



## By-alarm 01705

LED backlit keypad with display



## Contents

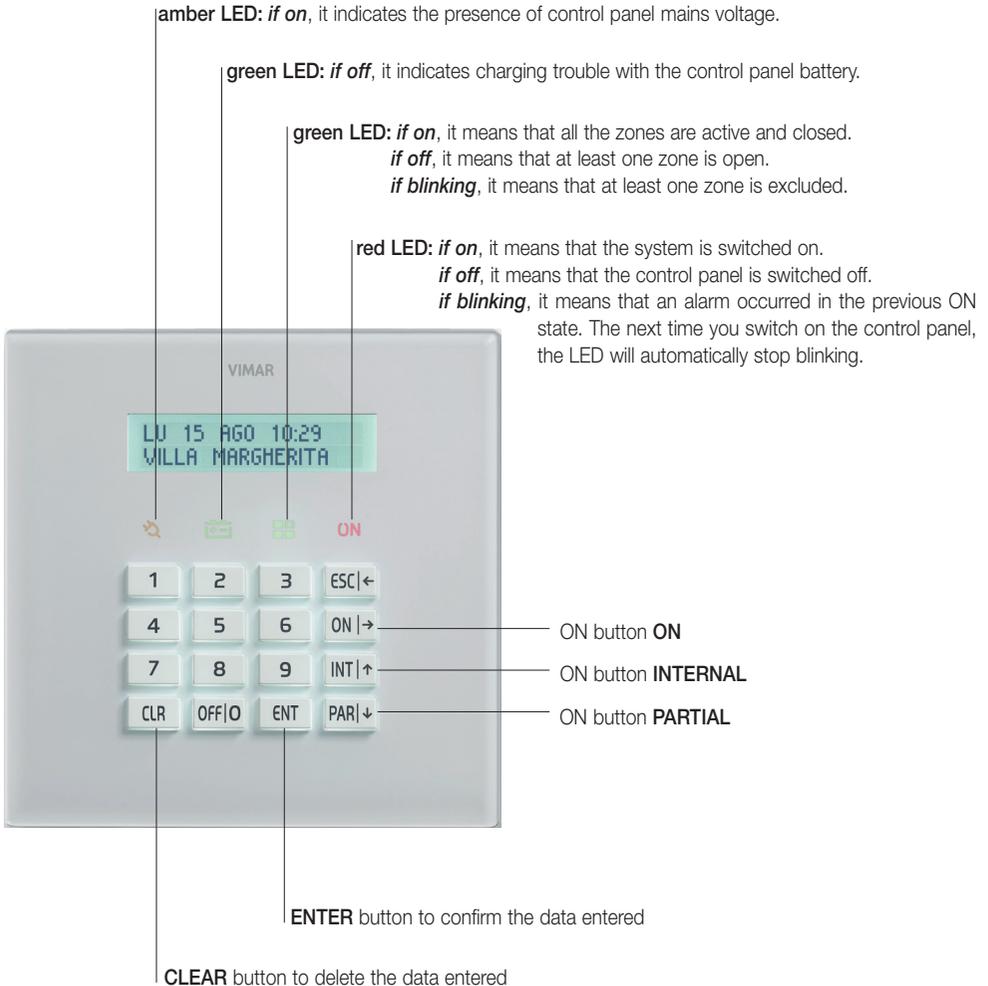
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## User activations

### 1. USER ACTIVATIONS

#### 1.1 Buttons, controls and indicators on the keypad



## User activations

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### 1.2 Direct warnings on the display

- Normally, the display shows the day of the week, the date and time and a second line of information.



TH 08 JUN 19:32  
MARGARET'S HOME

Control panel fault statuses, when they occur, appear directly on the display:

- No mains voltage



TH 08 JUN 19:32  
NO MAINS

- Battery level



FR 09 MAY 20:12  
MALFUNCT. BATTERIES

- Control panel anti-tampering



SA 10 MAY 23:37  
TAMPER

Similarly, the states of the control panel appear directly on the display and on the keypad; for example:

- Control panel on



CONTROL PANEL ON

- Zone alarm



SA 10 MAY 21:28  
ENTRANCE SENSOR

## User activations

### 1.3 Keypad locking

You can lock each keypad with a simple operation to avoid inadvertently pressing buttons or activating the related functions.

- a) Press the **INT** and **7** buttons simultaneously.



### 1.4 Keypad unlocking

To unlock the keypad you need to perform the same procedure as for locking the keypad.

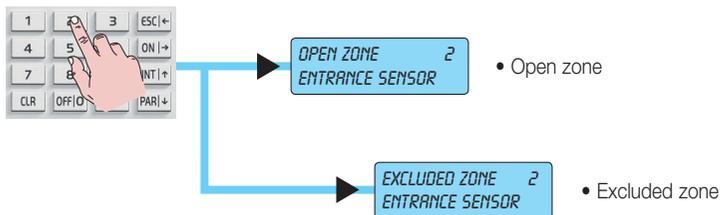
- a) Press the **INT** and **7** buttons simultaneously.



### 1.5 Indicators on display with User Code

The indicators for any open or excluded zones are displayed, for security reasons, after entering an enabled User Code.

