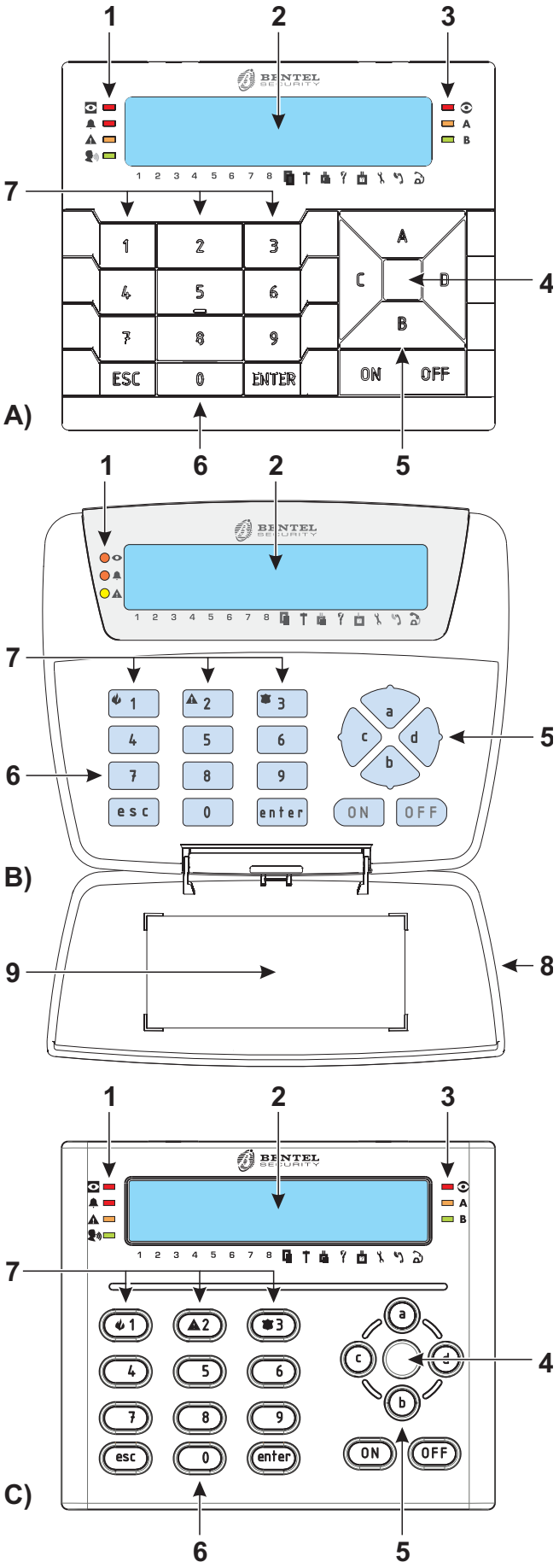


Figure 2 shows the main components of the ABSOLUTA Plus supported keypads:

P.	DESCRIPTION
1	*Function LEDs.*
2	*Display.*
3	*Proximity Reader function LEDs (refer to "OPERATING YOUR SYSTEM FROM A READER" section).*
4	*Proximity Reader sensitive field.*
5	*Arrow (scroll keys).*
6	*Keys.*
7	*Emergency Keys.*
8	*Down flip.*
9	*Label with the main operations.*

Figure 2 *ABSOLUTA Plus supported keypads:* ***A)*** *PREMIUM LCD,* ***B)*** *CLASSIKA LCD,* ***C)*** *ABSOLUTA T-Line.*

Adjusting Volume, Brightness, Contrast

■ Adjusting Buzzer Volume

The Buzzer, inside the LED and the LCD Keypad, will emit an audible signal each time a valid key is pressed and, if enabled by your Installer, will also signal:
the Exit Time (signalled by slow beeps), the Entry Time (signalled by fast beeps), errors or Invalid requests (signalled by a Buzz), request Accepted or Done (long beep), violation of a **Chime** zone, key/Card programming done, Auto-arm Timeout.

To adjust the volume of the internal buzzer:
1) Press and hold the **ESC** key; the internal buzzer will start sounding a series of beeps in such manner that the operator could hear the sound level in real time. Release the **ESC** key.
2a) To increase the volume, press the **A** key a number of times and/or hold until the desired level is obtained:
2b) To lower the volume, press more times and/or hold **B** key until the desired level is obtained.
3) To confirm the chosen level, press the **ENTER** key (or wait a few seconds for the keypad to return to the inactive state).

☞ *The buzzer will still emit sound alerts at extremely low volume, even if it has been set to zero.*

■ Contrast Adjustment

To adjust the contrast of the LCD display, press and hold:
- **C** to **decrease** contrast
- **D** to **increase** contrast

To confirm the selected levels, press **ENTER** (or simply wait a few seconds and the keypad will automatically return to the stand by status) (see the PREMIUM keypad manual for further information).

■ Brightness adjustment

It is possible to adjust the brightness of the keypad keys and the brightness of the backlighting of the display. It is also possible to adjust the inactive and the active brightness (the inactive brightness is the brightness to which the keypad reverts after 10 seconds of inactivity).
To adjust the active brightness, follow the procedure described below:

1a) To increase the brightness, press and hold the **A** key until the desired level is obtained.
1b) To lower the brightness, press and hold the **B** key until the desired level is obtained.
2) Press the **OFF** key to adjust the inactive brightness:
3a) To increase the brightness, press and hold down the **A** key until the desired brightness is reached;
3b) To reduce the brightness, press and hold down the **B** key until the desired brightness is reached.
4) Press the **ON** key to adjust the active brightness and return to step 1a), or press the **ENTER** key to confirm the chosen levels, or wait a few seconds for the keypad to return to the inactive state.

LEDs and signals on Keypads

The keypad signals the system status by its LEDs, display and internal buzzer: Table 4 on page 37 shows the meaning of the indicator LEDs on the Keypads.

During ***standby status***, the display top line shows the Date and Time, and the bottom line shows the message `Bentel Absoluta`[3]:

☞ *The upper line of the display reads* `SMS Received` *when the GSM Module receives an SMS message (See "Display SMS (3.4)" later in this chapter).*

When the keypad is in standby status, each time you press **ESC**, the temperature displays (see "Temperature display" on page 36) alternates with date and time displays:

If set by the installer, date and time is replaced by active zone labels. For more information, ask the installer.

From the standby status it is possible to access the visualization of the signals. For more information, see "View signals" on page 37.

From the standby status, you can perform basic operations. For more information, see "Basic commands" on page 40.

■ Temperature display

The keypad display shows the temperature that the wireless detectors measure (for more information about the wireless detectors that support temperature measurement, ask your installer):

- the top line shows the temperature measured by indoor wireless detectors
- the bottom line shows the temperature measured by the outdoor wireless detectors

If there are no wireless detectors connected to the system that can measure the temperature, two dashes display on the keypad.

3 *Bentel Absoluta is the default message. The user can ask the installer to change this message.*

☞ *If there are multiple wireless detectors that can measure the temperature, the average temperature displays on the keypad for each category.*

☞ *The keypad shows the average temperature for all the wireless detectors that connect to the system, regardless of the keypad's partitions, and the detector's partitions.*

■ View signals

The LED ⚠ indicates a signal (alarm, tampering, fault or zone bypass).
If all signals have ended, the LED ⚠ blinks to indicate that signals have occurred (memory).

☞ *If the keypad has the **EN50131** option enabled, the LED ⚠ ONLY displays system status when ALL keypad partitions are disarmed: ask your installer for more information.*

To view these signals, from keypad standby status, enter your user PIN (default **0001** for Grade 2 control panels and **00001** for Grade 3 control panels) and then press the **ENTER** key.

```
*FAULT!  001/002
Default Date
```

- the top line shows the type of signal, and the number of signal you are viewing followed by the total number of signals for that type;
- the bottom line shows the description of the signal.

☞ *A flashing asterisk indicates that the event is no longer present (event memory).*

Press **A** or **B** to navigate through the signals:

```
 FAULT!  002/002
Panel NO batt.
```

☞ *For some signals, the keypad does not show any description in the viewing signals mode: you can find this information in the logger.*

Press **ENTER** or **ESC** to navigate between the types of signals:

- Alarms
- Tamper
- Troubles (Table 14 on page 78 describes the meaning of the messages)
- Bypassed zones
- Active zones
- Partition status (see "View partition status" on page 38)
- User Menu (see "Accessing the User Menu" on page 42)

```
TAMPER! 001/002
AS line
```

Press **OFF** to cancel the signals in a category (ONLY **Master User** with Grade 2 Control Panels and Alarms in Grade 3 Control Panels or **Super User** with Grade 3 Control Panels).

Press **0** (zero) to reset the BPI bus when viewing tampers and faults.

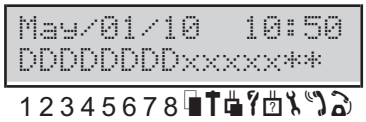
☞ *The keypad returns to the standby status 30 seconds after you press the last key.*

LEDs		DESCRIPTION
👁	**OFF**	*All the keypad Partitions are Disarmed.*
	ON	*At least one of the keypad Partitions is Armed.*
	Slow Blinking	*During the selection of partitions.*
🔔	**OFF**	*NO alarms or Tamper active.*
	ON	*At least one Alarm or Tamper active.*
	Slow Blinking	*All Alarm Partition and Tampers are in memory (restored).*
⚠	**OFF**	*When the Keypad's Partitions are **disarmed**, it signals no info to communicate.*
	ON	*When the Keypad's Partitions are **disarmed**, it signals: Alarms, Tampers, Troubles, Bypassed Zones, if the Keypad is in **Standby Status**; Troubles, in the **View Partition Status** mode. When a Keypad's Partitions is **armed**, this LED is disabled.*
	Slow Blinking	*All troubles in memory (restored).*
The zone Alarm and Tamper events, signalled on the LEDs, refer to zones which belong to the keypad Partitions.		

Table 4 *LCD keypad.*

■ **View partition status**

The display shows the status of the partitions and other information, as you can see follow and in Figure 3:



➢ The **first 8** characters on the LCD bottom line show the status of the partitions (Table 5 on page 38).

☞ *The keypad shows only the status of the partitions common to the keypad and to the PIN used for access.*

☞ *The numbers below the display will correspond only to the first 8 partitions.*

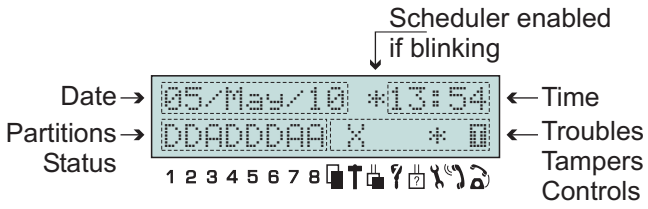


Figure 3 *The display of a LCD keypad during view partition status (MAIN PAGE).*

➢ The characters **n. 9 to 13** on the LCD bottom line show the trouble conditions (Table 6 on page 38).

➢ The **last three** characters on the LCD bottom line shows the status of installer access, the answering machine and the telephone line (Table 7 on page 38).

INITIAL	MODE	DESCRIPTION
A	**Away**	*The system will turn ON the perimeter and internal zones of the respective Partition.*
P	**Stay**	*The system will turn ON the perimeter zones of the respective Partition and will leave the internal zones OFF.*
Z	**Stay - 0 Delay**	*The system will turn ON the perimeter zones of the respective Partition and will leave the internal zones OFF, and will remove the Entry Time from zones which have one.*
D	**Disarm**	*The system will turn OFF the perimeter and internal zones of the respective Partition.*
t	**Test**	*At least one zone is in Test status for the relative partition.*
*	**Alarm Partition**	*The corresponding partition is in Alarm Status.*
!	**Alarm Memory**	*The corresponding partition has an Alarm in memory.*
If the partition is selected, the letters will blink.		

Table 5 *Arming/Disarming Partitions.*

ICON	SIGN	DESCRIPTION
	X	**ON** *Control panel Tamper (Control panel open or dislodged).*
		Blinking *Control panel Tamper has cleared but at least one Open Panel event in memory.*
T	X	**ON** *System Tamper.*
		Blinking *System Tamper has cleared but there is at least one System Tamper event in memory.*
	X	**ON** *Tamper on at least one peripheral device (keypad, reader, expander, or transceiver.*
		Blinking *Peripheral tamper has cleared but there is at least one peripheral tamper event in memory.*
	X	**ON** *A False Key/Card is present at a Reader.*
		Blinking *At least one False Key/Card event in memory.*
?	X	**ON** *A peripheral device (keypad, reader, expander, transceiver, or wireless device) has been disconnected.*
		Blinking *At least one Peripheral Trouble event in memory.*

Table 6 *Tamper signals.*

ICON	SIGN	DESCRIPTION
	*	**OFF** *Installer Disabled.*
		ON *Installer Enabled.*
	P	**Blinking** *PIN Transfer Enabled.*
	*	**OFF** *Answerphone facility Disabled.*
		ON *Answerphone facility Enabled.*
		OFF *Line Free.*
		ON *Line Busy.*
		Blinking *Line Down.*

Table 7 *Other signals.*

During the *view partition status* it is possible to perform the basic operations.

