

# AUS electronics



Curtarolo (Padova) Italy  
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## USER MANUAL

# CAPTURE



CERTIFIED QUALITY SYSTEM  
UNI EN ISO 9001: 2008

EN 50131-1  
EN 50131-6

EN 50131-3  
CEB T031



IST0866V2.2

ZONE	PHYSICAL INPUT	DESCRIPTION
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		

TELEPHONE NUMBER	DESCRIPTION
01:.....	.....
02:.....	.....
03:.....	.....
04:.....	.....
05:.....	.....
06:.....	.....
07:.....	.....
08:.....	.....
09:.....	.....
10:.....	.....
11:.....	.....
12:.....	.....
13:.....	.....
14:.....	.....
15:.....	.....
16:.....	.....

USER CODE	DESCRIPTION
1	
2	
3	
4	
5	
6	
7	
8	
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10	
11	
12	
13	
14	
15	
16	
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19	
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27	
28	
29	
30	
31	
32	

O. C.	PHYSICAL INPUT	DESCRIPTION
1		
2		
3		
4		
5		
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7		
8		
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10		
11		
12		
13		
14		
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16		
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19		
20		
21		
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23		
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26		
27		
28		
29		
30		
31		
32		

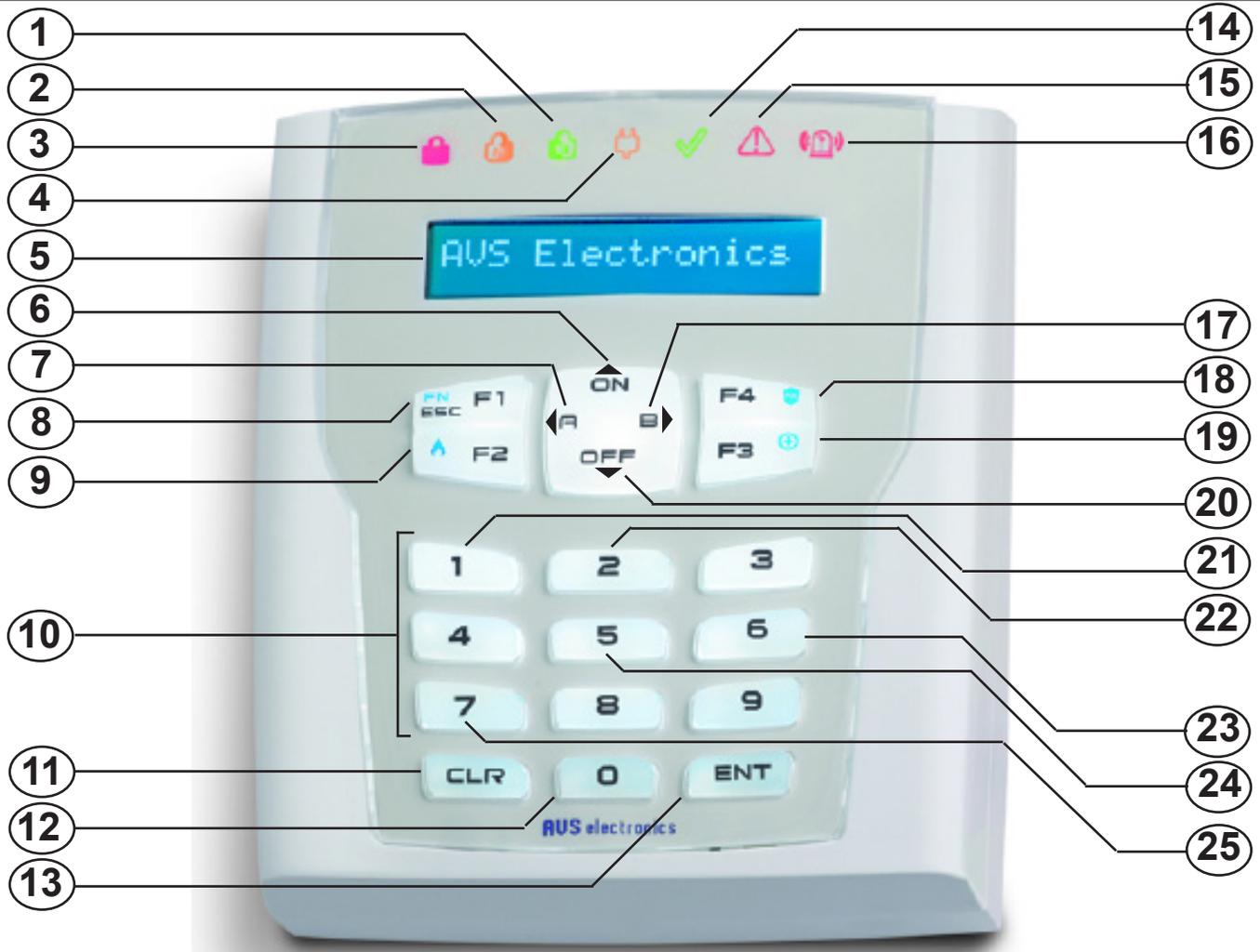
# Index

A500 - A500Plus description .....	8
Functions described in this manual .....	9
Display lighting .....	9
Zone circuit test .....	9
Alarm display .....	9
LED signalling A500 - A500 Plus .....	9
Visualization / User Commands .....	10
Visualization .....	10
User Codes .....	11
Variation of User Codes .....	11
Master User Codes .....	11
Changing or Erasing User Codes .....	11
Enabling and Disabling User Codes .....	12
Change User Code string .....	12
Circuit check of single sectors .....	12
Circuit check of the sectors with User "Sum of Sectors" .....	12
Quick Arm .....	13
Normal Arming .....	13
Contemporary Arming of more sectors .....	13
Macro activation by user code (A and B keys) .....	13
Summary table of the A - B keys .....	14
Normal Arming with Zone Timers Off .....	15
Special Arming (by use of timer) .....	15
Activation of the PATROL function .....	15
Quick disarming .....	16
Normal Disarming .....	16
Contemporary disarming of more sectors .....	16
Emergency code .....	16
By-pass and Rearming of zone .....	17
Variation of telephone number .....	17
Disabling of the buzzer .....	18
Variation of Date and Time .....	18
Timer bypass .....	18
Information SIM in the GSM module .....	19