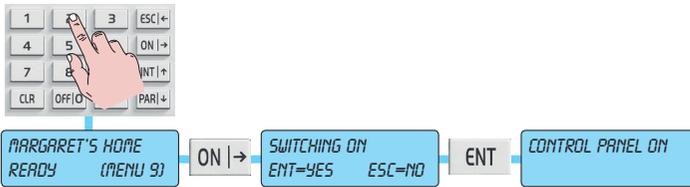
- On entering the User Code, the display will indicate whether some zones are open or have been excluded:



## User activations

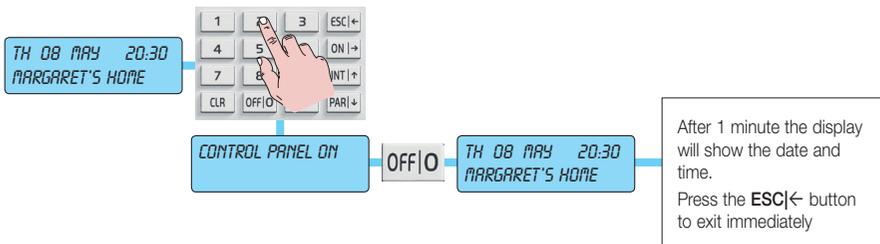
### 1.6 Total switch-on with Code

- The display shows the current date and time.
- Enter the **User Code**.
- The display will show all the information relating to the open or excluded zones.
- Press the button corresponding to total switch-on: **ON**.
- The display must not indicate any open zones and the **green circuit test LED**  must be **ON**.  
If it is off, it means that at least one zone is open. In this case, do not continue with switching on the control panel or you will trigger a control panel alarm status. The zones indicated as open must be checked and, then, closed or excluded (see "Zone management" on page 17).
- Press the **ENT** button to confirm switching on the control panel in **ON** mode.  
The red LED on the keypad will light up.



### 1.7 Switching off from total switch-on with Code

- The display shows the current date and time.
- Enter the **User Code**.
- The display will confirm recognition of the User Code and show the status of control panel switch-on; then, press the **OFF** button.
  - The red **ON** LED will go out on the keypad.  
If it blinks instead, it means there has been an alarm in the previous switch-on state; in this case the display will also indicate which zone caused it. This alarm memory will be automatically reset the next time you switch on.



## User activations

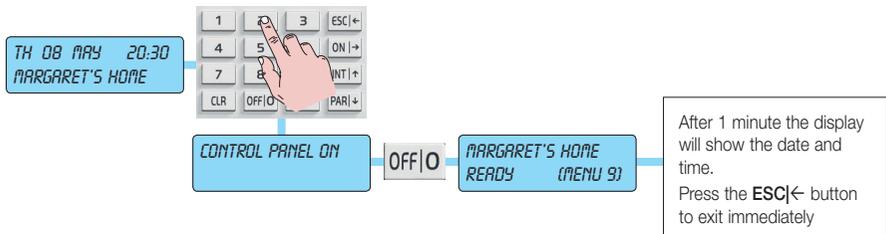
### 1.8 Internal or partial switch-on with Code

- The display shows the current date and time.
- Enter the **User Code**.
- The display will give all the information relating to the open or excluded zones.
- Press the button corresponding to **INT**ernal or **PAR**tial switch-on.
- The display must not indicate any open zones and the **green circuit test LED**  must be **ON** or **blinking** to signal the excluded zones.  
If instead it is off, it means that at least one zone is open. In this case, do not continue with switching on the control panel or you will trigger a control panel alarm status. The zones indicated as open must be checked and, then, closed or excluded (see "Zone management" on page 17).
- Press the **ENT** button to confirm switching on in **INT**ernal or **PAR**tial mode.
  - N.B.:** Press button **1** to activate special switch-on; this switch-on mode automatically clears all the output delays related to the timed lines.  
The red LED on the keypad will light up.



### 1.9 Switching off from internal or partial switch-on with Code

- The display shows the current date and time.
- Enter the **User Code**.
- The display will confirm recognition of the User Code and show the status of control panel switch-on; then, press the **OFF|O** button.
  - The red **ON** LED will go out on the keypad. If it blinks instead, it means there has been an alarm in the previous switch-on state; in this case the display will also indicate which zone caused it; this alarm memory will be automatically reset the next time you switch on.



## User activations

### 1.10 Switching on the control panel in “FAST MODE”

If you enabled fast switch-on, you can switch on the control panel without having to enter the User Code.

- The display shows the current date and time.
- Press the button corresponding to the desired switch-on 3 times:

- Switching ON



- Switching on **INT**ernal



- Switching on **PART**ial



With fast **INT**ernal and **PART**ial switching on, the exit and re-entry times for the timed lines will always be available

### 1.11 Switching off the control panel in “FAST MODE”

- The display shows the current date and time.
- Enter the **User Code**.
- The control panel will switch off immediately, showing the current date and time.

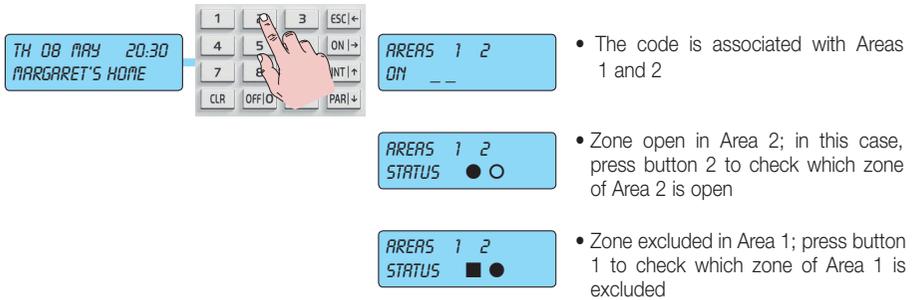
The red ON LED will go out on the keypad. If it blinks instead, it means there has been an alarm in the previous switch-on state; in this case the display will also indicate which zone caused it; this alarm memory will be automatically reset the next time you switch on.