Press **D** and **C** to scroll the keypad's partitions, or press the number corresponding to the desired partition.This feature is available for only the first eight partitions.

- the top line of the display shows the label of the selected partition;
- on the bottom line of the display, the flashing character represents the status of the selected partition.

☞ *If you enable the keypad and the access PIN on partitions above the partition number 8, the display uses the characters from number 9 to number 16 on the bottom line to show the status of the partitions.*

Press:
- **OFF** to **Disarm** the Partition;
- **ON** to **Arm** the Partition in **Away Mode**;
- **A** then **ON**, to **Arm** the Partition in **Stay Mode**;
- **B** then **ON**, to **Arm** the Partition in **Instant Stay Mode**.

Super keys

If your installer has set up the 3 super keys (**1**, **2** and **3**), you will be able to operate your system from the keypad, without using PINs, by press and hold key 1, key 2, or key 3 for at least 3 seconds: an acoustic signal indicates that the command is sent.

☞ *The actions that the super keys trigger depend on the control panel programming. For more information, ask your installer.*

Basic commands

You can control seven basic commands from standby status by typing-in your PIN and pressing the respective keys (refer to the following Table). Access to ALL commands require entry a valid User PIN.

⚠ **The Factory Default Master User PIN (0001 for Grade 2 Control Panels and 00001 for Grade 3 Control Panels) must be changed for security reasons (refer to "Change my PIN" in this section).**

Key sequence (from standby status)	COMMAND
<PIN> OFF	*Disarm*
<PIN> ON	*Arm*
<PIN> A+ON	*A Mode Arm*
<PIN> B+ON	*B Mode Arm*
<PIN> C+ON	*C Mode Arm*
<PIN> D+ON	*D Mode Arm*
<PIN> ENTER	*View Area status, if there are no Troubles. From the View Area status or Trouble screen, press **ENTER**, to access the User menu.*

☞ *Commands will affect **only** the Partitions common to both the User PIN and Keypad concerned (common Partitions).*

Invalid commands will be signaled by a buzz and the following message:

```
May/26/10 13:54
Invalid PIN!
```

Invalid commands may be due to the User PIN Keypad Partitions.

☞ *If you do not press a key within 30 seconds, the keypad will revert automatically to standby status except during the input of the PIN. If the input is not completed the display keypad will show "WRONG PIN", after one minute.*

The User can **ENTER** the following commands at the Keypad.

■ Arming (<PIN> ON)
This command will Arm all the common Partitions of the User PIN and the Keypad concerned.

If a Exit Delay is set, the keypad will signalize it on the display and the buzzer will emit a series of beep.

When the control panel is armed, each time you press **ESC**, the temperature displays (see "Temperature display" on page 36) alternates with date and time displays.

■ Disarming (<PIN> OFF)
This command will Disarm all the common Partitions of the User PIN and the Keypad concerned.

Disarm under Duress (PIN with Duress option enabled). This command requires entry of a **Duress PIN**. The Control panel will Disarm the Partitions and will send the programmed Alarm calls but will not signal the outgoing calls on the Keypad (usually signalled by a over the icon).

☞ ***DURESS** PINs are for forced disarming (disarming under threat). The Duress PIN will disarm the system and activate the Digital Communicator— that will call the Central Station, and dialler—that will send recorded voice messages to the programmed telephone numbers.*

Disarm by Patrol PIN If a Patrol PIN (PIN with Patrol option enabled) is used to Disarm the Partitions; the Control panel will rearm the Partitions automatically when the programmed Patrol Time expires.

☞ *PATROL PINs are enabled for Global arming / disarming. PATROL PINs can disarm partitions temporarily. Partitions disarmed by a PATROL PIN will be rearmed automatically when the programmed Patrol time elapses.*

Multi-PIN/Key Disarming If the installer has programmed the multi PIN/Key disarming for a Partition, you need to enter/use the number of programmed PINs/Keys to disarm the Partition, before the programmed time expires, as follow (read also the same paragraph on "Key operations").

1. Enter a valid PIN then press **OFF** or use a valid Key:

```
Required others
PINs or Keys
```

2. Press ESC or wait for the display message `Enter PIN`, before enter another valid PIN, then press **OFF**, or use another valid Key: the display shows the following message if no other PIN/Key is required

```
 PANEL
 DISARMED
```

   otherwise shows the following message

```
Required others
PINs or Keys
```

3. Press **ESC** or wait for the display message `Enter PIN`, before enter another valid PIN, then press **OFF**, or use another valid Key: the Partitions disarm

```
 PANEL
 DISARMED
```

■ **A, B, C and D Arming (<PIN> A, B, C or D + ON)**

☞ *DO NOT assign Duress PINs to A, B, C or D Mode Arming commands.*

Each user PIN can be set up to manage four different Arming mode configurations: **A**, **B**, **C** and **D**. These configurations determine the Partitions that will Arm, and those that will Disarm when an **A**, **B**, **C** or **D** Mode command+**ON** to confirm the choise, is entered at a Keypad, (the final configuration depends on the User PIN and Keypad Partitions).

☞ *Keypads can operate ONLY on the Partitions they are assigned to.*

☞ *You can Arm/Disarm the Partitions separately using a 6-digit User PIN, as follows: — type in a 6-digit User PIN followed by the 2-digit ID number of the Partition concerned , then press **ON**, **OFF**, **A**, **B**, as required. **Example**: If the 6-digit User PIN is **135790**, and you want to Arm Partition **13** in Away Mode, type-in **13579013** then press ON. If you want to Disarm Partition 13, using the same PIN, type-in **13579013** then press **OFF**. If you enter 13579013 then press **A**, **B**, Partition 13 will Arm in accordance with the respective configuration.*

■ **Arming Block Conditions**
The display shows a screen like this one if there are any conditions that prevent partition arming:

```
Battery trouble
Execute anyway ?
```

If more block conditions are present, the keypad displays them by rotating through the conditions every 2 seconds.

At this point you can do one of the following:

a) Press the **ENTER** key and anyway perform the arming request of control panel;

b) press the **ESC** key to cancel the arming request.

☞ *Based on the keypad function mode (EN50131 enabled/disabled) some blocking conditions CANNOT be forced: read "APPENDIX > Arming Block Conditions" for more information.*

Some blocking conditions can be solved by the user, others require installer intervention.

■ **Silencing Alarm Devices**
The quickest way to silence alarm signaling devices (sirens and flashers) is to disarm the system.

☞ *This operation will not interrupt the ongoing Alarm call, or end the Alarm call cycle. Therefore, it will be necessary access the User Menu (access allowed to Master User PINs only), and stop the Alarm calls, via the 'Clear Call Queue' option.*

Tamper events, which occur when the system is disarmed, can be silenced via the "Reset Alarm" and "Output ON/OFF" option from the User Menu (access allowed to Master and User PINs).

For further information, refer to "Using Digital Keys/Cards".

■ **Wrong PIN**
If a wrong PIN is entered, on a **LCD keypad** the display will show an error message.

```
May/14/10 10.50
WRONG PIN
```

After a few seconds the keypad come back in the "**standby status"** and the right PIN can be entered again.

☞ *After 10 wrong entries the LCD keypad will lock for 90 seconds.*

On Grade 3 panels, the keypad locks for 90 seconds if 3 consecutive invalid PINs are entered.

```
Keyboard Locked
Invalid PINS!
```

User Menu Structure

The operations allowed are dependent on the user type assigned by the installer, as shown in the following table.

TYPE	OPTIONS	Super User[1]	Master User	Normal User	Limited User
Action 1.1	*Alarm Reset*	Yes	Yes	Yes	Yes
Action 1.2	*Extratime request*	Yes	Yes	Yes	
Action 1.3	*Clear Call queue*	Yes	Yes	Yes	Yes
Action 1.4	*Teleservice request*	Yes	Yes		
Action 1.5	*Alarm Signal test*	Yes	Yes	Yes	
Action 1.6	*Output ON/OFF*	Yes	Yes	Yes	
Action 1.7	*Arming*	Yes	Yes		
Action 1.8	*Zone Test*	Yes	Yes[2]		
Action 1.9	*Clear Fault/Tamper*	Yes	Yes		
Program 2.1	*ON/OFF Answering*	Yes	Yes		
Program 2.2	*ON/OFF Installer*	Yes	Yes		
Program 2.3	*ON/OFF AutoArm*	Yes	Yes		
Program 2.4	*Date/Time*	Yes	Yes		
Program 2.5	*PIN Programming*	Yes	Yes		
Program 2.6	*Telephone Number*	Yes	Yes		
Program 2.7	*Change my PIN*	Yes	Yes	Yes	
Program 2.8	*ON/OFF Level 3[1]*		Yes		
Program 2.9	*Disable Key*	Yes	Yes		
View 3.1	*View LOG*	Yes	Yes	Yes	Yes
View 3.2	*Zone Status and Bypass[3]*	Yes	Yes	Yes	Yes
View 3.3	*GSM Module Status*	Yes	Yes	Yes	
View 3.4	*Display SMS*	Yes	Yes	Yes	
View 3.5	*IP Module Status*	Yes	Yes	Yes	
View 3.6	*ABSOLUTA INFO*	Yes	Yes		

1) Available ONLY on Grade 3 Control Panels.

2) NOT possible with Grade 3 Control Panels.

3) On Grade 2 panels, only Master Users can bypass/un-bypass zones.
On Grade 3 panels, only Super Users can bypass/un-bypass zones.

☞ *Partition mask for the User is programmed by the Installer, not by the Master User, who can only enable/disable a User, not create a new one (see procedure 2.5).*

Accessing the User Menu (<PIN> ENTER)

Enter a valid User PIN then press **ENTER** to View, if present, the Troubles, or Zone alarms, Tamper events, Alarm memories, press more time **ENTER** to access the User menu. The User menu will allow Users to access ONLY the options they are enabled: see “User Menu Structure”.

☞ *You can access the User Menu also with Armed Partitions.*

Press **1**, **2** or **3** to select the section **ACTION**, **PROGRAM** and **VIEW** of the USER MENU.
Press **A** and **B** to scroll the options then press ENTER to select the displayed option.
Press **ESC** to return one level.

☞ *Several Users can access the menu at the same time from different keypads.*

The User menu provides the following options in three sections: ACTION, PROGRAM and VIEW.

❒ **ACTION**
- Alarm Reset
- Extra Time request
- Clear call queue
- Teleservice request
- Alarm signals test
- Outputs (ON/OFF)
- Arm Part.
- Zone Test
- Clear Fault/Tamp

❒ **PROGRAM**
- ON/OFF Answering
- ON/OFF Installer
- ON/OFF Auto-arm
- Date/Time
- PIN programming
- Telephone number
- Change my PIN
- Disable key

❒ **VIEW**
- View LOG
- Zone status and Bypasses
- GSM Module Status
- Display SMS
- IP Module Status
- ABSOLUTA INFO

☞ *At default, only the User PIN nr. 1 is Available and Active and it is **0001** for Grade 2 Control Panels and **00001** for Grade 3 Control Panels.*

☞ *The operations regarding the Partitions and the Zones, will have effect ONLY on the Partitions and Zone’s Partitions, assigned both to the used Keypad and PIN.*

☞ *Press **ESC** to step back to the User menu or wait for 3 minutes.*

Action

■ **Alarm Reset (1.1)**
This option will allow you to restore all Alarm signaling devices to Standby, and delete the Zone and Partition Alarm memories.

☞ *The Control Panel can be programmed by the installer to Reset the Alarm Memory automatically, when armed.*

☞ *Alarm Memories can only be Reset automatically with a Master User PIN, on arming*

1. Press **A** or **B** to view the **ALARM Reset** option:

☞ *The number 1.1 on the display indicates the section (ACTION) and ALARM Reset is the No. 1 option (and so on).*

2. Press **ENTER** to perform the **ALARM Reset**:

3. Press **ENTER** again to execute the option or **ESC** to go back. Press **ESC** to return to the User menu.

If Alarm signalling persists after the **Alarms Reset** option, the causes of persistent Alarms must be cleared immediately.

☞ *While you are viewing the list of Alarm zones, you can press **OFF**: the keypad directly will manage the previous procedure of "Alarm Reset".*

☞ *A Master User PIN ONLY can restore all Alarms and Tampers and delete all Alarm and Tamper memories.*

■ **Extra Time Request (1.2)**
If the Auto-arm option is enabled, and the system is programmed to Arm automatically at a preset time, the Extra Time request will allow you to postpone the Auto-arming event of 1 hour.

☞ *If any of the Partitions concerned is unable to implement the Extra Time request, the Keypad will emit an audible error signal (Boop).*

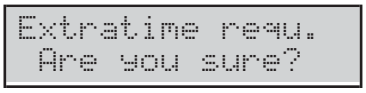
You can require up to 3 Extra Time Request in a day, to add further time to stay in the protected area.