Remaining Credit.....	19
Intensity of GSM Net .....	19
Expiry Date of Sim Card .....	19
<b>Information SIM in the XGSM 485 / XGSM 485 PRO module.....</b>	<b>20</b>
Remaining Credit SIM A e/o SIM B.....	20
Intensity of GSM Net .....	20
Expiry Date of Sim Card .....	20
Informazioni ID panel (Panel ID) .....	21
Speaker/ Display - Led - Keypad .....	21
Function RTC by use A500Plus .....	21
Zone test .....	22
Test outputs .....	22
Commands with HELP text.....	23
Panic Message .....	23
Fire Message .....	23
Medical Message.....	23
Polling the memory events .....	23
Enable Installer .....	24
O.C. (Open Collector) enabling.....	24
Activation of multi-function pushbuttons.....	24
Description of the ICE keypad .....	25
Functions described in this manual.....	26
Display illumination .....	26
Display LED .....	26
Operating mode.....	26
Keypad mode (if enabled in setup):.....	26
App mode:.....	27
Ice QUICK mode (if enabled in setup): .....	28
Remote Telephone Control of the system .....	29
DTMF Controls .....	29
Closing of a Communication .....	29
RTC Activation after a Communication.....	29
Management of SMS on the way out.....	30
Management of incoming SMS .....	30
List of the Commands .....	30
Summary-Chart of multi-function pushbuttons .....	31
Maintenance of the system .....	31

# KEYPAD A500 - A500Plus

## A500 - A500Plus description



1	GREEN LED - ACCESSORY LED	14	GREEN LED - SYSTEM READY
2	YELLOW LED - ACCESSORY LED	15	RED LED - TAKE CARE, VISUALIZATION ON DISPLAY
3	RED LED - SIGNALLING OF ARMED SYSTEM	16	NOT USED
4	YELLOW LED - PRESENCE OF 220V MAINS	17	PUSHBUTTON - B: MULTIFUNCTION COMMANDS PUSHBUTTON – MOVE ON THE RIGHT [→]
5	DISPLAY	18	PUSHBUTTON - PANIC MESSAGE
6	PUSHBUTTON - ARMING ON PUSHBUTTON – MOVE UP [↑]	19	PUSHBUTTON - MEDICAL MESSAGE
7	PUSHBUTTON - A: MULTIFUNCTION COMMANDS PUSHBUTTON – MOVE ON THE LEFT [←]	20	PUSHBUTTON - DISARMING PUSHBUTTON – MOVE DOWN [↓]
8	PUSHBUTTON – OUTPUT COMMAND PUSHBUTTON – SEQUENCE FOR QUICK MESSAGE	21	PUSHBUTTON – END USER MENU
9	PUSHBUTTON - MEMORY EVENTS PUSHBUTTON - FIRE MESSAGE	22	PUSHBUTTON - RESET FIRE
10	KEYPAD	23	PUSHBUTTON – OUTPUT ACTIVATION
11	PUSHBUTTON - DATA ERASING	24	PUSHBUTTON - DISARMING BADGE READER (ONLY PLUS. MODEL)
12	PUSHBUTTON – ZONE EXCLUSION COMMAND	25	PUSHBUTTON – VOCAL HELP ACTIVATION
13	PUSHBUTTON – DATA CONFIRMATION		

## Functions described in this manual

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- The functions described in this manual must be enabled by the installer.
- Some of the functions could not be active and visualization might have small variations.
- To identify pushbuttons and LEDs that are explained in various functions, refer to the table in chapter “Keyboard” of the specific model.

### Display lighting

---

The backlight turns on when any key is pressed (Eg. the **[CLR]**).

### Zone circuit test

---

The zones open or by-passed are shown directly on the display after entering the **User Code**; press **[CLR]** key to remain in this menù.

### Alarm display

---

The zones that have triggered alarms in the control panel are displayed in sequence in the second line of the display, while the current date and time are displayed above.

## LED signalling A500 - A500 Plus

---

### 1. Red Led - System armed (3)

Visualization of this led is linked to the sector to which the keypad is associated and shows the arming or the occurred alarm.

- **If on**, the sector/s, associated to keypad, is armed in one of its modes.
- **If off**, the sector/s, associated to keypad, is disarmed.
- **If flashing**, the sector/s, associated to keypad, is disarmed and an alarm has occurred during the previous arming.
- **If flashing quickly**, at least one of the sectors associated to keypad, is armed.

### 2. Yellow Led - Presence of 220Ac mains (4)

- **If on**, mains voltage is present; the situation is correct.
- **If off**, there is no mains voltage.

### 3. Green Led - System ready (14)

This led shows the zone state of the sector associated to the keypad

- **If on**, all the zones are ready to be enabled.
- **If off**, at least one of the zones is open.
- **If flashing**, at least one zone has been by-passed.

### 4. Red Led - Take care, visualization on display (15)

- **If on**, it gives information about a visualization on display of keypad
- **If off**, there is no information to visualize.

## Functions of Accessory Leds (1 and 2)

1) \_\_\_\_\_

2) \_\_\_\_\_

## Visualizzazione / User Commands

The User visualizations are linked to the settings made by the installer and can be of two types:

1. **Flat:** Allows the User to visualize the areas in groups of 16

Sett.	1
k■O■-A■P	

2. **Compact:** Allows the User to visualize only the competing areas in groups of 5 at the time

Sett.:	0203040608
state:	ok on -- ar pe

### Description of visualization n. 2

Sector n°02: Area disarmed, balanced zones  
 Sector n°03: Area armed in ON  
 Sector n°04: Area disarmed , zones open  
 Sector n°06: Area armed in AREA  
 Sector n°08: Area armed in PERIMETER

3. **Continuos:** the end user can view one by one each partition and, for the first 16, can see the relative name

Sector # 03	ok
Offices	

### Commands:

- [→][←][↑][↓]: To select the area
- [ENT]: To enter the area
- [CLR]: To set directly the area number
- [0]: To manage all competing areas at the same time
- [ESC]: To step back

## Visualizzazione

COMPACT	FLAT	CONTINUOS	DESCRIPTION
OK	K	PARTITION #01 ok	Patition disarmed, zones closed
--	-	PARTITION #01 --	Patition disarmed, zones opened
On	O	PARTITION #01 On	Partition ON armed
Ho	H	PARTITION #01 Ho	Partition HOME armed
Ar	A	PARTITION #01 Ar	Partition AREA armed
Pe	P	PARTITION #01 Pe	Partition PERIMETER armed
■	■	-	Non-competing Partition