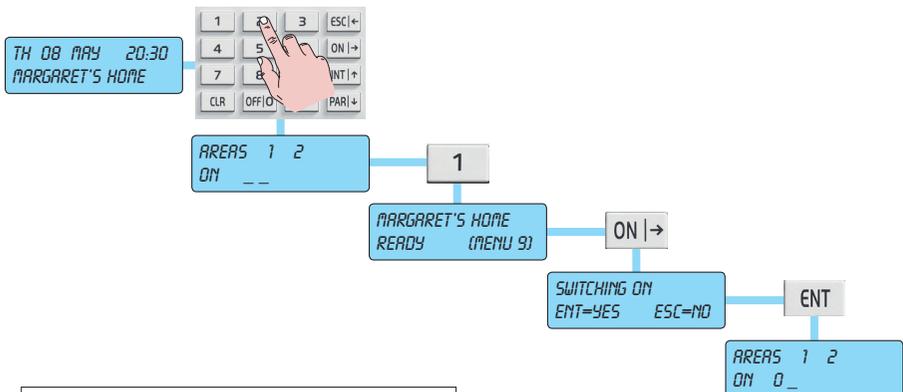
## User activations

### 1.12 Switching on different systems with Code

- The display shows the current date and time.
- Enter the **User Code**.
- Only on the keypad where you are working, the display will show only the Areas associated with the entered Code and faults will only be shown on the display if they occur, by means of graphic symbols.



- If you want to switch on **Area 1**, press button **1** to select the Area.
- The display will show "System Name READY".
- Press the **ON**, **INT**ernal or **PAR**tial button to switch on the selected Area.
- Press the **ENT** button to confirm. Switch-on in the selected mode will be indicated on Area 1. **[O]** for **ON**, **[I]** for **INT**ernal and **[P]** for **PAR**tial.
- Proceed in a similar fashion to switch on the other Areas.

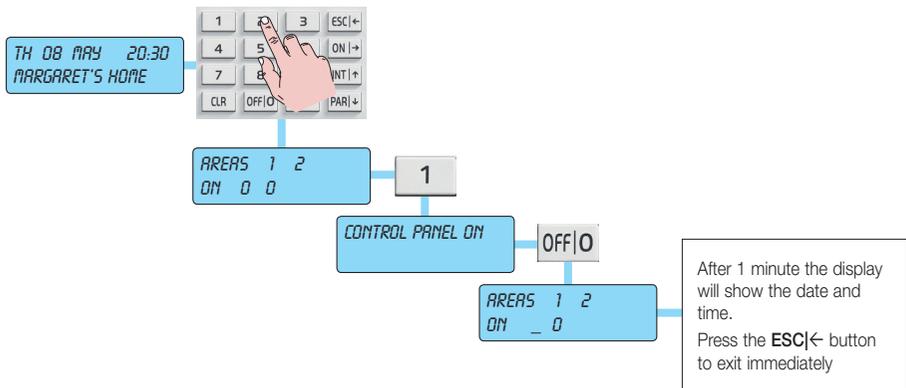


Example of switching on Area 1 in ON mode

## User activations

### 1.13 Switching off different systems with Code

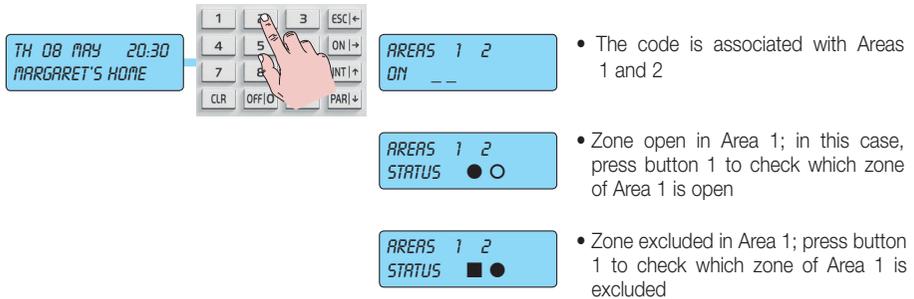
- The display shows the current date and time.
- Enter the **User Code**.
- Only on the keypad where you are working, the display will show only the Areas associated with the entered Code and the switch-on modes for each single Area. [O] for **ON**, [I] for **INT**ernal and [P] for **PAR**tial.
- If you want to switch off **Area 1**, press button **1** to select the Area.
- The display will show “**CONTROL PANEL ON**”.
- Press the **OFF|O** button to switch off the Area. The display will return to showing the status of all the systems.
- In a similar manner, you can switch off the other Areas.



## User activations

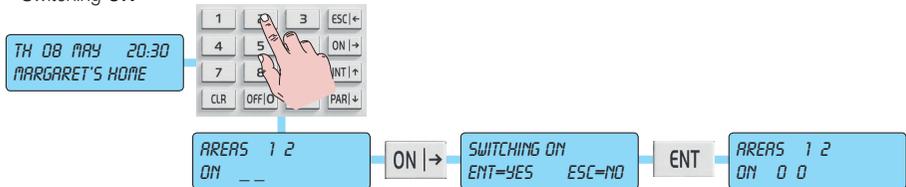
### 1.14 Switching on multiple systems in “FAST MODE” (if programmed)

- The display shows the current date and time.
- Enter the **User Code**.
- The display will show only the Areas associated with the entered Code and faults will be displayed, by means of graphic symbols, only if they occur.

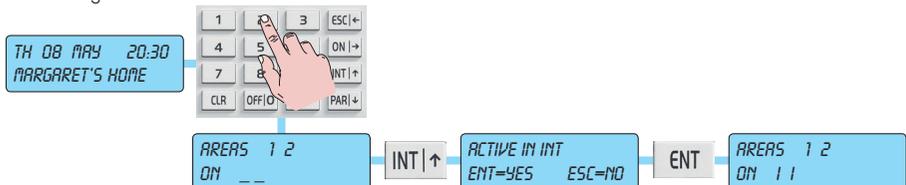


- If you want to switch on all the Areas in a single mode (**ON**, **INT**ernal or **PART**ial), you need to press the button corresponding to the chosen mode.