☞ *If the extra-time request shifts arming to the day after the scheduled day, the installer must have set automatic arming for that day as well, otherwise automatic arming is NOT executed.*

☞ *If the Auto-Arm option has been disabled (refer to "Auto-arm Enable/Disable" in this section), the Overtime request will be ignored, however, the keypad will still emit a beep.*

1. Press **A** or **B** to view the **Extratime requ.** option:

2. Press **ENTER** to select the option:



3. Press **ENTER** to confirm:

Acceptance of the Extra time Request will be confirmed by an audible feed back signal and the above message.

4. Press **ESC** to step back to the User menu.

■ Clear Call Queue (1.3)

If your Installer has programmed your Control panel to send Alarm calls, it will call the programmed telephone numbers each time an Alarm occurs. In the event of a False Alarm, this command will allow you to interrupt the ongoing call, and clear the call queue.

☞ *Limited User PIN's can ONLY delete calls generated by Events from their Areas, while Main User PIN's can ALSO delete events from the system if enabled to do so by the Installer.*

☞ *Disarming with a Main User PIN automatically deletes the calls in the queue, if enabled to do so by the installer.*

1. Press **A** or **B** to view the **Clear call queue** option:

```
 USER          1.3
Clear call queue
```

2. Press **ENTER** to select the option:

```
Clear call queue
 Are you sure?
```

3. Press **ENTER** to confirm:

```
Clear call queue
 Done !!
```

4. Press **ESC** to step back to the User menu.

■ Teleservice Request (1.4)

If your Installer has set up this facility, this command will allow you to request on-line assistance remotely (maintenance that does not require components or wiring).

1. Press **A** or **B** to view the **Teleser. request** option:

```
 USER          1.4
Teleser. request
```

2. Press **ENTER** to select the option:

```
Teleser. request
 Are you sure?
```

3. Press **ENTER** to confirm.

■ **Alarm Signals Test (1.5)**
This option will allow you to test the proper working order of the alarm signaling devices.

When you select this option, the panel output n. 1 (generally connected to the external siren) is activated for 3 seconds and the voice messages and/or the reporting codes are sent to the telephone numbers assigned to the **General System Alarm** event (ask to your installer for more information).

☞ *If on output no. 1 there is a wireless siren, the alarm signals test cannot activate the siren.*

1. Press **A** or **B** to view the **Alarm sign. test** option:

```
 USER          1.5
Alarm sign. test
```

2. Press **ENTER** to select the option:

```
Alarm sign. test
 Are you sure?
```

3. Press **ENTER** to perform the Test.

```
Alarm sign. test
     Done !!
```

4. Press **ESC** to step back to the User menu.

■ **Outputs (ON/OFF) (1.6)**
This option will allow you to silence the Alarm Outputs (Sirens) and turn the appliances (sprinklers, lights, etc.) ON/OFF.

1. Press **A** or **B** to view the **OutputOFF=STOP** option:

```
 USER          1.6
OutputOFF=STOP
```

2. Press **ENTER** to turn the appliances ON/OFF and go to “Turn the appliances ON/OFF”, or:
➢ press **OFF** to silence the Alarm Outputs

```
 Silence ALL
 outputs ?
```

➢ press **ON** to resume the silenced Alarm Outputs

```
 Activate ALL
 outputs ?
```

3a Press **ENTER** to confirm and go back to step **1**.

Turn the appliances ON/OFF

3b. Enter the Identification Number of the required Output:

```
On/Off Output 04
```

4b. Press **ENTER**: the Keypad will emit a Boop, if the selected Output is NOT Reserved for appliance control, else shows

```
On/Off Output 04
label Output 04
```

5b. Press:
➢ **ON** to activate the Output

```
label Output 04
 Active now
```

➢ **OFF** to deactivate the Output

```
label Output 04
 Deactivated
```

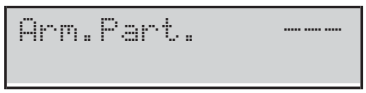
6b. Press **ESC** to go back to step **3b**.

■ **Arm Partition (Disarm) (1.7)**
This option will allow you to Arm or Disarm the Partitions one by one.

☞ *The single partition can be directly armed from Partition status (refer to "View Partition status (MAIN PAGE) on LCD Keypads").*

1. Press **A** or **B** to view the **Arm Part.** option:

2. Press **ENTER** to select the option:



3. Enter the Identification number of the required Partition:

4. Press:
- **ON** for **Away Arming**;

- **OFF** for **Disarming**;

- **A** for **Stay Arming**;

- **B** for **Zero Delay – Stay Arming**.

The keypad quits from the User Menu.

■ **Zone Test (1.8)**
This option will allow you to test the zones.

☞ *Wireless zone testing is only possible within 15 minutes of powering the associated wireless device.*

1. Press **A** or **B** to view the **Zone test** option:

2. Press **ENTER** to select the option:

3. Select the signal to activate in correspondence of the test of the zones.
- **1**: When you test the zone, the keypad emits a beep
- **2**: When you test the zone, the siren that connects to output no. 1 actives

☞ *The options 1 and 2 can be selected at the same time.*

4. Press **ENTER** to confirm.

5. Press **C** or **D** to select ALL the Zones relevant to a Partition (**Part=**) or the Zones individually (**Zone=**). Press **A** or **B** to select the required Partition/Zone.

6. Press **ENTER** to include in the test the selected Partition/Zone, then go back to step **5** to select another Zone/Partition or to next step to start the test.

7. Press **ON** to active the test.

In this phase, you can test the alarm and tamper on the selected Zones. You can see the test result on the keypad.

■ **Clear Fault/ Tamper (1.9)**
This option will allow you to delete the Zone and Partition Fault and Tamper memories and set all Alarm signaling devices to Standby.

☞ *If Alarm signal persists after a **Clear Fault/Tamp** command, the causes of persistent Alarms must be cleared immediately.*

1. Press **A** or **B** to view the **Clear Fault/Tamp** option.

2. Press **ENTER** to select the option:

3. Select **1** to delete Faults and/or **2** to delete Tampers, then press **ENTER** to confirm:

4. Press **ENTER** to delete Faults and/or Tampers (memories and active).

5. Press **ESC** to step back to the User menu.

☞ *From "Stand-by status" after entering the User PIN, if display shows Faults and/or Tamper, you can press the **OFF** key: the keypad directly will manage the previous procedure of "Clear Fault/Tamper".*

Program

■ **ON/OFF Answering (2.1)**
This option will allow you to turn ON/OFF the Answering device. If the Answering device is ON, the Control panel will answer incoming calls with a Voice message: your installer has recorded the required Voice messages for your system.

1. Press **A** or **B** to view the **ON/OFF Answering** option.

2. Press:
➢ **ON** to Enable the Answering device;

➢ **OFF** to Disable the Answering device;

➢ **ESC** to step back to the User menu.

☞ *If the Answering device facility is enabled, an ✳ will be shown on the display directly above the .*

■ **Enable Installer (Teleservice) (2.2)**

This **option** will allow you to Enable/Disable the Installer to access the panel **locally**, using the keypad (**Installer Level** -default) and **remotely**, by Teleservice calls, and PIN Transfer (ask the Installer).

☞ *The Installer CANNOT be enabled/disabled during a DTMF session.*

1. Press **A** or **B** to view the **ON/OFF Installer** option.

```
 USER          2.2
ON/OFF Installer
```

2. Press:

➢ **OFF** to disable the Installer access;

```
 Installer
 Disabled
```

➢ **ON** to enable the Installer access.

```
 Installer
 Enabled
```

3. If the Installer is enabled, press **ENTER** to proceed to the next step; otherwise, press **ESC** to return to the User menu.

```
 ON/OFF
 PIN Transfer
```

4. Press:

➢ **ON** to **enable** PIN Transfer

```
 PIN Transfer
 Enabled
```

➢ **OFF** to **disable** PIN Transfer

```
 PIN Transfer
 Disabled
```

5. Press **ESC** to return to the User Menu.

■ **Auto-Arm (2.3)**

Your Installer may have set up Partitions to turn ON/OFF at preset times (scheduler).

☞ *The Auto-Arm option will disarm the Partitions at set time, even if they are in alarm status.*

This option will allow you to turn the Scheduler ON/OFF. If ON, on the LCD keypads, a star (✳) will blink near the time.

1. Press **A** or **B** to view the **ON/OFF Auto Arm** option.

```
 USER          2.3
ON/OFF Auto Arm
```

2. Press:

➢ **ON** to Enable the Scheduler;

```
 Auto Arming
 Enabled
```

➢ **OFF** to Disable the Scheduler.

```
 Auto Arming
 Disabled
```

3. Press the **ESC** to step back to the User menu.

■ **Date/Time (2.4)**
This option will allow you to set the current Date and Time.

1. Press **A** or **B** to view the **Date/Time** option:

```
 USER          2.4
Date/Time
```

2. Press **ENTER** to select the option:

```
Date/Time
 mm/dd/yy hh:mm
```

3. Enter the new Date and Time, then press **ENTER** to confirm or **ESC** to quit, and step back to the User Menu.

☞ *The Date and Time option will NOT allow you to change the digits individually, therefore, you must enter the entire Date and Time. If you press **ENTER** before completion, the setting will be deleted.*

Date/Time format depends on the choice of language:
- **Italian** = dd/mm/yyyy hh:mm
- **English** = mm/gg/yyyy hh:mm
- **Others** = yyyy/mm/dd hh:mm

☞ *The date and time will be automatically adjusted if the installer has enabled this feature.*

■ **PIN Programming (2.5)**
This option will allow you to set, enable/disable the User PINs.

☞ *At default, ONLY the User PIN no. **1** is Enabled and it is **0001** for Grade 2 Control Panels and **00001** for Grade 3 Control Panels.*

The length of the PIN (4, 5 or 6 digits) and the programming mode (manual or automatic) depend on the programming of your panel (ask the installer).

1. Press **A** or **B** to view the **User PIN progr.** option:

```
 USER          2.5
User PIN progr.
```

2. Press **ENTER** to select the option:

```
User           001
User 001 Enabled
```

3. Press **A** or **B** to scroll the list of PINs: the display shows the User PIN status (Free, Enabled or Disabled).

```
User           002
User 002 Enabled
```

4. If you select a set (not Free) User PIN, you can press:
- **OFF** to disable the User PIN;
- **ON** to enable the User PIN;
- **ENTER** to set the PIN, and go to the step **6a** or **6b**.

```
User           003
User 003 Free
```

5. If you select a **Free** PIN, you can press **ENTER** and go to step **6a** or **6b**.

Manual PIN You can choose your own preferred PIN.

```
User           003
PIN
```

Enter the required PIN than press **ENTER**: the ✳ sign will mask the entered digits.

```
User           003
Again
```

Enter again the PIN than press **ENTER** and go back to step **3**.

Automatic PIN The Panel generates a random PIN for you.

☞ *The Automatic PIN does not allow Users to have the same PINs.*

Press **ENTER** to go back to step **3**.

Duplicated PIN If the existing PIN is entered at step **7a**, the display shows the message **Duplicated PIN**:

This means that the PIN was first used by another user: for security reasons, the PIN is disabled and the user is prompted to enter another PIN (**Press ESC**).

The PIN can be re-enabled by a Primary User as described above.

■ **Telephone Numbers (2.6)**
This option will allow you to change/delete the Telephone numbers.

1. Press **A** or **B** to view the **Telephone Num.** option:

2. Press **ENTER** to select the option:

3. Enter the Identification number of the required Phone number, then press **ENTER**:

➢ If you choose a **Digital Dialler** Phone Number, the display shows the following message.

☞ *You can set ONLY the **Voice Dialler** Phone Numbers, then press **ESC** and go back to step **3**.*

➢ If you choose a **Voice Dialler** Phone Number, the display shows the current number, or an empty field: the first digit will blink to indicate that it is ready for programming.

4. Enter the required Phone number:

➢ Use keys **0** through **9** to enter the Phone number;
➢ Press **A** to enter a long 4 seconds pause, indicated by the dash (-);
➢ Press **D** to enter a short 2 seconds pause, indicated by the underscore (_);
➢ Press **ON** to insert the star (*);
➢ Press **OFF** to insert the pound (#);
➢ Press **C** to cancel an entry error;
➢ Press **ESC** to cancel all characters.

☞ *DO NOT insert pauses in numbers dialled via GSM.*

5. Press **ENTER** to confirm the Phone number and go back to step **3**.

■ **Change My Pin (2.7)**
This option will allow you to change your PIN.

The length of the PIN (4, 5 or 6 digits) and the programming mode (manual or automatic) depend on the programming of your panel (ask the installer).

☞ *At default, ONLY the User PIN no. **1** is Enabled and it is **0001** for Grade 2 Control Panels and **00001** for Grade 3 Control Panels.*

1. Press **A** or **B** to view the **Change my PIN** option:

```
 USER          2.7
Change my PIN
```

2. Press **ENTER** to select the option. Please read the paragraph corresponding to the programming of your panel.

Manual PIN

```
 USER
new PIN
```

Enter the new PIN then press **ENTER**:

```
 USER
Again
```

Because the digits are masked by stars, enter again the PIN to avoid errors, then press **ENTER**: If the two PINs match, the keypad save the new PIN and go back to the User Menu, else it keep the old PIN and go back to step **3**.

