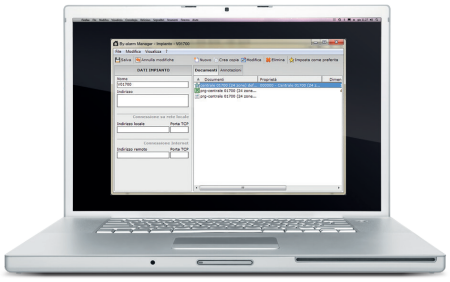

By-alarm
01700-01700.120
24 zone control panel

Programming manual

VIMAR

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Introduction

General information

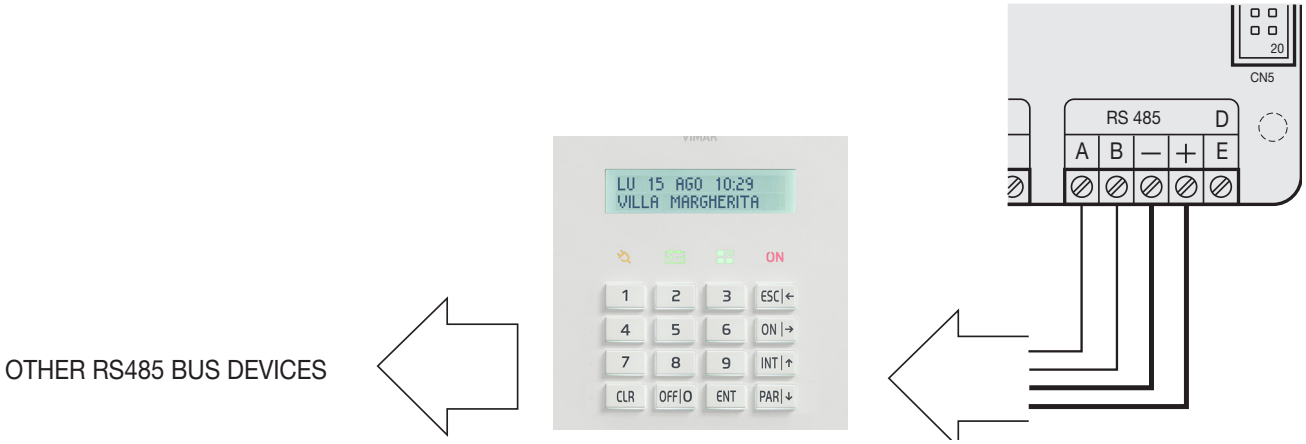
All control unit functions can be programmed using a computer which has the **By-alarm Manager** software installed or using one of the keypads connected to the control unit.

The control unit has an RS 485 input for connection to the bus on devices such as keypads, input expansion modules, output expansion modules, radio interfaces and readers.

The devices can be connected either to the RS485 bus or in parallel to the same conductors, respecting the codes on the terminals of the control unit and of the devices themselves, namely:

- + with +
- - with -
- A with A
- B with B

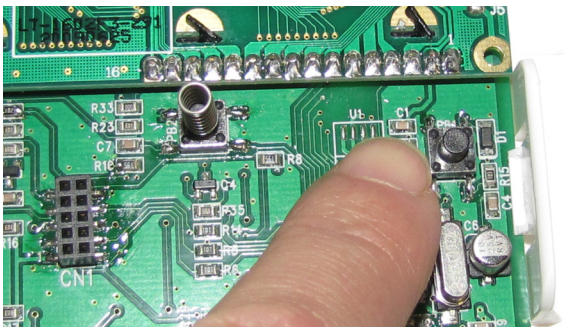
For 12 Vdc power supply 0.50 mm^2 conductors must be used and for the A and B sensors, 0.22 mm^2 conductors; the shield must be connected to the negative with regard to the control unit.



- The keypads have a special anti-tampering button which is activated when the container is opened and when the keypad is removed from the wall.
- The bridge on the side of the button closing causes the full exclusion of the keypad protection

Changing the keypad address.

1) Press and release the RESET push button (PB1) on the keypad card on the right-hand side near the microprocessor (see photo below).
2) Press the **ENT** button for approx. 1 s.
3) The display will show the physical address of the keypad.
4) Press the **ENT** button to enter the menu.
5) Using the INT↑ and PAR↓ buttons, select the desired address.
6) Press **ESC** twice to confirm the address and exit the menu.



Section 1

Programming the control unit using the keypad 01705

Guidelines for programming the control unit using the keypad

1. With the power off, connect all devices (both those connected to the RS485 bus and those connected directly to the control unit).