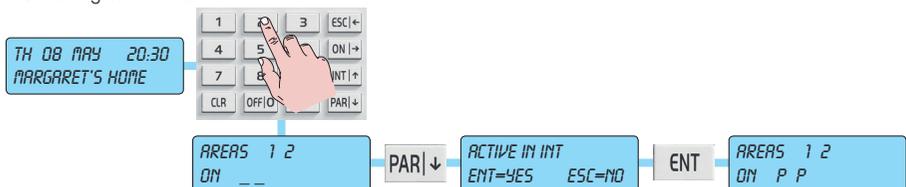
#### • Switching ON



#### • Switching on INTernal



#### • Switching on PARTial

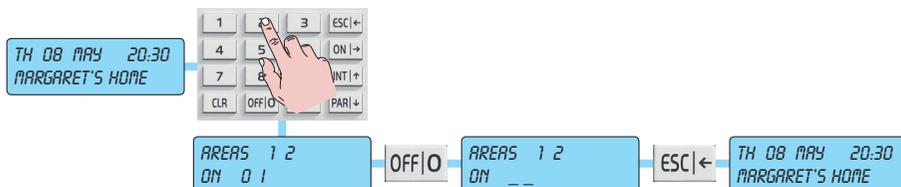
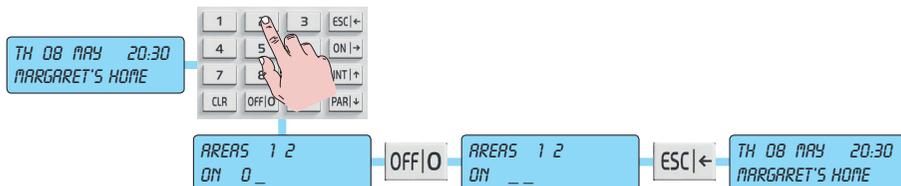
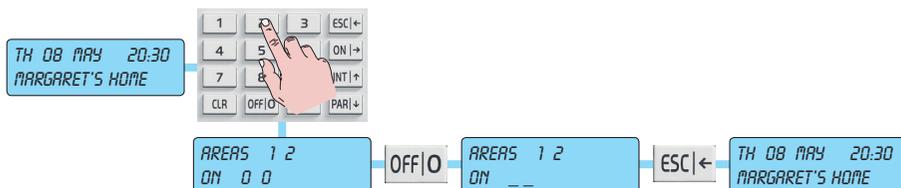


## User activations

### 1.15 Switching off multiple systems in “FAST MODE” (if programmed)

- The display shows the current date and time.
- Enter the **User Code**.
- The display will show only the Areas associated with the entered Code and the switch-on mode for each single Area; [O] for **ON**, [I] for **INT**ernal and [P] for **PAR**tial.
- Press the **OFF|O** button to switch off all the Areas simultaneously.

- Examples of general shutdown:



## User activations

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### 1.16 How to activate direct alarm calls

There are particular emergency situations that, at any time, should trigger the corresponding telephone communications extremely quickly; for this reason, simply by pressing certain buttons, you can invoke emergency functions:

**PANIC:**   Keeping the **ON** and **4** buttons pressed activates the outputs programmed as “*panic message*” and a phone call is made to the programmed numbers, communicating a **PANIC ALARM**, that can be associated with an emergency status for attempted robbery.

**FIRE:**   Keeping the **ON** and **5** buttons pressed activates the outputs programmed as “*fire message*” and a phone call is made to the programmed numbers, communicating a **FIRE ALARM**.

**DOCTOR:**   Keeping the **ON** and **6** buttons pressed activates the outputs programmed as “*doctor message*” and a phone call is made to the programmed numbers, communicating a **DOCTOR CALL**.

## Functions and settings

### 2. FUNCTIONS AND SETTINGS

Directly from the keypad you can activate functions of control and customization.

To reach the User functions menus:

#### With Code associated with a system

- The display shows the current date and time.
- Enter the User Code.
- Press button **9** to reach the first User menu.
  - Using the arrow buttons **INT|↑** and **PAR|↓** you move forward or backward in viewing the various User Functions; with the **ENT** button you enter the function's configuration mode.
  - All the functions are illustrated on the next page.