### Other messages:

These messages could be displayed on the keypad immediately or after you have entered your user code, depending on the installer's programming:

- **SIM credit low/used up >>>** recharge the SIM CARD
- **Fuses >>>** contact the installer
- **Codes changed >>>** the codes were changed
- **Sensors: batt low >>>** battery low sensor n° xx. We recommend you contact the installer
- **Sensors: survive >>>** the controller did not detect the sensor, we recommend you contact the installer
- **Sensors: antimask >>>** sensor n° xx was masked and may not function correctly
- **Sensors: disqualification >>>** it is probably covered or misaligned, check the sensor
- **Sensors: dirty lenses >>>** the sensors lenses are dirty, wipe them with a cloth.

### Clear messages

Messages are usually cleared automatically. Information about the GRID (power supply 220 VAC) - BATTERY (low/missing) - TELEPHONE (No telephone line) remains on the display and is cleared by turning the system off and on.

## User Codes

The User Code allows the user to interact with the system to arm/disarm the system and to make other operations

This code is strictly personal and secret, it is recommended not to divulge it for security reasons. The user code is made of 4 to 5 digits, followed by pushbutton **ENT** in order to be recognized or it can be made of 6 digits, in this case it is not necessary to press **ENT**

The flexibility of the user code allows the installer to vary the settings according to system potential, with no risk for security.

### Variation of User Codes

When the control panel is off, it is possible to change the User Code:

Nota: if the User code is associated to all sectors, digit the sector.

- ① Enter the User Code
- ② Press the (1) "CODE" key followed by the (ENT) key
- ③ Press (CLR), digit the new User code
- ④ Press (ENT) to confirm
- ⑤ Press (ESC) to exit

All the functions can be entered now only with the use of the new code.

**Remember that if the User Code is forgotten it can obviously not be varied.**

### Master User Codes

The Master User option, in addition to the functions of the user code assigned in the relative user profile allows the user to change the User (NOT MASTER) Codes associated with its own sectors, to change the string and to block the ability of operating from the keypad and RTC while leaving the keys and remotes associated to them active.

### Changing or Erasing User Codes

You can change the User Codes with the system off.

- ① Enter the User Code

**Note:** if the user code is associated to multiple sectors and the "Skip sector selection" option is not active, you will be asked to select the sector to work in.

- ② Press the (1) "CODE" key followed by the (ENT) key
- ③ Press (CLR) followed by the number of the user code to be changed and press (ENT)
- ④a To change the User code, press (CLR), enter the new Code and then press (ENT)
- ④b To erase the User Code, press (CLR) two times and then (ENT)

- **In this way the code will be disabled for working from the keypad and RTC while the keys and remotes associated to the Code remain active.**

- ⑤ Press (ESC) to exit

## Enabling and Disabling User Codes

- 1 Enter the User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press the (1) “CODE” key followed by the (ENT) key
- 3 Press (CLR) followed by the number of user code to be changed and then press (ENT)
- 4 Press [↓] to display the “Active code” step
- 5 Press (CLR) to enable/disable the user code, press (ENT) to confirm)
- 6 Press (ESC) to exit

## Change User Code string

- 1 Enter the User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press the (1) “CODE” key followed by the (ENT) key
  - 3 Press (CLR) followed by the number of user code to be changed and then press (ENT)
  - 4 Press [↓] to display the “User label” step
  - 5 Press (CLR) to be able to change, press the alphanumeric keys to type a string of a maximum of 16 characters, press (ENT) to confirm
- ↻ Typing keys:: (1)abc1 (2)def2 (3)ghi3 (4)jkl4 (5)mno5 (6)pqr6 (7)stu7 (8)vwx8 (9)yz. (0)\_'0
- ↻ Press the arrows (←) and (→) to position the cursor
- 6 Press (ESC) to exit

## Circuit check of single sectors

- 1 Digit User Code you are in mode Circuit Check.

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2a If there are any open sectors, they will be visualized on display showing “**Sectors not ready**”.
- 2b If all sectors are closed, it will show “**Sectors Ready**”.

## Circuit check of the sectors with User “Sum of Sectors”

- 1 Digit User Code
- 2 Display shows the state of sector arming/disarming.
- 3 Press (0), to enter in mode Circuit Check.
- 4a If there are any open sectors, they will be visualized on display showing “**The name of the input open**”.
- 4b If all sectors are closed, it will show “**Sectors Ready**”.

## Quick Arm

---

Press **(ON) (ON) (ENT)**

**ON Arming:** \_\_\_\_\_

**Note:** if the sequence of pushbuttons is pressed on a keypad associated to a sector, that sector is armed; if it is associated to more sectors, these will be simultaneously armed.

## Normal Arming

---

The display shows the current date and hour

❶ Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

❷ The Display shows the system’s current situation.

❸ Press the key that corresponds to the type of Arming desired:

Press **(ON)** **ON Arming:** \_\_\_\_\_

## Contemporary Arming of more sectors

---

This function is active only for the users enabled to “Sum of Sectors”

The display shows the current date and hour

❶ Digit User Code

❷ The Display shows the system’s current situation.

❸ Digit **(0)** To enter the mode Sum and in order to temporarily operate on more sectors.

❹ Press the key that corresponds to the type of Arming desired.

❺ The red ON led will light up to indicate that the unit has been switched on and the arming mode will show on display.

## Macro activation by user code (A and B keys)

---

You can turn on the sectors associated to the “A-B” keys by simply pressing them after entering the user code.

The sectors associated to them must be agreed on with the installer during programming and are linked to the keypad/code performing the operation.

The display shows the current date and time

❶ Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

❷ Type the on command **A or B**

**Summary table of the A - B keys**

Description of the functions associated to the multi-function keys

**Keypad 1**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 2**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 3**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 4**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 5**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 6**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 7**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

**Keypad 8**

\_A\_ ( \_\_\_\_\_ )

\_B\_ ( \_\_\_\_\_ )

## Normal Arming with Zone Timers Off

---

The function “**OFF TIMES**” allows the User to eliminate the system input and output time, thus granting max security. In fact, eliminating these time lapses during partial arming will cause an immediate alarm in case of intrusion attempt, with no risky and unuseful delay.