Automatic PIN

```
Push ENTER for
your new PIN
```

Press ENTER:

```
your new PIN
PIN      04592
```

Save the PIN and press **ENTER**: the Keypad stores the new PIN and returns to the User Menu.

PIN Duplicated If the existing PIN is entered at Step 4b, the display shows the message PIN Duplicated:

```
 USER
PIN Duplicated
```

This means that the PIN was first used by another user: for security reasons, the PIN is disabled and the user is prompted to enter another PIN.

The PIN can be re-enabled by a Master User as described in PIN Programming (2.5).

■ **Enable/Disable Super User (2.8)**

This option is ONLY available with Grade 3 Control Panels.

This option will allow you to Enable/Disable the Super User.

1. Press **A** or **B** to view the **Level 3 En./Dis.** option:

```
 USER          2.9
Level 3 En./Dis.
```

2. Press:
- **OFF** to **disable** the Super User;
- **ON** to **enable** the Super User.

```
LEVEL 3 USER
    Enabled
```

3. Press the **ESC** to step back to the User menu.

■ **Enable/Disable Key (2.9)**
This option will allow you to Enable/Disable the Keys.

☞ *A Key can be Enabled/Disabled ONLY by PINs which operate the Partitions it is assigned to.*

☞ *Disabled keyfobs will continue to show the status of the system.*

1. Press **A** or **B** to view the **Dis/Ena.key** option:

```
 USER          2.9
Dis/Ena.Key
```

2. Press **ENTER** to select the option:

```
Key
1=WLS 2=BPI
```

3. Select the Key type to Disable/enable:
➢ Press **1** for keyfobs

```
WLS key        --
```

➢ Press **2** for Proximity (BPI) Keys

```
Key            ---
```

4. Enter the Identification Number of the Key to Disable/Enable, then press:
➢ **OFF** to disable the Key

```
Key           001
 Disabled
```

➢ **ON** to Enable the Key

```
Key           001
 Enabled
```

5. Press **ESC** to go back to step **4**.

View

■ **View LOG (3.1)**
You can view the event in the logger as follow.

1. Press **A** or **B** to view the **View LOG** option:

```
 USER          3.1
View LOG
```

2. Press **ENTER** to select the option:

```
View LOG
1=Last 2=since..
```

3. Press **1** to view the events from the last and skip to step **5** or, press **2** to view the events from a specific date and time:

```
Data/Time
 mm/dd/yy hh:mm
```

4. Enter the required Data and Time to start to view the events, then press **ENTER**:
➢ the display top line shows the order number of the event;
➢ the display bottom line shows the event description.

```
EV.0125
User entry
```

5. Press **A** and **B** to scroll the events. Press **C** and **D** to scroll the details of the event.

```
EV.0125 WHO
INSTALLER
```

The display top line shows the detail name on the right, as follow.
➢ **WHO**: depending on the event, the zone, the key (card/tag), the keyfob or the super key that had generated the event.
➢ **WHERE**: depending on the event, the Wireless Receiver, the RS232 port, the USB port, the Telephone Line, the System, the Panel, the Keypad, the Key reader, the Expander In, the Main Board, the Expander Out or the Power Station where the event occurred.
➢ **PARTIT.**: depending on the event, the involved Partitions.
➢ **WHEN**: the date and time when the event has occurred.

■ Zone Status and Bypass (3.2)

You can view the zone status (standby, alarm, tamper, short-circuit, bypassed, included) and bypass the zones as follow.

☞ *On Grade 2 panels, only Master Users can by-pass/un-bypass zones.*
On Grade 3 panels, only Super Users can by-pass/un-bypass zones.

1. Press **A** or **B** to view the **Zone Status** option:

```
 USER          3.2
Zone status
```

2. Press **ENTER** to select the option:

```
Zone status   ---
```

3. Select the required zone by entering its Identification number or scrolling by pressing **A** and **B**: the display bottom line shows the label of the selected zone.

```
Zone status 001
Zone          001
```

4. Press **ENTER**: the display bottom line shows the zone status as follow.

- **ST_BY**: the zone is in standby.
- **ACTIVE**: the zone is active.
- **OPEN**: the zone is open (tampered).
- **SHORT**: the zone is short-circuited.
- **FAULT**: the zone is faulty (only Grade 3 Control Panels).
- **WORKING**: the zone is operative (included).
- **BY-PASS**: the zone is bypassed.

```
Zone          001
ST-BY WORKING
```

5. Press:

- **OFF** to bypass the zone

```
Zone          001
 Bypassed now
```

- **ON** to include the zone

```
Zone          001
 Included
```

6. Press **ESC** to go back to step **3**.

■ GSM Module Status (3.3)

This option allows you to view the GSM Module's status.

1. Press **A** or **B** to view **GSM Status**:

```
 USER          3.3
GSM Status
```

2. Press **ENTER** to select the option:

```
GSM OK! ^:***
VODAFONE
```

The display shows the GSM Module's status on the top line, on the left, the GSM signal's strength on the right, and the name of the GSM operator on the bottom line, as described below.

- **GSM OK**: the GSM Module is working normally.
- **LinkLOST**: Network problem, no SIM**.**
- **FAULT**: GSM module problem.
- **Wrong FW**: firmware not compatible with Control Panel.
- **^**: no asterisks mean no GSM signal; three asterisks (***) mean that the GSM signal's strength is excellent.

3. If the GSM Module's status is OK, press **ENTER** to view the telephone number of the SIM card placed in the GSM Module:

```
Absoluta GSM num
+393328456789
```

☞ *If the display shows* `No number`*, contact the installer.*

4. Press **ENTER** to display the IMEI of the GSM Module:

```
IMEI:
123456789012345 6
```

5. Press **ENTER** to check on your remaining credit:

```
Pay AsYouGo Bal.
 Are you sure?
```

6. Press **ENTER** to confirm and the control panel will send an SMS message to check on the credit remaining:

```
Pay AsYouGo Bal.
  Please Wait
```

7. Read "Display SMS (3.4)" for the instructions on how read the SMS messages.

■ **Display SMS (3.4)**
This option allows you to read the SMS received by the GSM Module.

☞ *The option **Display SMS** CANNOT be used when the communicator is active and until it receives a response to a request for credit balance.*

☞ *The GSM Module can memorise 32 messages. If a new message arrives when the GSM Module already contains 32 messages in its memory the oldest message is deleted to make room for the new message.*

☞ *The control panel does NOT save SMS activating or deactivating events (#ABS#E#), disabling the PIN (#ABS#BLOCK#), requesting a check on the credit remaining (#ABS#C#), for the Partition Status request (#ABS#A#), for arming/disarming the Partitions (#ABS#A# or #ABS#AF#).*

1. Press **A** or **B** to show **Display SMS**.

2. Press **ENTER** to select the option.

```
SMS 01/01* From
404
```

The display shows:
- SMS x/n, where x is the message number displayed and n is the number of messages received,
- an asterisk (*) if the message has not been read and, on the lower line,
- the number that sent the message

☞ *If the number is memorised in the control panel phone book the number's label is shown.*

3. Press **A** or **B** to scroll messages then press **ENTER** to view message reception date and time:

```
SMS 01/01* Time
Mar/09/13  22:55
```

4. Press **ENTER** to view message text: the message starts scrolling automatically on the display's lower line:

```
SMS 01/01* Text
your credit
```

5. Press:
- **C** to block automatic scrolling and to scroll the message manually from right to left;
- **D** to scroll the message manually from left to right.
- **ON** to start automatic scrolling again from left to right;

6. Press **OFF** to delete the message:

```
SMS 01/01* Text
Delete SMS?
```

7. Press **ENTER** to confirm and return to step **3** or **ESC** to cancel and return to step **4**.

■ **IP Module status (3.5)**
This option allows you to view the IP Module's status.

1. Press **A** or **B** to view **IP Status**:

```
 USER          3.3
IP Status
```

2. Press **ENTER** to select the option:

```
ABSSRV
 192.168.0.115
```

The display shows the Absoluta[4] Server status on the upper row :
- **ABSSRV** if the Server is enabled and obtainable;
- **NO ABSSRV** if the Server is disabled;
- **ABSSRV FAULT** if the Server is NOT obtainable.

Shows the Module IP address on the lower row.

```
  IP:   LinkLOST
```

If there are problems, the display shows on the upper row IP: and, on the right:
- **LinkLOST** if the Module cannot see the LAN network;
- **FAULT** if the Control Panel cannot see the Module;
- **Wrong FW** if the module firmware is not compatible with the Control Panel;
- **DISABLED** if the module is disable.

3. Press **OFF** or **ON** respectively to disable or enable the Module:

```
  IP:   DISABLED
          OK!
```

When the Module is disabled the display shows IP: DISABLED on the upper row and OK! on the lower row, if there are no problems, or the aforementioned problems.

4. If the Module is enabled and there are no problems, press **d** to display its MAC address:

```
   ABSSRV
MAC 123456789012
```

4 *The Absoluta Server supports the ABSOLUTA Plus control panel in access to the Internet services: remote service, event notification via e-mail and the ABSOLUTA app, connection of the ABSOLUTA app to the Control Panel. Ask your installer for more information*

■ **ABSOLUTA INFO (3.6)**

This option allows you to view information on configuring the **ABSOLUTA App** to manage the control panel through iPhone and Android smartphone.

1. Press **A** or **B** to view **ABSOLUTA INFO**:

2. Press **ENTER** to select the option:

The line above of display shows the control panel version (v3.50IP in the example above), the line below shows the serial number of the control panel (12345678 in the example above).

☞ *The information displayed depends on the Control Panel you own.*

The Digital Keys will allow you to perform all the basic operations from enabled Readers.

The Reader

Readers have 3 light indicators: Red, Amber and Green.

☞ *To comply with EN50131, 30 seconds after every arming/disarming, the 3 light indicators will be switched off to "hide" the control unit status.*

EN *In order to comply with the EN50131-1 and EN50131-3 standards, **EN50131** option must be enabled (ask your installer).*

The ABSOLUTA Plus control panel supports the following Readers.

- **ECLIPSE2** Proximity Reader (Figure 4b): it has a *sensitivity field* where you must held the Key to perform the required operation.
- **PROXI2** Proximity Reader (Figure 4d): like the ECLIPSE2 Reader, it has a *sensitivity field* where you must held the Key to perform the required operation.
- Proximity Reader integrated on the **PREMIUM** (Figure 4e) and **T-LINE** Keypads: these Keypads have built in Proximity Reader able to detect a Key held in its *sensitivity field*.

ABSOLUTA Plus manages up to 32 Readers. The Installer will program the following options for each Reader:

- The Partitions the Reader can control (Reader Partitions);
- **A** Mode Arming (AMBER);
- **B** Mode Arming (GREEN).

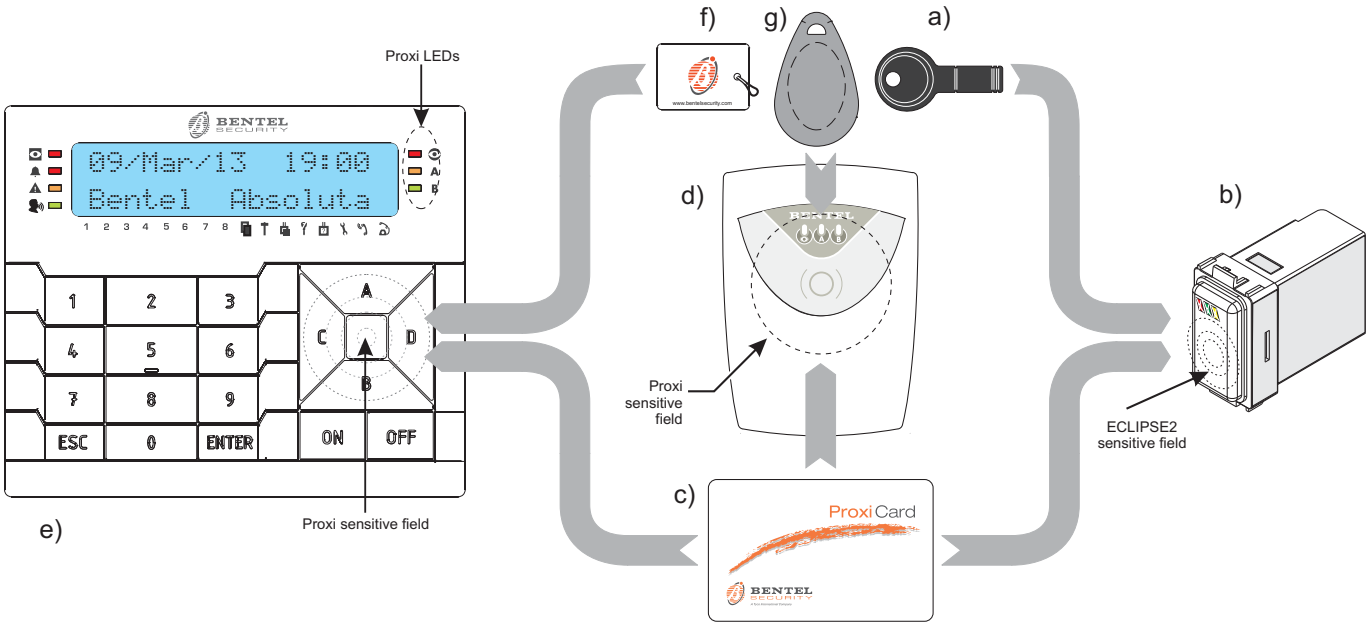


Figure 4 ***a) SAT 2*** *Digital key,* ***b) ECLIPSE2*** *key reader,* ***c) PROXI-CARD*** *card,* ***d) PROXI2*** *reader,* ***e) PREMIUM LCD*** *keypad;* ***f) MINIPROXI*** *Tag;* ***g) PROXI-TAG*** *Tag.*

The Digital Key

The ABSOLUTA Plus control panel supports the following digital keys.