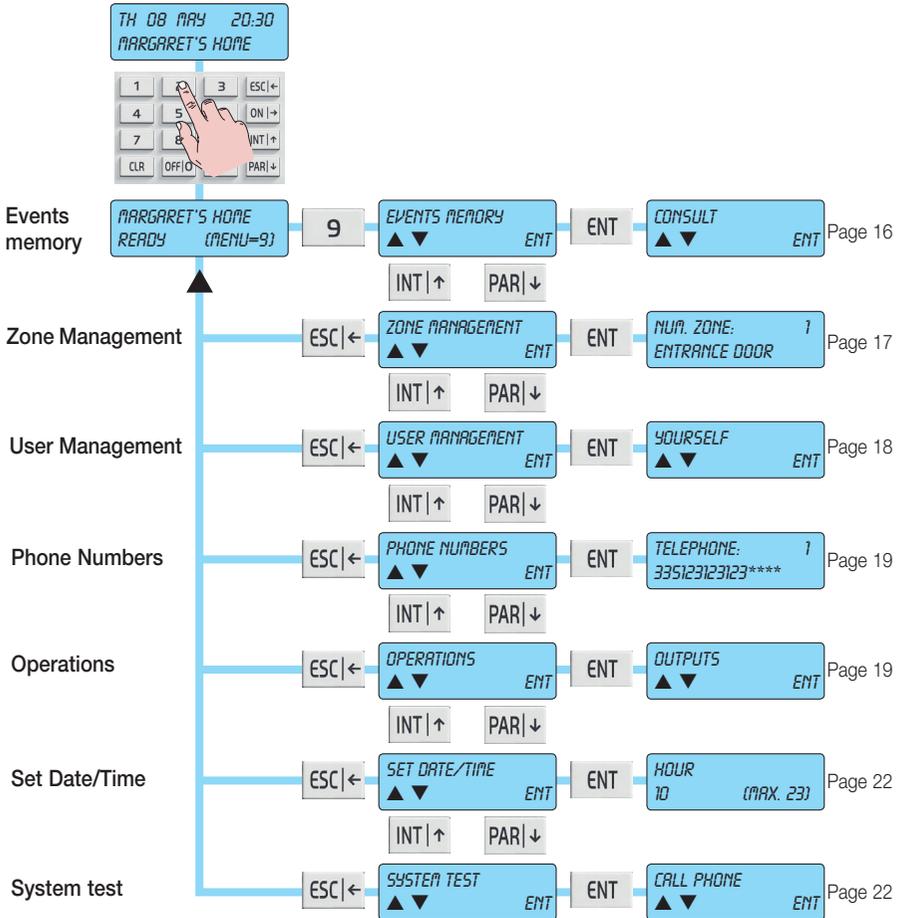
#### With Code associated with multiple systems

- The display shows the current date and time.
- Enter the **User Code**.
- Press the button that corresponds to an Area to "enter" the related system management.
- Press button **9** to reach the first User menu.
  - Using the arrow buttons **INT|↑** and **PAR|↓** you move forward or backward in viewing the various User Functions; with the **ENT** button you enter the function's configuration mode.
  - All the functions are illustrated on the next page.



## Functions and settings

### 2.1 Primary Menu diagram



| Function of the buttons   |   |  |
|---|---|--|
| ESC ← button  | ENT button  | INT ↑ and PAR ↓ button   |
| <ul style="list-style-type: none"> <li>takes you back a step.</li> <li>repeated pressing takes you out of configuration mode</li> </ul> | <ul style="list-style-type: none"> <li>takes you into the Menu displayed at that time</li> <li>confirms the data entered</li> </ul> | <ul style="list-style-type: none"> <li>take you respectively down or up in the diagram of the Menus</li> </ul> |

### 3. FUNCTION TREE

#### 3.1 Events Memory

3.1.1 Consult

3.1.2 Reset alerts

#### 3.2 Zone management

3.2.1 Zone number

- Exclude

- Reinclude

#### 3.3 User Management

3.3.1 Changing your own User Code

3.3.2 Other codes

#### 3.4 Phone numbers

#### 3.5 Operations

3.5.1 Outputs

3.5.2 Macro

3.5.3 Programmable time switch

3.5.4 Overtime

#### 3.6 Set Date and Time

#### 3.7 System test

3.7.1 Call phone

3.7.2 Walk test

3.7.3 Buzzer ON/OFF

3.7.4 Activate relay 1

3.7.5 Activate relay 2

3.7.6 Remaining credit

3.7.7 SIM expiry

## Function tree

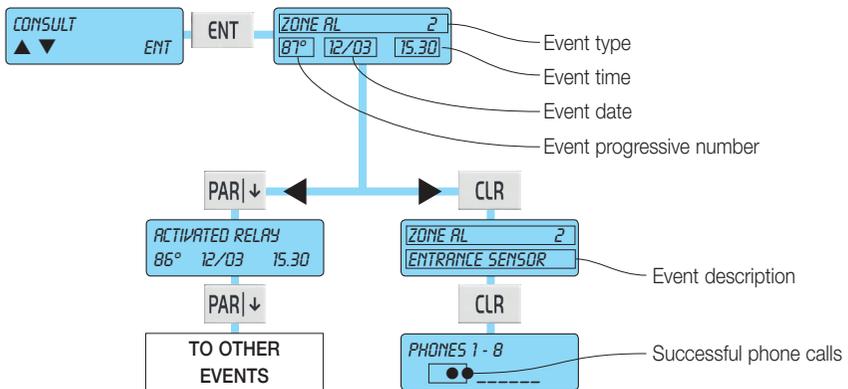
### 3.1 Events Memory

The control panel has a memory where everything that happens to the control panel is recorded with the date and time; saved events are automatically updated, always deleting the oldest one. The control panel art. 01700 saves up to 200 events, while the control panel art. 01703 saves up to 500.

- The arrow buttons **INT|↑** and **PAR|↓** are used for scrolling, viewing all the options in this menu.
- With the **ESC|←** button you exit the menu.

#### 3.1.1 Consulting the Events Memory

- The display shows the Menu for consulting the Events memory.
- Press the **ENT** button to enter.
- If the code that allowed access is enabled for this function, the display will show the Menu for consulting the internal memory of the control panel.
- Press the **ENT** button to enter.
  - The last of the saved events, the most recent one, is displayed; with the **PAR|↓** arrow you go back in time in viewing the memory, whereas with the **INT|↑** arrow you move forward to the most recent event.
  - With the **CLR** button you can view other data on the event shown.
- Press the **ESC|←** button to exit Consulting the Events Memory.



## Function tree

### 3.1.2 Resetting alerts

- The display shows the Menu for resetting alerts
- Press the **ENT** button to reset the alarm alerts on the keypads.
- Confirm with the **ENT** button if you want to continue.
- Press the **ESC|←** button to exit resetting the alerts.