This function is linked to the configuration of the Macro and should be agreed with the installer during programming

This function will automatically de-activate at following disarming of the system.

Any procedure of Tempi Off and Tempi On will be visualized in the events memory.

## Special Arming (by use of timer)

---

The automatic arming of the control unit is anticipated by the buzzer signalling on the keypad. During this signalling, it is possible to make the special arming in order to delay it of one hour. This operation can be made up to three times, after which the system will not accept any other special arming and will proceed to arm.

Display will show date and time and buzzer will sound

❶ Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

❷ Press on pushbutton (8) key to make special arming.

## Activation of the PATROL function

---

During arming of the system, it is possible to activate the PATROL function, allowing the passage to an area pre-set as PATROL via a group of detectors previously associated.

These detectors will exclude for a pre-set time lapse and will then re-activate automatically.

According to control panel programming, it is possible to ask for a confirmation of the dialling of the patrol user-code once the inspection is over.

The PATROL code cannot carry out the functions usually associated to the code.

Display will show date and time and buzzer will sound

❶ Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

## Quick disarming

---

Display shows time and date and arming mode

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Should it blink instead of switching off, that would mean that there has been an alarm. Furthermore display will visualize the alarm concerned sectors.

## Normal Disarming

---

Display shows time and date and arming mode

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press on **(5) “Off”**, control unit will be disarmed.
- 3 Should it blink instead of switching off, that would mean that there has been an alarm. Furthermore display will visualize the alarm concerned sectors.

## Contemporary disarming of more sectors

---

Display will show date and time

- 1 Digit User Code
- 2 Display will show sectors arming/disarming state.
- 3 Digit **(0)** (zero) to enter Sum mode
- 4 Press **(5) “Off”**, armed sectors will be disarmed
- 5 Press **(ESC)** to exit
- 6 Should it blink instead of switching off, that would mean that there has been an alarm. Furthermore display will visualize the alarm concerned sectors.

## Emergency code

---

The **Emergency Code** can be used to enable a silent anti-robbery alarm output if this output has been programmed by the Installer.

In this way, if an intruder has forced an authorized user (employee, etc.) to switch off the system under threat, a silent signal will be transmitted without the intruder’s knowledge.

The **Emergency Code** is a code that works in the same way as the User Code, and can therefore be used to switch off the control panel under threat.

The Emergency Code is automatically created by the control panel by adding “1” to the last digit in each User Code.

Enter the Emergency Code [**User Code + 1**]

### Example 1:

User code:                   5 4 6 3 2 1  
Emergency code:           5 4 6 3 2 2

### Example 2:

User code:                   5 4 6 3 2 9  
Emergency code:           5 4 6 3 2 0

## By-pass and Rearming of zone

When the system is off, you can make the exclusion zone.

There are two possible ways to exclude a zone; for one of them it is necessary to remind the number of zone to exclude/include; for the other one it is necessary to look through the menu of the reference zones to exclude/include

**Example:** Zone 2 must be by passed.

### ① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

### ② Press the (ZONE) “OFF-ZONE” key - (0)

#### 1° mode (a):

### ③a Press the key corresponding to the number of the zone to be by passed

### ④a Press (ENT) key to confirm

### ⑤a Press (ESC) key to exit

#### 2° mode (b):

### ③b Look through the list of the reference zones until reaching the one you wish (↓)

### ④b Press (ENT) key to confirm,

### ⑤b Press (ESC) key to exit

### ⑥ The display will show which zone has been by passed and the green OK Led will begin flashing in order to indicate that the zone has been by passed.

**In order to un by pass the zone(s) by passed, the same procedure used for zone by passing must be used.**

## Variation of telephone number

When the control panel is off, it is possible to change the telephone numbers.

### ① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

### ② Press (1)

### ③ Press (↓) repeatedly to the “Number telephone” step and then press (ENT)

### ④ Press (CLR), select memory position (1)..(16) and (ENT)

### ⑤ Press (CLR), the (new telephone number) and (ENT)

### ⑥ Press (ESC) to exit

**Any change of telephone numbers must be followed by a total test of the system.**

**Note:** It is possible to vary the concerned telephone numbers and the vocal and SMS ones only.

## Disabling of the buzzer

---

The sound of the internal buzzer in each keypad can be disabled.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1)
- 3 Press (↓) repeatedly to the “**Beep of keys**” step and then press (ENT)
- 4 Press (CLR) key to vary - Press (ENT) key to confirm
- 5 Press (ESC) key to exit

**In order to re-enable the sound of the internal buzzer in each keypad, the same procedure used for buzzer disabling must be adopted.**

## Variation of Date and Time

---

When the control panel is off, it is possible to change the Date and Time.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1)
- 3 Press (↓) repeatedly to the “**Date/Time**” step and then press (ENT)
- 4 Press (CLR) to change - Enter the desired numerical value - Press (ENT) to confirm variations; With (↓) you can see the other programming (*Hour - Minutes - Day - Month - Year*)
- 5 To leave, press (ESC)

## Timer bypass

---

And ‘possible inhibition of the Scheduler.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1)
- 3 Press (↓) repeatedly to the “**Timer bypass**” step and then press (ENT)
- 4 Press (CLR) key to vary - Press (ENT) key to confirm
- 5 Press (ESC) key to exit

**In order to re-enable the Timer the same procedure used for disabling must be adopted.**

## Information SIM in the GSM module

### Remaining Credit

It is possible to check the SIM Card remaining credit.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1)
- 3 Press (↓) repeatedly to the “**XGSM**” step
- 4 Press (ENT)

**Note:** If your credit is not available you will see a question mark (?)

- 5 Press (ESC) key to exit

### Intensity of GSM Net

It is possible to check intensity of GSM Net.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1)
- 3 Press (↓) repeatedly to the “**XGSM**” step
- 4 Press (ENT)
- 5 Press (↓) repeatedly to the “**GSM field level**” step

**Note:** More sticks are displayed (up to 5), the stronger the signal is

- 6 Press (ESC) key repeatedly to exit

### Expiry Date of Sim Card

It is possible to vary the expiry date of the Sim Card.