- **SAT2** Proximity Key (Figure 4a).
- **PROXI-CARD** Card (Figure 4c).
- **MINIPROXI** Tag (Figure 4f).
- **PROXI-TAG** Tag.

When you present a Key to the Reader's sensitivity field, you can perform the operations described in this section.
Each Key has a random code, selected from over **4 billion** combinations, that ensure an high security grade.
Your Installer, during the programming phase, enrolls the Keys that you can use on the system and assigns their a label to identify the relative user: in this way you can recognize in the Event Logger, who does what.
The ABSOLUTA Plus control panel supports up to **250** Keys.
Also the Keys are programmed to operate on specific Partitions, as per the Readers.

☞ *In this manual, the word **key** refers to the SAT2 key, the PROXI-CARD card and the MINI-PROXI tag and, the word **reader** refers to the ECLIPSE2 and PROXI2 readers and the proximity reader inside the PREMIUM Keypad, unless otherwise stated.*

The Reader's Light Indicators

The Readers have 3 light indicators that operate depending if the Key is present on the Reader or not.

■ **Key at Reader**
When a Key is detected by the Reader, the light indicators will signal as follows.

- **Fast Blinking on ALL the Light Indicators**: this will occur when a False Key is present at the Reader.
- **Slow Blinking on ALL the Light Indicators**: this will occurs when not programmed keys with PATROL option is near the sensitive field of Reader for more than 10 seconds, or until all three LEDs start slow Blinking, and no Arming/Disarming operation shall be performed.
- **RED Light Indicator ON**: the system will Arm when you remove the Key from the Reader.
- **RED Light Indicator blinking**: arming blocking conditions has been detected.
- **AMBER Light Indicator ON**: the system will arm in **A Mode** when you remove the Key from the Reader.
- **AMBER Light Indicator blinking**: **A Mode** arming blocking conditions has been detected.
- **GREEN Light Indicator ON**: the system will arm in **B Mode** when you remove the Key from the Reader.
- **GREEN Light Indicator blinking**: **B Mode** arming blocking conditions has been detected.

■ **No Key at Reader**
When no Key is present at the Reader, the Light Indicators will signal as shown in the following table.

RED	AMBER	GREEN	DESCRIPTION
OFF	OFF	OFF	*The system is **Disarmed**.*
ON	OFF	OFF	*At least one Reader's Partition is **Armed**.*
ON	**ON**	OFF	*The system is armed in **A** mode.*
ON	OFF	**ON**	*The system is armed in **B** mode.*
Fast flash on RED LED indicates a running alarm			
Slow flash on RED LED indicates an alarm memory			

The Partitions that are not controlled by the Reader will not affect the Light Indicators.

☞ *The Installer can program the Reader's Light Indicators to signal the System status at all times, or alternatively, only in response to a Valid Key (Light Indicators OFF when no Key is present, comply with EN50131).*

Multiple Systems

The Keys can be programmed (by the Installer) to operate on more than one System, and to manage different Partitions on each System.

Key operations

The Keys can:

- **No Action**
- **Disarm**
- **Away Arm**
- **Arm — A Mode**
- **Arm — B Mode**
- **Patrol Disarm**
- **Automation and Access Control**

■ **No Action**
This operation keeps the Partitions' status as the one that was theirs before the Key was brought close to the Reader.

1. Hold the Key near the sensitive field of the Reader.

2. Remove the Key when ALL the light indicators are blinking slowly (about 10 seconds): in **EN50131** mode, the Reader will show the Areas' status momentarily.

■ **Disarm**
This operation will Disarm all the Partitions common to both the Digital Key and Reader in use.

1. Hold the Key near the sensitive field of the Reader: the **Green** light indicator will blink briefly to show that the Partitions have been disarmed.

2. Remove the Key when ALL the light indicators turn OFF (Figure 5a).

☞ *During the programming phase, the Installer can enable or not the Key to clear the Partition calls or Control Panel calls when the system will be disarmed.*

Multi-PIN/Key Disarming If the installer has programmed the multi PIN/Key disarming for a Partition, you need to enter/use the number of programmed PINs/Keys to disarm the Partition, before the programmed time expires, as follow (read also the same paragraph on “Basic (Arming) Commands”.

1. Enter a valid PIN then press **OFF** or hold a valid Key near the sensitive field of the Reader: the **Green** light indicator blinks few seconds, then the **Red** light indicator turns ON indicating that you need to use another PIN/Key to disarm the Partitions.

2. Press **ESC** or wait for the display message Enter PIN, before enter another valid PIN, then press **OFF**, or hold another valid Key near the sensitive field of the Reader: the **Red** light indicator turns OFF indicating the Partition disarming otherwise, the **Green** light indicator blinks few seconds and the **Red** light indicator stay ON, indicating that you need another PIN/Key to disarm the Partitions.

3. Press **ESC** or wait for the display message Enter PIN, before enter another valid PIN, then press **OFF**, or hold another valid Key near the sensitive field of the Reader: the **Red** light indicator turns OFF indicating the Partition disarming.

■ **Away Arm**
This operation will Arm all the Partitions common to both the Key and Reader in use.

1. Hold the Key near the sensitive field of the Reader.

2. Remove the Key when the **Red** indicator light turns ON (Figure 5b).

☞ *If one of the programmed block conditions, for Arming, is active, you cannot Arm; the three light indicators, first, flash one at a time and then begin to flash all together.*

☞ *To comply with EN50131 for the Reader, all 3 light indicators will be switched off to “hide” the control panel status, if the relative option is enabled.*

■ **Arm — A Mode**
This operation will Arm and Disarm the Partitions in accordance with the **A Mode** Arming configuration (programmed by the Installer).

1. Hold the Key near the sensitive field of the Reader: the light indicators will light in turn (at 2 second intervals), as shown in Figure 5.

2. Remove the Key when the **Red** and **Amber** light indicators are ON (Figure 5c): at this point the system will Arm in **A Mode**.

☞ *When the Reader’s **EN50131** option is DISABLED, the **Amber** light indicator turns OFF when you remove the Key, if the Key’s Partitions does not match the Reader’s Partitions.*

For example: if a Key is assigned to the **Partition n. 1** and a Reader is assigned to the **Partitions n. 1 and 2**, the **Amber** light indicator turns ON when you hold the Key near the Reader; when you remove the Key from the Reader, **only the Partitions n. 1** arms in **A Mode** and the **Amber** light indicator **turns OFF**.

■ **Arm — B Mode**
This operation will Arm and Disarm the Partitions in accordance with the **B Mode** Arming configuration (programmed by the Installer).

1. Hold the Key near the sensitive field of the Reader: the light indicators will light in turn (at 2 second intervals), as shown in Figure 5.

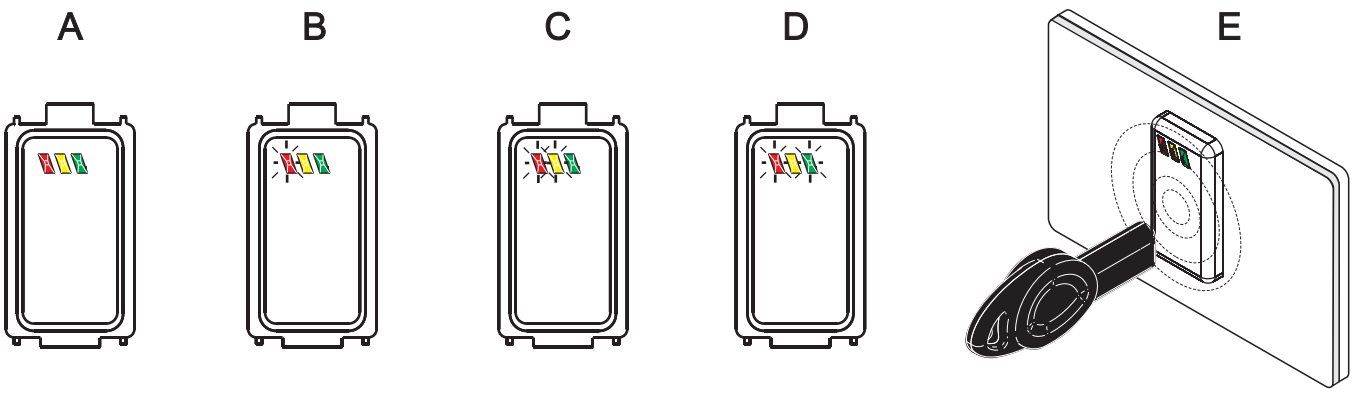


Figure 5 *Disarm/Arm from ECLIPSE2 reader.*

2. Remove the Key when the **Red** and **Green** light indicators are ON (Figure 5d): at this point the system will Arm in **B Mode**.

☞ *When the Reader's **EN50131** option is DISABLED, the **Green** light indicator turns OFF when you remove the Key, if the Key's Partitions does not match the Reader's Partitions.*

For example: if a Key is assigned to the **Partition n. 1** and a Reader is assigned to the **Partitions n. 1 and 2**, the **Green** light indicator turns ON when you hold the Key near the Reader; when you remove the Key from the Reader, **only the Partition n. 1** arms in **B Mode** and the **Green** light indicator **turns OFF**.

■ **Disarm Patrol**
Keys with the **Patrol** option can Disarm the system for the programmed Patrol Time.

■ **False Key**
When an unrolled (false) Key is present at the Reader, ALL the Reader's light indicators fast blinking.

☞ *After 10 consecutive attempts with false keys, tampering with the key reader is reported and no further attempts can be made for 90 seconds (the key reader is locked).*

On Grade 3 panels, after 3 consecutive attempts with false keys, tampering with the key reader is reported and no further attempts can be made for 90 seconds (the key reader is locked).

■ **Automation and Access Control**
The installer can program the Key Readers and Keys to perform automatic operations like opening gates and access control.

☞ *These types of Key Readers and Keys CANNOT perform arming and disarming operations.*

1. Hold the Key near the sensitive field of the Reader: the green light will turn on.

2. Move the Key away from the sensitive field of the Reader: the green light will turn off.

If your system is equipped with the transceiver, you can control all the main functions from remote locations using keyfobs supported by the control panel. This section describes the operations that the keyfob can perform.

The keyfobs that the ABSOLUTA Plus control panel supports are two way, and can show the status of the system.

Figure 6 shows the BW-RCH keyfob.

Part	Description
A	***Away Arming*** *button*
B	***Stay Arming*** *button*
C	***Disarming*** *button*
D	***Auxiliary*** *button*
E	***Transmission*** *LED*
F	***Status*** *LED*

■ **Away Arming**
Press the **Away Arming** button to arm the key-fob's partitions (see Table 8 on page 62). If the operation is successful, the LED above the button turns blue.

■ **Stay Arming**
Press the **Stay Arming** button to arm and disarm the keyfob's partitions as set for mode A (see Table 8 on page 62). If the operation is successful, the LED above the button turns blue.

EN *In accordance with the EN 50131-1 standard, the system does not arm if there is a low battery condition, when you perform an arming request: the external siren will emit a double squawk. You can verify the cause that inhibits the arming (low battery), through an LCD keypad, and force the arming: the external siren will emit a squawk to signal the arming.*

■ **Disarming**
Press the **Disarming** button to disarm the keyfob's partitions (see Table 8 on page 62). If the operation is successful, the LED above the button turns blue.

■ **Other functions**
When you press the **Auxiliary ✱** button, or press the **Away Arming** and **Stay Arming** buttons, for two seconds, depending on the installer setup (see Table 8 on page 62), the keyfob can perform the following operations.

- **No function**: no function is assigned to the **Auxiliary ✱** button.
- **Status**: the **Auxiliary ✱** button shows the status of the system on the keyfob, as described in "Status LED signals" on page 64.
- **Mode B arming**: the **Auxiliary ✱** button arms and disarms the partitions as set for mode B.
- **Super key**: the **Auxiliary ✱** button triggers the action programmed by the installer (see the Table 8 on page 62).
- **Mode B arming and super key Event**: the **Auxiliary ✱** button arms and disarms the partition as set for mode B, and triggers the action programmed by the installer (see the Table 8 on page 62).