## 3.2 Zone management

With this function you can exclude and reinclude the alarm management zones.

**Caution:** Excluded zones cannot generate any control panel alarm status.

### 3.2.1 Exclude zone

- Scrolling with the navigation buttons **INT|↑** and **PAR|↓**, select the zone you want to exclude from the alarm.
- Confirm with the **ENT** button or press the **ESC|←** button to exit without excluding.



### 3.2.2 Reininclude zone

- Scrolling with the navigation buttons **INT|↑** and **PAR|↓**, select the zone you want to reinclude in the alarm.
- Confirm with the **ENT** button or press the **ESC|←** button to exit without reincluding.



## Function tree

### 3.3 User Management

The control panel can be managed by User Codes that can be changed by the User.

- The arrow buttons **INT|↑** and **PAR|↓** are used for scrolling, viewing all the options in this menu.
- With the **ESC|←** button you exit the menu.

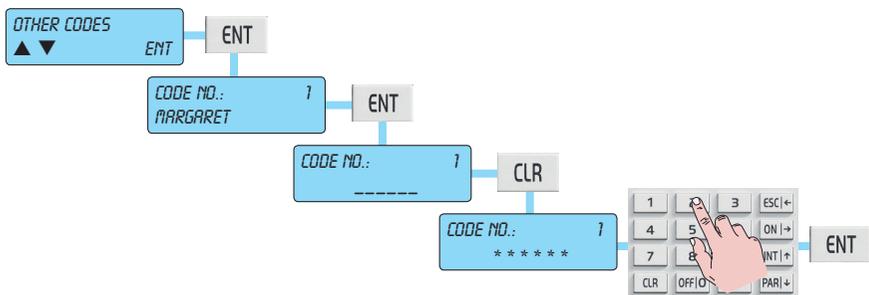
#### 3.3.1 Changing your own User Code

- If the code that allowed access is enabled for this function, the display will show the ability for you to change your code.
- Press the **ENT** button to enter.
- Press the **CLR** button to delete the current code.
- Enter the new Code.
- Press the **ENT** button to confirm.
- Press the **ESC|←** button to exit changing your own code.



#### 3.3.2 Changing other codes

- If the code that allowed access is enabled for this function, the display will show the ability for you to change other Codes.
- Press the **ENT** button to enter.
- Select the Code that you want to change by scrolling with the **INT|↑** and **PAR|↓** buttons.
- Press the **ENT** button to confirm.
- Press the **CLR** button to delete the current code.
- Enter your new Code.
- Press the **ENT** button to confirm.
- Press the **ESC|←** button to exit changing the code.



## Function tree

### 3.4 Phone numbers

#### 3.4.1 Change phone numbers

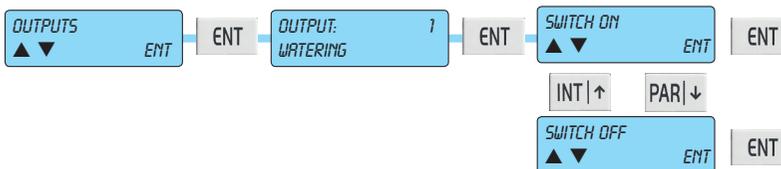
- The display shows the Menu for Changing phone numbers.
- Press the **ENT** button to enter.
- If the code that allowed access is enabled for this function, the 16 phone numbers can be changed.
- With the **INT|↑** and **PAR|↓** arrow buttons you can scroll through the various phone numbers with the relevant view.
- To change the phone number, press the **CLR** button, write the new number and press the **ENT** button to confirm.
- Press the **ESC|←** button to exit changing phone numbers



### 3.5 Operations

#### 3.5.1 Activate and Deactivate Outputs

- The display shows the Menu for Activating the Outputs.
- Press the **ENT** button to enter.
- The arrow buttons **INT|↑** and **PAR|↓** are used for scrolling, viewing each single output with its description.
- Press the **ENT** button to enter the chosen output.
- With the **INT|↑** and **PAR|↓** arrow buttons you select whether to activate or deactivate the output.
- Press the **ENT** button to confirm.
- Press the **ESC|←** button to exit the Outputs Menu.



## Function tree

### 3.5.2 Activate Macro instructions

Macros are instructions formed by a set of commands; they are programmed in the control panel and can be activated in one easy step.

Each Macro-Instruction is identified by a character string that best explains the function of the macro.

- a) The display shows the Menu for Activating the Macros.
- g) Press the **ENT** button to enter.
- c) The arrow buttons **INT|↑** and **PAR|↓** are used for scrolling, viewing each single macro with its description.
- d) Press the **ENT** button to enter the chosen macro.
- e) The **INT|↑** and **PAR|↓** arrow buttons are used for scrolling, viewing all the possible commands:
  - Start: activates the macro.
  - Stop: stops the execution of the macro, resets it and moves the pointer to the first command.
  - Block: stops the execution of the macro and restarts it from where you left off.
- f) Press the **ESC|←** button to exit the Macro activation menu.



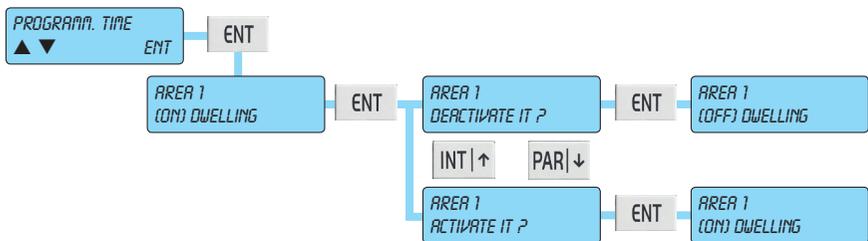
## Function tree

### 3.5.3 Activate and deactivate Programmable Time Switch

- The display shows the Menu for Activating and Deactivating the programmable time switch.
- Press the **ENT** button to enter.
- If the code that allowed access is enabled for this function, with the arrow buttons **INT|↑** and **PAR|↓** you scroll to view the programmable time switches associated with each single area.
- Press the **ENT** button to confirm your choice.
- With the **INT|↑** and **PAR|↓** arrow buttons you select whether to activate or deactivate the selected programmable time switch.