This operation is necessary any time a SIM recharge is made, in order to have the control unit warning about the Sim Card expiry date, whether enabled by the installer.

It is recommended to set the warning quite in advance in order to avoid any possible block by the Provider.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1)
- 3 Press (↓) repeatedly to the “**XGSM**” step
- 4 Press (ENT)
- 5 Press (↓) repeatedly to the “**SIM expir. month**”
- 6 Press (ENT)
- 7 Press (CLR) key to vary - Enter the required numerical value - Press (ENT) key to confirm;
- 8 Press (ESC) key repeatedly to exit

## Information SIM in the XGSM 485 / XGSM 485 PRO module

### Remaining Credit SIM A e/o SIM B

It is possible to check the SIM Card to **SLOT A** and/or to **SLOT B** remaining credit.

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1)

③ Press (↓) repeatedly to the “**XGSM 485**” step

④ Press (ENT)

⑤ Press (↓) repeatedly to the “**SIM A**” o “**SIM B**” step

⑥ Press (ENT)

**Note:** If your credit is not available you will see a question mark (?)

⑦ Press (ESC) key repeatedly to exit

### Intensity of GSM Net

It is possible to check intensity of GSM Net.

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1)

③ Press (↓) repeatedly to the “**XGSM 485**” step

④ Press (ENT)

⑤ Press (↓) repeatedly to the “**SIM A**” o “**SIM B**” step

⑥ Press (ENT)

⑦ Press (↓) repeatedly to the “**GSM field level**” step

**Note:** More sticks are displayed (up to 5), the stronger the signal is

⑧ Press (ESC) key repeatedly to exit

### Expiry Date of Sim Card

It is possible to vary the expiry date of the Sim Card.

This operation is necessary any time a SIM recharge is made, in order to have the control unit warning about the Sim Card expiry date, whether enabled by the installer.

It is recommended to set the warning quite in advance in order to avoid any possible block by the Provider.

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1)

③ Press (↓) repeatedly to the “**XGSM485**” step

④ Press (ENT)

⑤ Press (↓) repeatedly to the “**SIM A**” o “**SIM B**” step

⑥ Press (ENT)

⑦ Press (↓) repeatedly to the “**SIM expir. month**” step

⑧ Press (ENT)

⑨ Press (CLR) key to vary - Enter the required numerical value - Press (ENT) key to confirm;

⑩ Press (ESC) key repeatedly to exit

## Informazioni ID panel (Panel ID)

---

It is possible view the code associated to the control panel.

This code is required to complete the registering on the website [www.myavsalarm.com](http://www.myavsalarm.com) to enable the App Manager.

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1) key
- 3 Press (↓) repeatedly to the “Panel ID” step
- 4 Press (ENT)

**Note:** If the code is not enabled or not available, the display not shows information about.

- 5 Press (ESC) key repeatedly to exit

## Speaker/ Display - Led - Keypad

---

It is possible to vary the setting of A500Plus.

This operation allows to vary the audio volume, the enabling or not of the audio emission of the zones status, the display contrast, the LED brightness and the rear-lighting

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (1) key followed by the (↑)
- 3 Press (ENT) to enter the sub-menu
- 4 Press (↓) to select one of the settings available - Press (CLR) to vary the parameters set  
- Press (ENT) to confirm variations
- 5 Press (ESC) key repeatedly to exit

### Note:

- **Audio of Zones/OC/Events status:** set as YES, it allows the communication of the zones/oc opening to the keypad and the other events enable.

- **Audio Volume:** settings available : Mute, Low . Medium - High. “Mute” deactivates the audio of the keypad for any communication (events and zones status).

## Function RTC by use A500Plus

---

You can make on the keyboard any function usable with phone line (see chapter “Controls DTMF”)

- 1 Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

- 2 Press (7) key
- 3 Enter the DTMF commands used for the phone RTC
- 4 Press (ESC) key repeatedly to exit

## Zone test

---

You can perform a manual test of the alarm zones to check that they are working properly.

**Note:** alarm zones are displayed based on the peripheral they belong to (controller, satellite and keypad) and the physical terminal block they are connected to (e.g., M.BA 1 = Base Terminal Block 1 or M.ES.5 = Expansion Terminal Block 5).

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1) key

③ Press (↓) repeatedly to the “Zones Walk Test” step

④ Press (ENT)

⑤ Press (↓) to select the desired peripheral between “Control panel”, “Keypads”, “Satellite address”

⑥ Press (ENT).

**NOTE: YES = zone alarm or alarm memory / NO = not in alarm zone**

(a) Press (↓) to display the next group of zones and/or (CLR) to exit

(b) For satellites, press (CLR) to change the number of satellites to be monitored.

(c) Press (→) (←) to select the zone to see and / or press (5) to activate and deactivate the alarm memory zones

⑦ Press (CLR) and (ESC) to exit

## Test outputs

---

A manual test for all the alarm outputs can be performed to check correct operation or attract attention whenever potentially dangerous situations occur.

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1) key

③ Press (↓) repeatedly to the “Test outputs” step

④ Press (ENT)

⑤ Press (ENT) to activate the test or (CLR) to cancel

**All the alarm signals and the inside and outside sirens will be enabled for 3 seconds and then automatically reset.**

**The auto-test of the system will also be executed.**

⑥ Press (ESC) key repeatedly to exit

## Commands with HELP text

---

You can perform any operations allowed by your code using a “HELP Text” menu

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1) key

③ Press (↓) until the desired function and then press (ENT) to perform the function

④ Press (ESC) key repeatedly to exit

## Panic Message

---

*A500/A500Plus:* Press the (F1) followed by (F4)

## Fire Message

---

*A500/A500Plus:* Press the (F2) followed by (F4)

## Medical Message

---

*A500/A500Plus:* Press the (F3) followed by (F4)

## Polling the memory events

---

The memory events of the control panel can be displayed at any moment. The events shown will only be the reference ones.

① Digit User Code

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (MEM) The latest event will appear on the display, along with its date and hour.

③ By pressing (↓) key, all the other events will be displayed in reverse chronological order.

④ By pressing (CLR) again, the string for the zone in alarm is displayed..