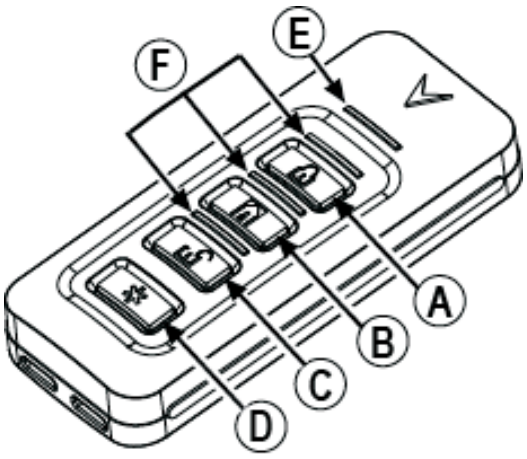


Figure 6 *BW-RCH keyfob.*

		Partitions																		
#	SN	Keyfob	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Button ✱	Button 🔓 + 🏠
1																				
		Mode A																		
		Mode B																		
2																				
		Mode A																		
		Mode B																		
3																				
		Mode A																		
		Mode B																		
4																				
		Mode A																		
		Mode B																		
5																				
		Mode A																		
		Mode B																		
6																				
		Mode A																		
		Mode B																		
7																				
		Mode A																		
		Mode B																		
8																				
		Mode A																		
		Mode B																		
9																				
		Mode A																		
		Mode B																		
10																				
		Mode A																		
		Mode B																		
11																				
		Mode A																		
		Mode B																		
12																				
		Mode A																		
		Mode B																		
13																				
		Mode A																		
		Mode B																		
14																				
		Mode A																		
		Mode B																		
15																				
		Mode A																		
		Mode B																		
16																				
		Mode A																		
		Mode B																		

Table 8 *keyfob list:* ***SN*** *= serial number;* ***A*** *= away arming;* ***P*** *= stay arming;* ***Z*** *= stay arming with zero delay;* ***D*** *= disarming;* ***N*** *= no operation.*

		Partitions																		
#	SN	Keyfob	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	Button ✱	Button 🔓 + 🏠
17																				
		Mode A																		
		Mode B																		
18																				
		Mode A																		
		Mode B																		
19																				
		Mode A																		
		Mode B																		
20																				
		Mode A																		
		Mode B																		
21																				
		Mode A																		
		Mode B																		
22																				
		Mode A																		
		Mode B																		
23																				
		Mode A																		
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24																				
		Mode A																		
		Mode B																		
25																				
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26																				
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		Mode B																		
27																				
		Mode A																		
		Mode B																		
28																				
		Mode A																		
		Mode B																		
29																				
		Mode A																		
		Mode B																		
30																				
		Mode A																		
		Mode B																		
31																				
		Mode A																		
		Mode B																		
32																				
		Mode A																		
		Mode B																		

Table 8 *keyfob list:* ***SN*** *= serial number;* A *= away arming;* P *= stay arming;* Z *= stay arming with zero delay;* D *= disarming;* N *= no operation.*

■ **Keyfob response**
When executing a command, the keyfob's transmission LED blinks red once to indicate transmission of the command to the control panel, then signals the outcome of the command as described in the Table 9.

■ **Sirens response**
If set by the installer, the success and failure of arming performed using the keyfob are indicated by the system's sirens as the following describes:
- a short activation of wired sirens indicate that the arming is successful
- two short activations of wired sirens, or three short activation of wireless sirens, indicates that arming is refused due to blocking conditions

For more info, see "Arming block conditions" on page 73.

☞ *Wireless sirens do not signal arming successful.*

■ **Status LED signals**
The blue LEDs above the keyfob buttons show the system status as the following table describes.

LED	Status
	***Away Armed**: at least one keyfob's partition is armed.*
	***Mode A Armed**: the keyfob's partitions are armed and disarmed as set for mode A.*
	***Disarmed**: all the keyfob's partitions are disarmed.*

■ **Low Battery**
If any of the keyfob batteries starts to run low, the ⚠ LED on the keypads will turn ON.

☞ *All the system trouble conditions are signalled by the ⚠ LED. Therefore, if this LED turns ON, you must access the **View Signals** mode for details.*

The low wireless battery condition will be signalled in **View Signals** mode by the Bat.low WLS message (refer to "OPERATIONS FROM TOUCH KEYPAD > Viewing Signals" and "OPERATIONS FROM LCD KEYPAD > Viewing Signal").
The event logger will provide the details of the keyfob that has triggered the low battery condition.

Read the instructions of the keyfob for battery replacement.

Transmission LED signal	Buzzer signal	Description
Green blink	Success tone	*Operation performed correctly.*
Green blink	Five second sound	*Forced arming: the control panel is not ready for arming because there are block conditions, but the control panel continues to arm (see "Arming block conditions" on page 73).*
Red blink	Failure tone	*Operation not performed: there are conditions that prevent the control panel from arming (see "Arming block conditions" on page 73). Check on the keypad.*
None	None	*No communication: for example, the control panel is out of range.*
Yellow blinks for 2 seconds	Depends on the outcome of the operation	*Keyfob battery low: If the keyfob is still transmitting, despite the conditions of the battery, the keyfob sends a low battery message to the control panel* *System trouble.*

Table 9 *Keyfob response: success tone = three short sounds followed by one long sound; failure tone = a long sound.*

If your Installer has enabled the User PINs, you will be able to control your system via any touch-phone.

☞ *For recording the customized voice messages, your system has a **AS100** Stand-alone Audio station.*

Each PIN can be programmed to control specific functions and Partitions.

☞ *PIN N. 1 CANNOT access the system by telephone.*

You can access the system over the phone:
- by receiving a call from the Control panel (Dialler mode);
- by calling the Control panel, when the Answering device facility is enabled (Answer mode).

Remote Access via Dialler mode

If your installer has duly set up your Control panel, the Dialler will send voice messages to the programmed telephone numbers when Alarm, Tamper, Fault conditions are detected. If you receive a Dialler call, you will be able to access your system during the call by entering your **PIN** on the telephone keypad. You can enter your **PIN** while the message is playing, or during the pauses between message announcements.

☞ *If the **Confirm successful calls** option is Enabled, you must press the [*] (Star) key while the voice message is still running, otherwise the Control panel will consider the call "Unsuccessful", and will carry out the programmed Actions.*

Remote Access via Answer mode

If your installer has set up your Control panel to answer incoming calls, you will be able to access your system via the *Answering device* facility.

☞ *The Answering function must be Enabled (refer to "OPERATING YOUR SYSTEM FROM A KEYPAD>Program>ON/OFF Answering (2.1)", otherwise, you will be unable to access your system via remote telephone.*

☞ *DO NOT use a telephone with a redial button to Arm or Disarm your system, as this may put your system security at risk.*

The Control Panel will answer your call after the programmed number of rings, then will play the *Welcome message* and asks you to enter your PIN to access to the remote control.

Double Call If the installer has enabled this function, the caller must allow at least 2 rings but not more than the rings set for the other answering device, hang up, wait for a few seconds and callback within 60 seconds. The control panel will answer on the first ring of the second call.

Typing-in your User PIN

You can type-in your PIN while the message is playing, or during the pauses between message announcements, regardless of the Telephone Access mode (Dialler or Answer Mode). To type-in your PIN:

1. Press [#].
2. Enter your PIN.
3. Press [#].

☞ *If the Vocal Guide is disabled, when your system recognizes your PIN, it will emit an audible feed back signal (beep, beep), and will accept commands. If your system DOES NOT recognize your PIN, it will emit an audible error signal (boop).*

☞ *If the Vocal Guide is enabled, a series of messages explains the procedures for operating the system from a telephone. The Vocal Guide must be enabled by the Installer.*

☞ *Press [#] to repeat the messages from the start.*

☞ *If you type 10 invalid PINs into the Control Panel, a tamper is generated and access to the system via telephone is blocked for 90 seconds: the keypad will display* `Tel. inval.attem` *in signal display mode.*

On Grade 3 panels, access to the system via telephone locks for 90 seconds if 3 consecutive invalid PINs are entered.

The system will end the call automatically, if no valid PIN is entered within 30 seconds (at default). This interval can be customized from 1 to 254 seconds.

Entering Commands

Once your PIN has been recognized, you can enter the Command Codes.

☞ *The system will end the call automatically, if no Key is pressed within 2 minutes.*

■ **Cancel Command (#)**
Press # to cancel the Command, and step back to the Enter data phase.

Press # to delete incorrect digits: the system will emit an audible feed back signal (2 beeps) to confirm that the data has been deleted.

■ **On Hook (*)**
If you are accessing your system via "Answering device" mode, press * to end the call.

■ **Remote Talk/Listen-in (1)**

☞ *This command requires the **AS100** Audio station.*

- Press 1 to start the Remote **Listen-in** session, via the Audio Station microphone.
- Press 1 again to start the **One-way Talk** session, via the Audio station speaker.

☞ *If required, press 1 to switch from **One-way Talk** to **Listen-in** mode, and vice versa. The **One-way Talk** and **Listen-in** modes cannot be active at the same time.*

- Press 2 to start the **Two-way Talk / Listen-in** session, via the Audio Station microphone and speaker.

This feature will allow you to listen in on the protected premises and talk to whoever is present.
Two-way Talk / Listen-in sessions can also be activated by the Personal Panic Button thus making this feature extremely useful in emergency situations involving the elderly or disabled.

☞ *If you press 1 during the **Two-way Talk** session, the Control panel will switch to **Listen-in** mode.*

☞ *If the sound quality of the **Two-way Talk** session is poor, use the **One-way Talk** and **Listen-in** modes (press 1).*

- Press 4 to reduce the remote microphone audio gain.
- Press 5 to centre the remote microphone audio gain.
- Press 6 to increase the remote microphone audio gain.

■ **Zone/Partitions status (2)**
This command will allow you to check on the status of the Zones and of the Partitions.

☞ *The Zone and Partition Identifier number **must always be 3 digits long**. If necessary enter the required 0 to fit.*

1. Press 2 to check the Zone and Partitions status.
2. Press 1 for Partition status or 2 for Zones status.

Partitions status Press in sequence 1 ? ? ? to know the current status of the Partition **???**.

The Partition status will be indicated by the following messages:
<<Armed>> (Message 200), if the Partition is armed;
<<Armed stay>> (Message 201), if the Partition is armed in stay mode;
<<Armed stay with zero delay>> (Message 202), if the Partition is armed in stay mode with 0 delay;
<<Disarmed>> (Message 203), if the Partition is disarmed.
boop, If Partition Identifier entered is 0.

After the message, the system will go back to step **1**.

Zone status Press in sequence 2 ? ? ? to know the current status of the Zone **???**.

The Zone status will be indicated by the following messages:
<<Active zone>> (Messagge194), if the zone is active;
<<Tampered zone>> (Message 195), if the zone is Tampered;
<<Zone in fault>> (Message 196), if the zone is fault;
<<Zone in alarm>> (Message 197), if the zone in alarm;
<<Standby zone>> (Message 198), if the zone is in standby;
boop, if zone Identifier entered is 0.

After the message, the system will go back to step **1**.

■ **Turn Reserved Outputs ON/OFF (3)**
This command will allow you to turn ON/OFF the appliances (Sprinkler system, Courtesy lights, etc.) connected to the **Reserved** Outputs.

☞ *The Output Identifier number **must always be with 2 digits long**, if necessary enter the required 0 to fit.*

1. Press 3 to access **Output control**.
2. Enter the Identifier number of the required Output.
3. Press 1 to turn ON, or 0 to turn OFF the appliance connected to the selected Output.

An audible signal will communicate the result of the command:
Beep, if action done;
Boop, if action fails.

The appliance will turn ON/OFF immediately, and the system will go back to step **1**.

■ **Panel Arming/Disarming (4)**

This operation is NOT possible with Grade 3 Control Panels.

This command will allow you to Arm and Disarm the Panel in accordance with programming.

1. Press 4 to access **Arming/Disarming**.

2. Press:
- 0 to know the current status of the Partition Panel;
- 1 to **Arm** the Panel;
- 2 to **Disarm** the Panel;
- either 3, 4, 5 or 6 to Arm the Panel, respectively in **A**, **B**, **C** or **D** Mode.

Will be armed/disarmed ONLY the PIN's Partitions.

The Control Panel status will be indicated by the following messages:
<<Panel armed>> (Messages 199+200), if the Panel is armed;
<<Panel disarmed>> (Messages 199+203), if the panel is Disarmed;
<<Not ready, action will not be executed>> (Message 204), if there is any problem that inhibits the Panel arming;
<<Not ready, press one to arm anyway>> (Message 205), if there is any problem that inhibits the Panel arming, but it is possible to arm anyway.

In the last case, if 1 is pressed anyway to arm, the messages **<<Panel armed>>** will follow (Message 199+200).

The Partitions will Arm/Disarm immediately, and the system will go back to step **1**.

■ **Arm/Disarm Single Partitions (5)**

This operation is NOT possible with Grade 3 Control Panels.