**Caution:** If the programmable time switch is not active, the control panel will not run the programmed on/off commands for that area.

- Press the **ESC|←** button to exit the programmable time switch management menu.



### 3.5.4 Activate Overtime

- The display shows the Menu for Activating Overtime.
- Press the **ENT** button to enter.
- If the code that allowed access is enabled for this function, pressing the **ENT** button will activate overtime that will shift the time for automatic switch-on via the programmable time switch by one hour.

**Caution:** • This function is only active during the warning period.

- You can add overtime for 3 times in a row, after which shifting the switch-on time will no longer be accepted by the control panel.

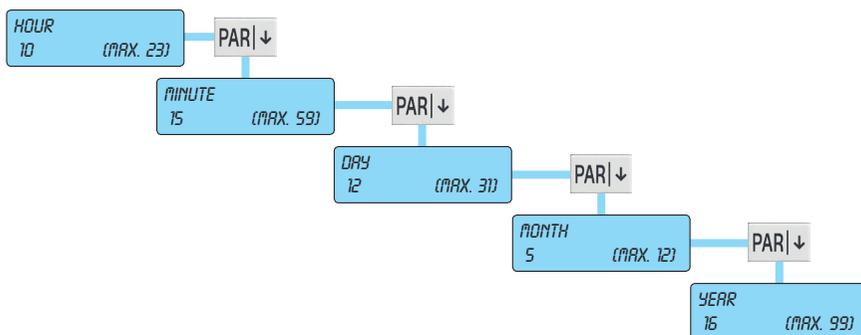
- Press the **ESC|←** button to exit the overtime enabling menu.



## Function tree

### 3.6 Set Date and Time

- The display shows the Menu for Changing the Date.
- Press the **ENT** button to enter.
- The control panel time will be shown; use the arrow buttons **INT|↑** and **PAR|↓** to scroll through the menus that will show the minutes, day, month and year.
- To update the time you simply need to write the correct value. The day of the week (Monday, etc.) is automatically calculated by the control panel.
- Press the **ESC|←** button to exit changing the date.



### 3.7 System test

#### 3.7.1 Phone calls

- The display shows the Menu for phone calls.
- Press the **ENT** button to enter.
- The arrow buttons **INT|↑** and **PAR|↓** are used for scrolling, viewing each single phone number.
- With the **ENT** button you activate the selected phone number.
- Press the **ESC|←** button to exit the phone call test menu.



## Function tree

### 3.7.2 Walk Test

- a) The display shows the Menu for the entry test.
- g) Press the **ENT** button to enter.
  - Open the monitored doors and windows and walk in the area protected by the volumetric sensors.
  - With each new detection, the keypad will sound and the symbol will remain saved corresponding to each zone activated by the test.
  - The arrow buttons **INT**|↑ and **PAR**|↓ are used for scrolling through the zones in groups of 8.
  - The zones not marked by the ● symbol cannot trigger an alarm condition.
- c) Press the **ESC**|← button to exit the entry test menu.



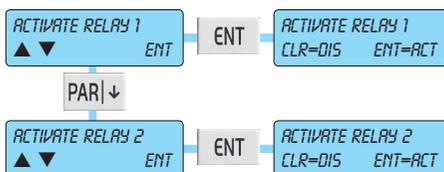
### 3.7.3 Keypad buzzer management

- a) The display shows the Menu for silencing the buzzer for the keypad on which you are working.
- g) Press the **ENT** button to enter.
  - Press the **CLR** button once to cut off the sound; press **CLR** again to re-enable the sound.
- c) Press the **ESC**|← button to exit the system test menu.



### 3.7.4 Activate Relay 1 and Relay 2

- a) The display shows the Menu for Output Relay 1, which is the one related to the general alarm output, and for Output Relay 2, which is the one related to optional alarms; in this way you can test the alarm warnings.
- g) Press the **ENT** button to enter.
- c) The **ENT** button activates, while the **CLR** button deactivates.
- d) Press the **ESC**|← button to exit the Relay 1 test menu.



## Function tree

### 3.7.5 Check Remaining Credit on GSM

- The display shows the Menu for the remaining credit on the SIM card.
- Press the **ENT** button to enter.
- The display will show the remaining credit in EURO.
- Press the **ESC|←** button to exit the system test menu.



### 3.7.6 SIM expiry

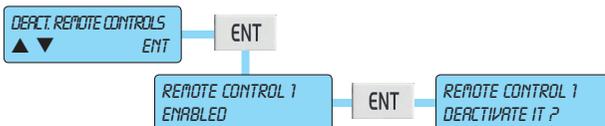
- The display shows the Menu for the expiry of the SIM card.
- Press the **ENT** button to enter.
- The display shows the expiry day to be programmed.
  - Write the day to be programmed.
- With the down arrow downwards you move to the month and then to the year to be programmed.
  - Write the day, month and year to be programmed.
- Press the **ESC|←** button to exit the system test menu.



### 3.7.7 Deactivation of Remote Controls

- Using the **INT|↑** and **PAR|↓** buttons, scroll through the list of remote controls and select the one you want to deactivate.
- Press the **ENT** button to confirm or the **ESC|←** button to exit the menu without deactivating the selected remote control.