⑤ By pressing the (CLR) key, further information on the telephone number that had a successful communication result can be obtained,

⑥ To exit the procedure, press (ESC)

## Enable Installer

---

Enables the installer to program via keypad, direct connection via USB or a remote connection via telephone line (with EN 50131 conformity active)

① Digit User Code:

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press (1)

③ Press (↓) repeatedly to the “**Enable install.**”

④ Press (ENT)

⑤ Press (ESC) key repeatedly to exit

## O.C. (Open Collector) enabling

---

The outputs enabled, that the control panel has got, can be manually controlled and adopted for other uses. There are two ways to operate on the active outputs; for one of the systems it is necessary to remind the number of the output to activate/de-activate; for the other system it is necessary to look through the reference outputs

**Example:** a device can be enabled or disabled either by telephone or by keypad (see this chapter) for general applications (heating, sprinkling, ventilation, automatism, etc.)..

① Digit User Code:

**Note:** if the user code is associated to multiple sectors and the “Skip sector selection” option is not active, you will be asked to select the sector to work in.

② Press “**output**”

1° mode (a):

③a Enter the number corresponding to the output to be enabled

④a Press (ENT) key to confirm,

2° mode (b):

③b Look through the list of the active outputs until reaching the one you wish (↓)

④b Press (ENT) key to confirm,

⑤b Press (ESC) key repeatedly to exit

## Activation of multi-function pushbuttons

---

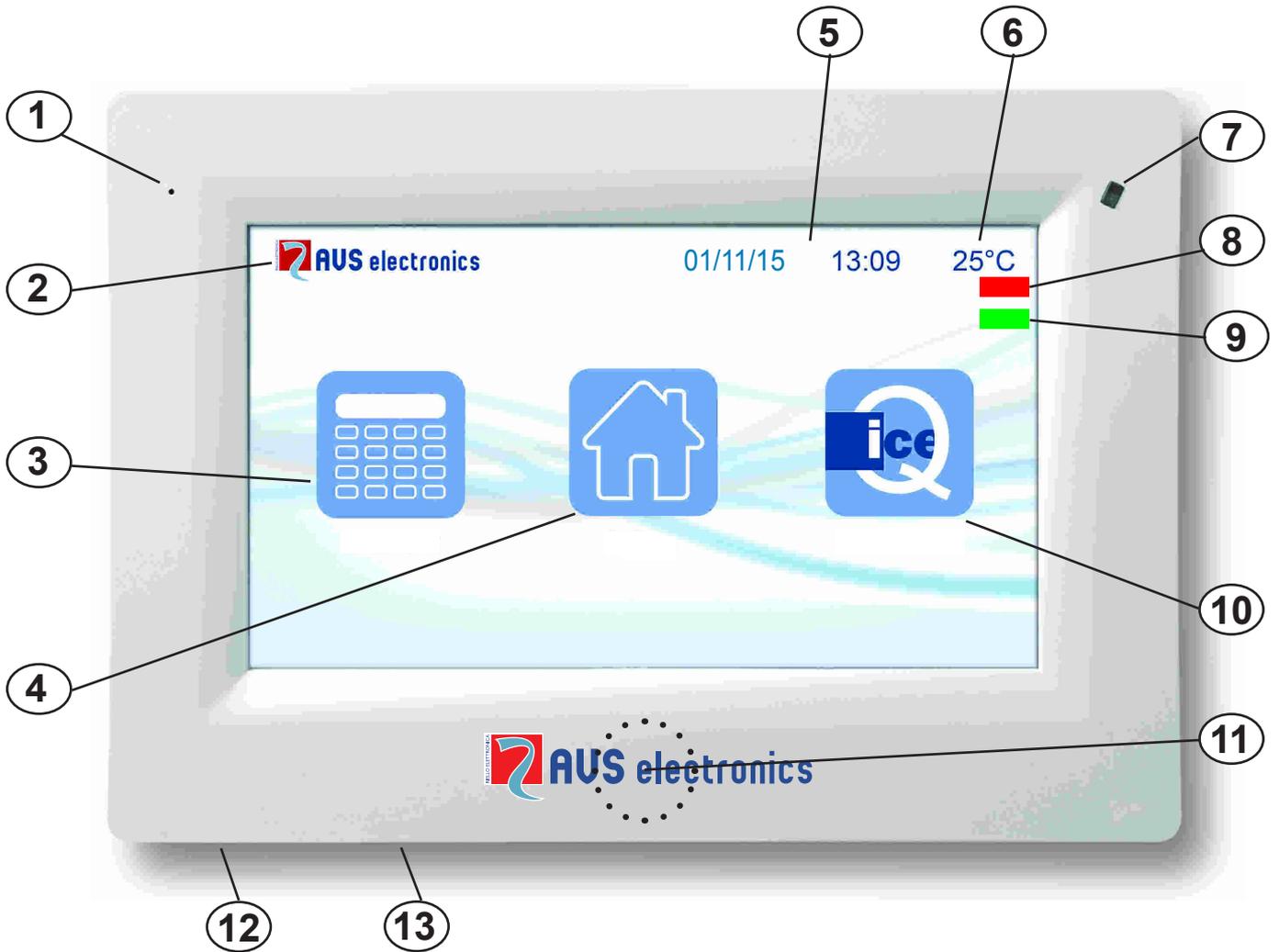
A simple operation allows to activate the functions associated to pushbuttons “A - B”, at any time, with no need of dialling User Code.

The function associated is determined by the installer during programming and is linked to the keypad on which the operation is made.

① Dial the multi-function command (“**A - B**”) followed by (ENT)

# ICE KEYPAD

## Description of the ICE keypad



1		MICROPHONE - FUTURE USES
2		LOGO - ACCESS TO NOTIFICATIONS CENTRE
3		ACCESS IN KEYPAD MODE
4		ACCESS IN APP MODE
5	<b>01/11/15 13:09</b>	SYSTEM DATE AND TIME
6	<b>25° C</b>	TEMPERATURE DETECTED BY KEYPAD
7		LED - FUTURE USES
8		RED LED - POWER OFF (White) or POWER ON (Red)
9		GREEN LED - SYSTEM NOT READY (White) or SYSTEM READY (Green)
10		ACCESS IN QUICK ARM MODE
11		LOGO - TOY READER
12		SLOT FOR MICRO SD CARD (FOR INSTALLER)
13		MINI USB PORT (FOR INSTALLER)

## Functions described in this manual

- The following functions must be enabled by the installer.
- Some functions may not be active and could vary slightly on the display.
- To identify the buttons and LEDs described for the various functions, refer to the table in chapter "Keypad Description" of the respective model.