This command will allow you to Arm/Disarm the Partitions individually.

*The Partition Identifier number **must always be 2 digits long**, if necessary enter the required 0 to fit.*

1. Press 5 to access **Arm/Disarm Single Partitions**.

2. Enter the Identifier number of the Partition.

3. Press:
- 1 to Arm the Partition in **Away** mode;
- 2 to **Disarm** the Partition;
- 3 to Arm the Partition in Stay mode;
- 4 to Arm the Partition in Stay with **Zero Delay** mode.

The partition status will be indicated by the following messages:
<<Armed>> (Message 200), if any action of arming was successful;
<<Disarmed>> (Message 201), if any action of disarming was successful;
<<Not ready, action will not be executed>> (Message 204), if any action of arming has been refused;
<<Not ready, press one to arm anyway>> (Message 205), if the partition is not ready to arm, but it is possible to arm anyway.

If 1 is pressed anyway to arm, the messages **<<Armed>>** will follow (Message 200).

The Partition will Arm/Disarm immediately, and the system will go back to step **1**.

■ **Enable/Disable Installer (6)**
This command will allow you to Enable/Disable the Installer and Remote Service.

Press 1 to enable or 0 to disabled Installer.
- If the installer has been enabled, the disabled command will be communicate with a beep;
- if the installer has been disabled, the enabled command will be communicate with a beep.

■ **Clear call queue (7)**
If you are accessing your system via *Answering device* mode, press 7 to end the call.

If you are accessing your system via *Dialler* mode (after receiving an Alarm message), press 7 to interrupt the ongoing Alarm, and clear the call queue.

A **beep** will communicate the positive result of the required action.

■ **Alarms Reset (8)**
This command will allow you to clear Partition and/or Control panel Alarms, and restore the system to standby, depending on the Access level of the PIN used via Telephone.

A **beep** will communicate the positive result of the required action.

■ **Disable Current User PIN (9)**
This command will allow you to Disable the entered User PIN:
- a **beep** will communicate the positive result of the required action.

This security feature will allow you to protect your system against unauthorized access. If you Disable a PIN via Telephone it cannot be used again until it is Re-enabled via the User menu (refer to "PIN Programming").

N.	Phone Numbers	Event		N.	Phone Numbers	Event
1				17		
2				18		
3				19		
4				20		
5				21		
6				22		
7				23		
8				24		
9				25		
10				26		
11				27		
12				28		
13				29		
14				30		
15				31		
16				32		

Table 10 *Events Controlled by Caller ID.*

N.	Command String	Event	Partitions															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
32																		

Table 11 *Events Controlled by SMS.*

The operations described in this chapter are possible only if the installer has installed the GSM Module in your control panel and has carried out the respective programming: ask your installer which operations are possible with your control panel.

☞ *Some of the operations described in this chapter require you to send your PIN by SMS. To increase the security of your system, once the operation requested has been completed, you can disable your PIN as described in the respective paragraph, so that no one else can use it without your knowledge.*

Events Controlled by Caller ID

You can activate some events (See Table 10) simply by calling the control panel's GSM number, at no cost.

When the control panel receives a call from one of the **Phone Numbers** listed in Table 10, it waits for a few rings, then it hangs up and activates the respective **Event**: the control panel then confirms with one ring to the phone number, if enabled to do so by the installer.

☞ *The ring for confirmation may be delayed if there are other calls in the queue or it may be lost if the queue is full or because of problems with the GSM network.*

Events Controlled by SMS

In order to ensure compliance with EN50131 Grade 3 standards, Events Controlled by SMS may NOT be used.

You can activate and deactivate events (Table 11) by sending the following SMS to the control panel's GSM number:

#ABS#E#<PIN>#<ON|OFF>#<Command String>#<Text>

- **PIN**: a User PIN enabled to manage the control panel by SMS.
- **ON|OFF**: ON activates the event; OFF deactivates the event.
- **Command String**: the string programmed by the installer, which is NOT case-sensitive (see the **Command String** column in Table 11).
- **Text**: additional text that can be used to assign a description to the command message and is ignored by the control panel.

☞ *The event is activated and deactivated ONLY if the PIN and the event share at least one Partition (see the **Partitions** column in Table 11).*

☞ *The **OFF** command is not available if ONLY Monostable Outputs are associated to the event as this type of output is deactivated by itself after the programmed time has elapsed.*

☞ *If Monostable and Bistable outputs are associated to the event, the **OFF** command deactivates the Bistable outputs ONLY while the Monostable outputs are deactivated after the programmed time has elapsed (ask your installer for more information).*

☞ *The angle brackets () should NOT be included in the message.*

For example, lets suppose you want to trigger the event with the **Command String** *lights* and your PIN is 1234; the SMS message will be:

#ABS#1234#ON#lights#

Partition Status

You can check on the status of the control panel's Partitions by sending the following SMS to the control panel's GSM number:

#ABS#A#<PIN>#<Text>

- **PIN**: a User PIN enabled to manage the control panel by SMS.
- **Text**: an additional text that can be used to assign a description to the command message and is ignored by the control panel.

☞ *The angle brackets () should NOT be included in the message.*

For example, lets suppose you want to know the status in your partitions and your PIN is 1234; the SMS message will be:

#ABS#A#1234#

The control panel will respond with the following SMS:

#ABS#A#<SMS Label>-<A|P|Z|D|t|*|!>,...,<SMS Label>-<A|P|Z|D|t|*|!>

- **SMS Label**: the code assigned to the Partition by the installer (see table below).
- **A|P|Z|D|t|*|!**: the Partition's status as described in Table 5 on page 38.

N.	Partition Label	SMS Label
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

☞ *The SMS sent in reply will show only the status of the Partitions assigned to the PIN used to make the request.*

☞ *The SMS sent in reply may be delayed if there are other calls in the queue or may be lost if the queue is full or there are problems with the GSM network.*

Arming/Disarming the Partitions

This operation is NOT possible with Grade 3 Control Panels.

You can Arm and Disarm the Control Panel Partitions by sending the following SMS to the GSM number of the Control Panel:

#ABS#<A|AF>#<PIN>#<OFF|OF|ON|A|B|C|D>#<Text>

- **A|AF**: **A** arms the Partitions without forcing the Blocking Conditions; **AF** arms the Partitions forcing any Blocking Conditions (see "APPENDIX>Arming Blocking Conditions").
- **PIN**: a User PIN enabled to manage the control panel via SMS.
- **OFF|OF|ON|A|B|C|D**: **OFF** or **OF** disarms the Partitions; **ON** arms the Partitions; **A**, **B**, **C** or **D** disarms the Partitions in A, B, C or D Mode.
- **Text**: an additional text that can be used to assign a description to the command message and is ignored by the control panel.

☞ *The angle brackets () should NOT be included in the message.*

For example, lets suppose you want to disarm your partitions and your PIN is 1234; the SMS message will be:

#ABS#A#1234#OFF#

☞ *ONLY the Partitions of the PIN used will be Armed/Disarmed.*

☞ *The Control Panel will only accept SMS for arming/disarming the Partitions ONLY from the numbers present in the phonebook (ask the installer or refer to "KEYPAD OPERATIONS>Program>Telephone Numbers (2.6)").*

If the operation is successful, the Control Panel will respond with the following SMS (see "Partition Status"):

#ABS#A#<SMS Label>-<I|P|Z|D|t|*|!>,...,<SMS Label>-<I|P|Z|D|t|*|!>

If the operation fails due to any Blocking Conditions that are forced, the Control Panel will respond with the following SMS:

#ABS#AF#<PIN>#<OFF|OF|ON|A|B|C|D>#<space>Execute anyway?<space><Blocking condition><space><Blocking condition>...<...>

- **PIN**: the same PIN used in the SMS for the Arming/Disarming request.
- **OFF|OF|ON|A|B|C|D**: the same option used in the SMS for the Arming/Disarming request.
- **Blocking Condition**: a condition that prevents the arming of the Partitions (see "APPENDIX>Arming Blocking Conditions").
- **...**: indicates that there are other Blocking Conditions that cannot be displayed as the SMS is too long.

☞ *The above SMS can be forwarded to the GSM number of the Control Panel to force the arming.*

If the operation fails due to Blocking Conditions that CANNOT be forced, the Control Panel responds with the following SMS:

Not allowed!<space><Blocking condition><space><Blocking condition>...<...>

- **Blocking Condition**: a condition that prevents the arming of the Partitions (see "APPENDIX>Arming Blocking Conditions").
- **...**: indicates that there are other Blocking Conditions that cannot be displayed as the SMS is too long.

☞ *The SMS sent in reply may be delayed if there are other calls in the queue or may be lost if the queue is full or there are problems with the GSM network.*

Credit Check

You can check on the credit remaining for the SIM in the control panel by sending the following SMS to the control panel's GSM number:

#ABS#C#<PIN>#<Text>

- **PIN**: a User PIN enabled to manage the control panel by SMS.
- **Text**: additional text that can be used to assign a description to the command message and is ignored by the control panel.

☞ *The angle brackets () should NOT be included in the message.*

For example, lets suppose that your PIN is 1234; the SMS message will be:

#ABS#C#1234#

The control panel will forward the message received from the mobile telephone operator to the telephone number from which the request was made.

☞ *The SMS sent in reply may be delayed if there are other calls in the queue or may be lost if the queue is full or there are problems with the GSM network.*

☞ *If programmed to do so by the installer, the credit message will be forwarded periodically to the **first number** in the Phonebook.*

☞ *The credit remaining can also be checked from an LCD keypad as described in the section "OPERATING YOUR SYSTEM FROM A KEYPAD>View>GSM Module Status (3.3)".*

Disabling a PIN

You can disable your PIN by sending the following SMS to the control panel's GSM number:

#ABS#BLOCK#<PIN>#<Text>

- **PIN**: a User PIN enabled to manage the control panel by SMS.
- **Text**: additional text that can be used to assign a description to the command message and is ignored by the control panel.

☞ *The angle brackets () should NOT be included in the message.*

For example, lets suppose that your PIN is 1234; the SMS message will be:

#ABS#BLOCK#1234#

☞ *The PIN can be enabled from an LCD keypad, as described in the section "OPERATING YOUR SYSTEM FROM A KEYPAD>Program>PIN Programming (2.5)".*

GSM Module IMEI Request

You can found out the IMEI by sending the following SMS to the GSM number of the Control Panel:

#ABS#IMEI#<PIN>#<Text>

- **PIN**: a User PIN enabled to manage the control panel via SMS.
- **Text**: additional text that can be used to assign a description to the command message and is ignored by the Control Panel.

☞ *The angle brackets () should NOT be included in the message.*

For example, lets suppose that your PIN is 1234; the SMS message will be:

#ABS#IMEI#1234#

If the operation is successful, the Control Panel will respond with the following SMS:

#ABS#IMEI#<IMEI>#

- **IMEI**: is the IMEI number of the GSM Module of the Control Panel.

NO.	LABEL	NO.	LABEL	NO.	LABEL
1		44		87	
2		45		88	
3		46		89	
4		47		90	
5		48		91	
6		49		92	
7		50		93	
8		51		94	
9		52		95	
10		53		96	
11		54		97	
12		55		98	
13		56		99	
14		57		100	
15		58		101	
16		59		102	
17		60		103	
18		61		104	
19		62		105	
20		63		106	
21		64		107	
22		65		108	
23		66		109	
24		67		110	
25		68		111	
26		69		112	
27		70		113	
28		71		114	
29		72		115	
30		73		116	
31		74		117	
32		75		118	
33		76		119	
34		77		120	
35		78		121	
36		79		122	
37		80		123	
38		81		124	
39		82		125	
40		83		126	
41		84		127	
42		85			
43		86			

Table 12 *PIN list.*

PIN list

Table 12 shows the Label assigned to the User PIN:
- the **NO.** column shows the Identifier number of the User PIN;
- the **LABEL** column (to be filled in by the Installer) is for the PIN User's name.

ABSOLUTA App

iPhone and Android App for managing the Control Panel from a smartphone:

For more information, visit the BENTEL SECURITY site (www.bentelsecurity.com), the App Store (https://itunes.apple.com), or the Google Play Store (https://play.google.com/store).

In order to manage the Control Panel using the **ABSOLUTA** APP, the user must know the UID of the Control Panel. See:
- OPERATIONS FROM TOUCH KEYPAD > GSM/IP > APP;
- OPERATIONS FROM LCD KEYPAD > View > ABSOLUTA INFO (3.6).

Arming block conditions

The Table 13 on page 74 shows the conditions that prevent the system arming, as they are reported (**Feedback**) and if you can force the arming (**ARM**), in different operation modes (**EN50131 and EN50131+INCERT**).

Only the EN50131 operating mode applies to Grade 3 panels.

The partition of Grade 3 panels cannot be armed/disarmed by telephone (DTMF) or SMS. Therefore, the behaviour of the panel for the blocking conditions listed in the Table applies only to Grade 2 panels.