After deactivating a remote control you can reactivate it by following the procedure described in points a) and b) (basically you select the remote control to activate).



## RFA - control panels art. 01700-01703

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### 4. RFA - CONTROL PANELS ART. 01700 - 01703

#### Notes for the phone numbers and for the codes enabled for the functions:

- With each alarm communication call, pressing button 4 on your phone deletes any calls to the subsequent phone numbers.
- Pressing button 3 takes you straight into User Telemangement.

#### RFA Function - Remote Function Access

- a) Call the system from a remote telephone.
- b) Wait for the prompt to enter the Code.
- c) Enter the digits of the User Code.
- d) Once the Code has been recognized, you can access the functions that will be directly invoked by the voice guidance on line.
  - **Note:** The code that allowed access must be enabled to access the functions.

#### Skipping voice mail or fax

- 1) Call the system's number; hang up on the first ring of the phone.
- 2) Call back after 10 s and no later than 30 s.
- 3) On the first ring, the control panel will respond with the prompt to enter the Code.
- 4) Continue the procedure following the previous point c).

### Table of commands

The commands that can be managed from the access function to the remote functions are:

#### 1. Area management:

0. Area status
1. Switching ON
2. Switching on INT
3. Switching on PAR
4. Switching OFF

#### 2. Input management:

0. Input status
1. Cutting off the input
2. Cutting in the input
3. Resetting the Memory

#### 3. Output management:

0. Output status
1. Activate the Output
2. Deactivate the Output

#### 4. Advanced functions:

1. Macro
2. Phone Numbers
3. Programmable Time Switch
4. Date and time

5. Press \* to exit.

6. Press # to listen again.

## By-alarm system remote function access

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### 5. BY-ALARM SYSTEM REMOTE FUNCTION ACCESS

This section describes the remote function access features that can be implemented with the By-Alarm system by calling the telephone number paired with the control panel equipped with the voice synthesis module art. 01713 (the number is that of the landline if the PSTN communicator art. 01708 is installed, whereas it is that of the SIM if the GSM module art. 01706 is installed).

To perform remote function access via a phone call, you need to pair the desired USER CODES with the remote function access option type DTMF; when the control panel prompts for the code you can enter the INSTALLER code (which allows only certain types of remote function access) or the USER code previously enabled to access all the types of remote function access.

Following remote function access (by phone or SMS) the keypad will display "Remote Function Access" which can be reset by entering the User code and then resetting the memory.

#### **OPTIONS THAT CAN BE SELECTED DURING REMOTE FUNCTION ACCESS**

- **AREA MANAGEMENT:** enables switching on (ON/INT/PAR) or off (OFF) the desired Areas or requesting their status; this function is allowed only when performing remote function access with a USER code.
- **INPUT MANAGEMENT:** lets you exclude, include, reset the paired alarms or query the status of the desired input.
- **OUTPUT MANAGEMENT:** lets you switch on, switch off, or query the status of the desired output.
- **ADVANCED FUNCTIONS:** lets you control the Macros (start, stop, reset or query the status), check or edit the phone numbers, activate, deactivate, or query the status of the Time Programs and set the Date and Time.

#### **Remote Function Access with INSTALLER Code**

When phoning remotely you can enter remote function access by keying in the INSTALLER code. However there are limited functions, for example it is not possible to apply the "OFF/ON/INT/PAR" command for the Areas, whereas you can edit the phone numbers in the "phone numbers" list and exclude or include the inputs in the event of their malfunctioning.

#### **Remote Function Access with USER Code**

- **User code digits:** you can set 4, 5 and 6-digit codes; for a 4 or 5-digit code, to enter remote function access, enter # after entering the code on your phone.  
If the code has been entered correctly you can manage all the features of remote function access.

#### **CALLS TO THE CONTROL PANEL**

The wait time between a call to the control panel and the next one is 5 minutes; after making and ending a call, therefore, no more incoming calls will be accepted for the next 5 minutes. The user will hear the ring tone but the control panel will not answer.

The control panel will also not accept calls as long as it is making calls to the numbers in the "Phone numbers" list. Calls are accepted only in the wait time between one attempt and the next one, that is in the time set with the "Pause after second attempt" parameter.

The following example describes the operating logic of the control panel sending calls when there is an alarm event.

1. A call is made or an SMS message is sent to all the numbers in the "Phone numbers" list in the order in which they were programmed and regardless of the set "Retry count".
2. If the calls are not terminated, and the "Retry count" is other than 0, a call is quickly made to all the numbers in the "Phone numbers" list (with no wait times to set) in the order in which they were programmed. If you have selected the "Wait for voice answer" flag, calls are not sent to the numbers that answered on the first attempt.

## By-alarm system remote function access

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3. If the calls are not terminated, and the "Retry Count" is greater than 1, once the first cycle of phone calls just described has ended and after the time set via the "Pause after second attempt" parameter, another call is made to all the numbers in the "Phone numbers" list in the order in which they were programmed; according to the value set for "Retry count" a number of cycles of calls will be made to that number. If you have selected the "Wait for voice answer" flag, calls are not sent to the numbers that answered a previous phone call.

### SMS Remote Function Access

- **SMS to the control panel:** if SMS messages are sent to the control panel while it is carrying out the cycle of calls to the numbers in the "Phone numbers" list, only the first SMS is saved and the command is implemented at the end of the calls.
- **User code digits:** you can set only 6-digit user codes.

**Caution:** To use this type of remote function access you need to install the **Vimar By-phone app** on your smartphone.

**NOTE:** If commands are sent remotely, the keypad will display "REMOTE FUNCTION ACCESS"; this will remain displayed until a valid user code is entered.



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