## Display illumination

Touch the screen to activate the backlighting that remains in effect until the time set in "Duration of Backlighting" in the menu:  > User Code > 

## Display LED



### **Red Led - System armed**

- If on, the sector/s, associated to keypad, is armed in one of its modes.
- If off, the sector/s, associated to keypad, is disarmed.
- If flashing, the sector/s, associated to keypad, is disarmed and an alarm has occurred during the previous arming.
- If flashing quickly, at least one of the sectors associated to keypad, is armed.

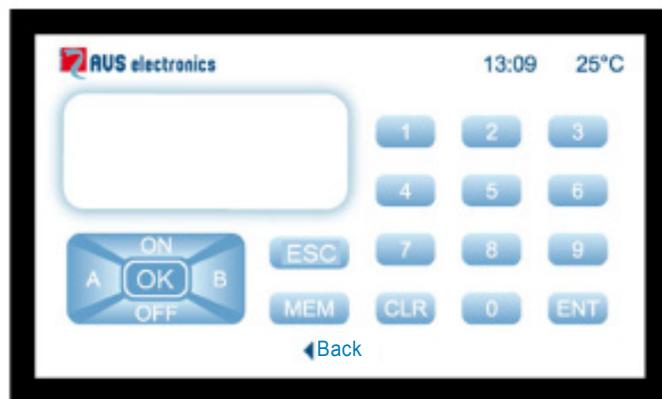
### **Green Led - System ready**

- If on, all the zones are ready to be enabled.
- If off, at least one of the zones is open.
- If flashing, at least one zone has been by-passed.

## Operating mode

To unlock the keypad, swipe from left to right where you see " >> >> >> ", then select the required mode by touching:  **Keypad mode**,  **App mode**,  **Quick mode**

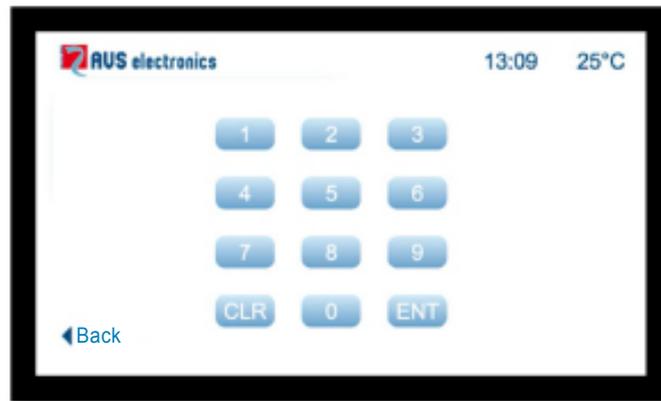
### **Keypad mode (if enabled in setup):**



- Key in the user code to enter.

To use keypad mode, please refer to the **User Manual for Keypad type A500**

## App mode:



- Key in the six-digit user code to enter:



- Select the required menu:

- **Zones:** Click on the icon  to view and manage the zones of the system.

Use the "Up/Down" arrows to scroll between the zones; those with descriptions in red are "in alarm mode/open".

**To disable a zone:** click on the zone and then "Disable", and confirm.

### Info on zones:

- **Zone status:** closed / open
- **Zone Active** (Yes/No): zone powered up
- **Zone Disabled** (Yes/No): zone disabled or enabled

**Zone filter**  (top right): It is possible to select visualisation of All the zones and only the ones that are Open; or only those that are Disabled or in Fault mode.

- **Sectors:** Click on the icon  to view and manage the modes of your system.

Use the arrows to scroll between the various sectors.

This menu gives the: Name of Sector / Zone status / Sector status.

**Zone status:**  At least one zone open /  all the zones of the sector are closed

**Sector status:** DIS = Sector DISabled / ON = Sector turned ON / HO = Sector On in HOme mode / AR = Sector On in ARea mode / PE = Sector On in PErimeter mode

**To turn ON/OFF:** touch ">" next to the sector.

**Macro activation:** touch of << A >> or << B >> to activate the desired **Macro activation**.

- **Functions:** Click on the icon  to view and manage the functions (Home Commands).

Use the arrows at the side to scroll between the various functions.

This menu gives the: Name of function / Function status

**Green icon:** function enabled / **Grey icon:** function NOT enabled

- **Events:** Click on the icon  to view the latest events saved on the control panel.

Use the arrows to scroll between the various pages of the events log.

- **Settings:** Click on the icon  to view and manage some of Ice's settings:

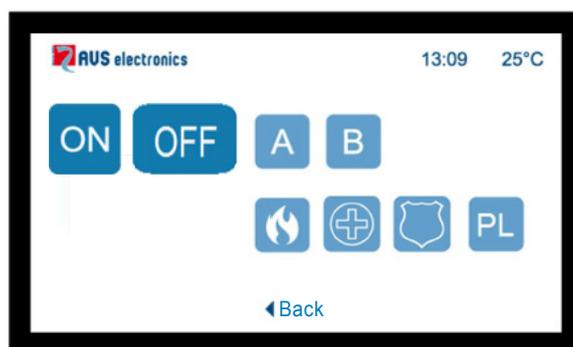
- **Key sound:** it is possible to enable/disable the sound of the virtual keys when pressed
- **Thermometer:** it is possible to correct the indications of the thermal probe up to a maximum of - 9°
- **Number of Events:** it is possible to set the maximum number of events to be shown on Ice (max 200 ev.)
- **Duration of Backlighting:** it is possible to set the standby time of the display (max 3 min.)
- **Display in Standby always OFF:** it is possible to enable/disable powering off of the display for as long as it remains in standby

Use the arrows at the side to scroll between the various settings.

Touch ">" to edit the settings

- **Diagnostics:** Click on the icon  to display system data, including:
  - Credit on Sim Card
  - System faults

#### Ice QUICK mode (if enabled in setup):



- **Events:** Click on the icon  to perform some quick commands:

All the quick functions are activated by touching the command icon twice.