Blocking Condition	EN50131	Keypad		Keyreader		Keyfob		Command Zone	
		Feedback	ARM.	Feedback	ARM.	Feedback[2]	ARM.	Feedback[10]	ARM.
Already Armed	Yes	Display Mess.	No	Fast Blink	Yes	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	Yes	Siren	No	Siren	No
	No	Display Mess.	No	Fast Blink	Yes	Siren	No	Siren	No
Fault Zone	Yes	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Active Zone	Yes	Display Mess.	No[1]	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No[1]	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	Fast Blink	No	Siren	Yes	Siren	Yes
Bypassed Zone	Yes	Display Mess.	Yes[5]	LED ON	Yes[8]	Siren	Yes	Siren	Yes
	Yes+INCERT	Display Mess.	Yes	LED ON	Yes	Siren	Yes	Siren	Yes
	No	Display Mess.	Yes	LED ON	Yes	Siren	Yes	Siren	Yes
Inactive Zone	Yes	Display Mess.	No[5]	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Already Disarmed	Yes	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
No Action	Yes	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
Masked Zone[9]	Yes	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Tampered Zone	Yes	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Tampered Zone in Memory	Yes	Display Mess.	Yes[6]	LED ON	Yes[6]	Siren	Yes[6]	Siren	Yes[6]
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	Yes	LED ON	Yes	Siren	Yes	Siren	Yes

Table 13 *Arming Block Conditions; **F)** Force arming with a **Master PIN**; **F3)** Force arming with a **Super PIN**; **1)** You can force the arming when the Active Zone is an **Hold-up** Zone; **2)** Depending on the control panel setup, wired sirens activate one time to confirm arming, two times for arming refused, while wireless sirens activates three times for arming refused and do not signal arming; ... (continued)*

BOSS		APP		DTMF		SMS			Event Schedule	
Feedback	ARM.	Feedback	ARM.	Feedback	ARM.	Feedback	ARM.[3]	ARM.[4]	Feedback	ARM.
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	No	SMS Mess.	F	Yes	None	Yes
Message	Yes	Message	Yes	Voice Mess.	Yes	SMS Mess.	Yes	Yes	None	Yes[8]
Message	Yes	Message	Yes	Voice Mess.	Yes	SMS Mess.	Yes	Yes	None	Yes[5]
Message	Yes	Message	N/A	Voice Mess.	Yes	SMS Mess.	Yes	Yes	None	Yes
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	Yes[6]	Message	Yes[6]	Voice Mess.	Yes	SMS Mess.	Yes	No	Dedicated Event	Yes[6]
Message	Yes	Message	No	Voice Mess.	Yes	SMS Mess.	No	No	Dedicated Event	No
Message	Yes	Message	N/A	Voice Mess.	Yes	SMS Mess.	Yes	Yes	None	Yes

*(Continued) ... **3)** Arming without attribute **F**; **4)** Arming with attribute **F**; **5)** Can be forced by a **Master** PIN or a **Super** PIN on Grade 3 Control Panels; **6)** Does not apply to Grade 3 panels; **7)** Can be forced by a **Super** PIN on Grade 3 panels; **8)** CANNOT be forced on Grade 3 panels; **9) Masked Zone** is a blocking condition for Grade 3 control panels only; **10)** Depending on the control panel setup, wired sirens activate one time to confirm arming, two times for arming refused, while wireless sirens do not signal arming and arming refused; **N/A)** Not Applicable because the App complies with the EN50131 standard always.*

Blocking Condition	EN50131	Keypad		Keyreader		Keyfob		Command Zone	
		Feedback	ARM.	Feedback	ARM.	Feedback[2]	ARM.	Feedback[10]	ARM.
Failed Interconnection	Yes	Display Mess.	No[7]	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Mains Fault	Yes	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Battery Fault	Yes	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Communicator Fault	Yes	Display Mess.	F[7]	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Siren Fault	Yes	Display Mess.	F[7]	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
System Tamper	Yes	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
System Tamper in Memory	Yes	Display Mess.	Yes[6]	LED ON	Yes[6]	Siren	Yes[6]	Siren	Yes[6]
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	Yes	LED ON	Yes	Siren	Yes	Siren	Yes
Request already done	Yes	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	No	Fast Blink	No	Siren	No	Siren	No
Active Auto bypassable Zone	Yes	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes
Keyfob Low Battery	Yes	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	Yes+INCERT	Display Mess.	F	Fast Blink	No	Siren	No	Siren	No
	No	Display Mess.	F	LED ON	Yes	Siren	Yes	Siren	Yes

Table 13 *Arming Block Conditions; **F)** Force arming with a **Master PIN**; **F3)** Force arming with a **Super PIN**; **1)** You can force the arming when the Active Zone is an **Hold-up** Zone; **2)** Depending on the control panel setup, wired sirens activate one time to confirm arming, two times for arming refused, while wireless sirens activates three times for arming refused and do not signal arming; ... (continued)*

BOSS		APP		DTMF		SMS			Event Schedule	
Feedback	ARM.	Feedback	ARM.	Feedback	ARM.	Feedback	ARM.[3]	ARM.[4]	Feedback	ARM.
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	Yes	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	F	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	Yes[6]	Message	Yes[6]	Voice Mess.	Yes	SMS Mess.	Yes	No	None	Yes[6]
Message	Yes	Message	No	Voice Mess.	Yes	SMS Mess.	No	No	Dedicated Event	No
Message	Yes	Message	N/A	Voice Mess.	Yes	SMS Mess.	Yes	Yes	None	Yes
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	No	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	No	SMS Mess.	No	No	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	F	Voice Mess.	F	SMS Mess.	F	Yes	Dedicated Event	No
Message	No	Message	N/A	Voice Mess.	F	SMS Mess.	F	Yes	None	Yes

*(Continued) ... **3)** Arming without attribute **F**; **4)** Arming with attribute **F**; **5)** Can be forced by a **Master** PIN or a **Super** PIN on Grade 3 Control Panels; **6)** Does not apply to Grade 3 panels; **7)** Can be forced by a **Super** PIN on Grade 3 panels; **8)** CANNOT be forced on Grade 3 panels; **9) Masked Zone** is a blocking condition for Grade 3 control panels only; **10)** Depending on the control panel setup, wired sirens activate one time to confirm arming, two times for arming refused, while wireless sirens do not signal arming and arming refused; **N/A)** Not Applicable because the App complies with the EN50131 standard always.*

List of Faults

Table 14 shows the meaning of fault messages and the actions to take when they occur.

MESSAGE	DESCRIPTION
Zone 001 (1)	*The detector connected to the zone with the label* Zone 001 [2] *is faulty (masked, etc.). Call the Installer.*
PS1 low Vout (1)	*The output voltage of Power station No. 1 (2, 3 or 4) is less than **10.6 V**. Call the Installer.*
PS1 Vout1 LOW (1)	*The **O1** (**O2** or **O3**) output voltage of Power station No. 1 (2, 3 or 4) is less than **10.6 V**. Call the Installer.*
PIN to default	*The user PINs are NOT safe because they are the default factory ones. Change the default PIN. If the fault **System Comm. FTC** is also present, the Installer PIN must also be changed: call the installer.*
Inst. access	*The installer has changed the programming of the control panel.*
Panel bat. low	*The Battery voltage of the Control panel is less than **11.4 V**.*
Panel bat. fail	*The control panel battery does not pass the Dynamic test. Call the Installer.*
Panel NO batt.	*The control panel battery is disconnected or absent. Call the Installer.*
Panel bat.charg	*The control panel is not capable to recharge the battery. Call the Installer.*
Panel NO 220v	*The Mains power of the Control panel has failed. Call the Installer.*
Panel PSU	*Switching power supply does not work. Call the Installer.*
Panel low Vout	*The output voltage of control panel is low. Call the Installer.*
PS1 bat. low	*The battery voltage of the Power station No. 1 (2, 3 or 4) is less than **10.9 V**. Call the Installer.*
PS1 bat. fail	*The battery of Power station No. 1 (2, 3 or 4) does not pass the Dynamic test or it is disconnected or the Fuse -protects against Battery polarity inversion- is broken. Call the Installer.*
PS1 NO batt.	*Switching power supply of the Power station No. 1 (2, 3 or 4) does not work. Call the Installer.*
PS1 bat.charg	*The Output voltage of the Switching power supply of the Power station No. 1 (2, 3 or 4), is outside the normal range min **10.2 V** max **14.7 V**. Call the Installer.*
PS1 NO 220v	*The Mains power of the Power station No. 1 (2, 3 or 4) has failed. Call the Installer.*
PS1 PSU	*Switching power supply of the Power station No. 1 (2, 3 or 4) does not work. Call the Installer.*
PS1 low Vout	*The Power station No. 1 (2, 3 or 4) is not capable to supply the right output voltage. Call the Installer.*
PS1 bat. disc.	*The battery of the Power station No. 1 (2, 3 or 4) is disconnected when you switch on the Power station No. 1 (2, 3 or 4). Call the Installer.*
PS1 SWT disc.	*Switching power supply of the Power station No. 1 (2, 3 or 4) is disconnected. Call the Installer.*
PS1 Vout1 short	*Short circuit on Output **O1** (**O2** or **O3**) of the Power station No. 1 (2, 3 or 4). Call the Installer.*
summer time	*The Control panel Clock has been set/unset to Daylight savings time.*
Fuse B	*Fuse B is opened -protects the Siren Output.*
Fuse zones	*Zone Fuse is opened-protects the Zones power line.*
Fuse BPI	*BPI Fuse is opened-protects the BPI line.*
Fuse WlsBus	*Transceiver bus fuse is opened-protects the transceiver bus.*
Inst. Maintenan.	*The date of the periodic checks of the Installer has expired.*
Surve.Maintenan.	*The date of the periodic checks of the Central Station has expired.*
Default Date	*The Mains power of the Control panel has failed, and the internal clock went to the default -hour/date-. Reprogramming Hour/Date.*
Inst. access	*The control panel programming has been changed.*
Delinquency	*The zone"Inactivity Time" has expired, from when the status zone is changed.*
Tel. Line	*Telephone line failure: call the installer.* ⚠ **(1)**

Table 14 *List of Faults:* ***1)*** *ONLY Grade 3 Control Panels;* ***2)*** *Depends on the zone fault label.*

MESSAGE	DESCRIPTION
System Comm. FTC	*A communicator action (phone call, SMS, event broadcast) has not been successful: call the installer. If the **PIN to default** fault is also present it means that the communicator is disabled because the **Master** user and Installer PINs are set to the factory default: change the user PIN and call the installer.*
WLS batt. low	*Low Battery on one or more Wireless devices.*
GSM Network	*The GSM network cannot be found: wait for it to be reset. The SIM cannot be found: call the installer. The GSM Module is under DoS[5] or Jamming[6] attack: call the installer.* ⚠ **(2) (3)**
GPRS Network	*The GPRS network cannot be found: wait for it to be reset.* ⚠ **(3)**
Main Receiv.Lost	*The panel CANNOT transmit the events to the primary receiver. If the **MainRec OFF-CMS** event is also present in the event log the central station has stopped remote monitoring: call the installer and/or the central station.*
2nd Receiv. Lost	*The panel CANNOT transmit the events to the primary receiver. If the **2ndRec OFF-CMS** event is also present in the event log the central station has stopped remote monitoring: call the installer and/or the central station.*
GSM FW mismatch	*The GSM module firmware is incompatible with that of the panel and must be updated: the GSM Module is disabled. Call the installer.* ⚠ **(2) (3)**
IP FW mismatch	*The IP module firmware is incompatible with that of the panel and must be updated: the IP Module is disabled. Call the installer.* ⚠ **(4)**
IP network	*The IP Module is under DoS attack.* ⚠ **(4)**
Generic Tamper	*This message indicates that a wireless siren or a repeater opens or is removed from the mounting surface: the log shows the tampered wireless sirens and repeaters. Call the installer.*
Fail Detect. nnn	*This message signals that the enrolling process of the wireless detector nnn is not complete, or that it is about 15 minutes that the wireless detector nnn do not communicate with the control panel. Call the installer.*

Table 14 *List of Faults: **1)** ONLY Grade 3 Control Panels; **2)** Depends on the zone fault label.*

⚠ **1) The panel CANNOT send notifications of alarms and other events via voice message and CANNOT be managed via telephone (DTMF) (unless the GSM module is present, properly programmed and operational).**

⚠ **2) The panel CANNOT send notifications of alarms and other events via SMS and voice message (unless there is a telephone line that is present and properly programmed and operational) and CANNOT be managed via SMS.**

⚠ **3) The panel CANNOT send notifications of alarms and other events to central stations and CANNOT be managed via app (unless the IP module is present and properly programmed and operational).**

⚠ **4) The panel CANNOT send notifications of alarms and other events via email, and to central stations (unless GSM Module is present and properly programmed and operational) and cannot be managed via app.**

5 *In computing, a denial-of-service attack (DoS attack) is a cyber-attack where the perpetrator seeks to make a machine or network resource unavailable to its intended users by temporarily or indefinitely disrupting services of a host connected to the Internet.*

6 *Jamming is the act of deliberately disturbing radio communications.*

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