- Turn on 
- Turn off , this command requires additional confirmation of the user code.
- The icons   perform the functions associated by the installer.
- The Fire Dispatch icon  (this can be disabled in the Installer Setup)
- The Medical Dispatch icon  (this can be disabled in the Installer Setup)
- The Panic Dispatch icon  (this can be disabled in the Installer Setup)
- The Cleaning icon  activates a 30-second hold to permit cleaning of the screen

**NOTE:** This screen may not display the dispatch icons if these are disabled in the installer setup.

## Remote Telephone Control of the system

The RTC (**Remote Telephone Control**) function, permits access to determined control panel operations using a DTMF telephone connected to the **telephone system** or a **mobile telephone**.

### How to call the system !

Dial the telephone number where the control panel is installed .

When the telephone has rung the number of time required, a synthesized voice will announce that the User Code must be entered.

**If an automatic answering machine is connected to the line, it can be by-passed by proceeding as follows:**

- a. Dial the telephone number and let the telephone ring once.
- b. Hang up the receiver.
- c. Dial the telephone number again at least 8 seconds later but no later than 20 seconds from the telephone's first ring.
- d. A synthesized voice will announce that the User Code must be entered.

Dial the User Code slowly and a synthesized voice will announce whether the User Code has been recognized or not.

Digit the sector if required

**Now the various functions can be enabled, remembering to wait until the control panel's two-tone signal is heard before entering each command.**

### DTMF Controls

- **[0] OFF ZONE:** Press this key to by-pass the zone(s).

**Example:** to by-pass zone 2;

Press these keys in the following order **[0] + [2] + [#]**

- **[1] SECTOR:** to change sector if the user is enable to operate on all S.
- **[2] MEM:** to see the memory events
- **[3] - [4] OFF TEL:** this causes the forced interruption of the telephonic communication.
- **[5] OFF:** control panel switch off..
- **[6] O.C.:** permits the control of the Open Collector outputs.

Example: in order to enable OC output number 2, press these keys in the following order **[6] + [2] + [#]** (equal to the disabling procedure). The use of various O.C. outputs is generic and must be determined during installation of the system.

- **[7] TEST:** information on the situation of the entire control panel.
- **[9] ON:** control panel switch on in ON mode.
- **[#] ENTER:** To push to confirm a data dialled on the keypad
- **[\*] STOP:** To push to break a function (e.g. the list of the memory events)

### Closing of a Communication

By use of pushbutton [3] (it activates only if "Comm. Break" is enabled in the User Profile) it is possible to break the entire cycle of **VOCAL calls** pressing on pushbutton 3

By use of pushbutton [4] (always active) it is possible to break only the telephone calls addressed to the telephone numbers included in the profile, pressing on pushbutton **[4]** during.

### RTC Activation after a Communication

After having received a call and having listened to the entire message, after the bi-tone, it is possible to press on pushbutton **[7]** in order to activate the RTC procedure and manage the system as it is described in the chapter referring to the "Remote Telephone Control" (**it activates only if "enables RTC" is enabled in the profile**). If "Comm. Break" is enabled in the profile, it also makes the total block of the following vocal calls..

## Management of SMS on the way out

The control panel has the possibility of sending specific messages according to the events generated.. These messages can be both technical or alarm messages and/or of inputs restore.

**Technical Messages:** they are related to situations such as supplying anomalies, as battery and are automatically dialled making use of a library of per-recorded messages.

Zone messages: are related to signalling of zone inputs for both alarm communication, restore and exclusion.

The zone SMS are dialled by the sequence of 4 standard words to which a zone strip can be added.

## Management of incoming SMS

It is possible to ask the control panel the execution of commands from remote way, using sms appropriately codified.

The same operations as for the vocal RTC connection can be required.

**The incoming sms are executed only if:**

- the calling telephone number is associated to a user
- the associated user is enabled to RTC with automatic validation according to telephone number
- their syntax is correct
- require actions to which the user is enabled

More commands can be put in the end of the same message, provided that:

- the total length is not over 46 characters
- the commands are separated by #
- any command is preceded and followed by #

## List of the Commands

Type	Syntax	Example
oc activation	#act number_oc#	#act 13#
oc deactivation	#deact number_oc#	#deact 13#
control panel arming	#act [on ho zo pe] sector#	#arm ho 2#
control panel disarming	#sp sector#	#sp 2#
zone exclusion	#excl number_zone#	#excl 12#
zone inclusion	#incl number_zone#	#incl 12#
sector state request	#state sector N#	#state sector 2#
sectors state request	#sectors state#	#sectors state#
zone state request Referred to: Open/Tamper/Excluded/Supervision	#state zone N#	#state zone 2#
zones state request	#zones state#	#zones state#
output state request	#state output N#	#state output 5#
outputs state request	#outputs state#	#outputs state#
system state request Referred to: technical anomalies	#system state#	#system state#
confirm operations	#res#	#res#
calls block	#stop#	#stop#

- **Example** of CORRECT sequences: #excl 12#excl 15#arm on 2#zones state#

**Nota:** The exceeding space will be removed

**Command #answ# and the SMS of #state ... #**

Only command #answ# and the SMS of #state ... # envision the sending of a reply message; the others do not generate feedback (not even in case of error).

**Command #answ#**

The command #answ# sends, in one or more SMS, confirmation of the controlled operations; it can be included anywhere inside the SMS.

**Command #system state#**

The command #system state# sends, in one or more SMS, also including:

- SIM CARD residue credit.

**Section Zone - Exclusions - outputs**

The “zones” and “exclusions” sections contain the number list of the relative zones (number sequence separated by spaces).

An SMS is sent; every section is contained in only one SMS, but an SMS can contain more sections.

Should the individual section have such a size to exceed the max limit envisioned, the message is stopped and ended with suspension dots.

**Example: #zone 1 2 23 open ...#**

In this case, the exceeding parameters are not communicated.

**Summary-Chart of multi-function pushbuttons**

Description of the functions associated to multi-function pushbuttons

“A - B”	Function
A	( _____ )
B	( _____ )

**Maintenance of the system**

**“Sys. Maintenance” is a message reminding to call the installer for ordinary maintenance of the system.**

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Country: \_\_\_\_\_

Town: \_\_\_\_\_

Telephone: \_\_\_\_\_

Cell phone: \_\_\_\_\_

Date of installation: \_\_\_\_\_

Warranty: \_\_\_\_\_

First intervention: \_\_\_\_\_

Second intervention: \_\_\_\_\_