2. The control unit is supplied pre-set to manage 6 zones as illustrated in chap. 3 of the installation manual.
   If settings other than default are required, connect the 3k3 Ω resistors in the inputs for the **unused** devices in the control unit, and if the siren and relative tamper resistor have not already been connected, connect the 3k3 Ω resistor directly between the **T T** terminals on the control unit.
   N.B. When powering the system, if the resistors are not connected as described, the keypad will emit a tamper alarm and the procedure described in the control unit installation sheet must be followed (enter user ID to silence the alarm and enter installer ID to proceed with the settings).

3. Check that the jumpers required to exclude the control unit anti-tamper devices are present.

4. Power up the system.

5. Assign the relative ID address to each device connected to the RS485 bus (the assigning procedure can be done via the user interface or dip switch, as described in the respective instruction sheets).
   As illustrated in the installation manual, the ID assignment must always be sequential, starting with ID=1 for the first device, ID=2 for the second and so on for all devices **of the same category** connected to the bus; two devices in the same category must always have different IDs (the radio frequency interfaces 01729 and input expansion modules 01709 and 01704 are devices in the same category and must therefore have a different ID while, for example, an input expansion module 01709, a reader 20478-19478-14478 and an output expansion module 01710 may all have the same ID). If there is more than one keypad, select the one to be used for the settings, which will be assigned ID=1; assign to the other keypads respectively ID=2, 3, etc.

6. Run the control unit self-learning procedure. This procedure can be done in two different ways (one alternative to the other):
   Method 1 (from the control unit)
   • Set dip switch 2 to **ON** and press the reset **PB1** push button for at least 1 s.
   • Once the control unit relays have completed a rapid switching sequence, place dip switch 2 to **OFF** and press the **PB1** push button again.
   The LED status of the device will indicate the correct outcome of the procedure (where present); for example, for radio frequency interface 01729:
   - LED **fixed on** = BUS connection problem.
   - LED **flashing 1 s ON and 1 s OFF** = device not programmed.
   - LED **flashing briefly every second** = device programmed.
   If the system has one or more radio frequency interfaces 01729 by default these are defined by the control unit as 8-channel interfaces; if you wish to use more than 8 channels you must eliminate the **RADIO 8** interface and associate the respective ID to the **RADIO 16** menu.
   Mode 2 (from keypad)
   Enter the Installer ID in the keypad chosen for the settings (default code **123456**), and call up the menu **SETTINGS – PROG. BUS 1** or **2** and for each device (reader, keypad, etc.) specify how many are installed in the system, also indicating the respective ID.
   For example, if there is an input expansion module with ID=1 and a radio frequency interface with ID=2 which has to manage 8 channels, proceed as follows:
   - in the screen **INP. EXP. 1-4** enter 1 and 2 to declare that the expansion modules on the bus (wired or radio) with ID 1 and 2.
   - in the screen **RADIO 8 (1-4)** enter 2 to declare that the module with ID=2 is a radio frequency interface with 8 inputs.
   Note: having received its own ID, the input expansion module 01709 automatically occupies 4 zones in the system however many devices will actually be connected and, in the same way, the radio frequency interface will also occupy 8 or 16 according to what defined in the specific menu. It is very important to remember which zones are occupied by the associated devices as, in the subsequent settings phases, it must be clear which one belongs to every device connected to the input expansion modules or remote control interfaces; this must be compared with the maximum number of free zones available on the control unit in order to avoid associating additional devices which will not trigger any alarm as they are not managed.

7. Following the instructions given in the radio frequency device instruction sheet, set the relative parameters (use of auxiliary inputs, radio range, etc.)

8. As described in the instructions for interface 01729 and other radio frequency devices, enter the settings paying attention to the fact that a device associated to the management of auxiliary inputs on separate channels will occupy two or three zones: one for the device and one for each auxiliary input. For tidy programming, note the settings considering that the first radio frequency device programmed will occupy the first zone associated to the interface 01729 and which, if its auxiliary input is programmed immediately afterwards, it will be associated to the subsequent alarm zone and so on.
   Note: In the default settings, all the information on the reed/pyroelectric parameters and auxiliary inputs are managed on a single channel; with this setting, information on the unbalanced zone will be sent to interface 01729 if one of the inputs on the radio frequency device is "unbalanced".
   By appropriately programming detectors 01727 and 01728 it is possible to assign a separate radio channel to each input (programming done on the device); in this case, it is also necessary to correctly associate the radio channels with separate zones to the interface 01729 (for example three radio channels on the detector 01727 are associated to three different zones).

9. Define the behaviour of the various zones in the **SETTINGS-INPUTS-ZONE.PROG.** menu **(value=50 indicates a disabled zone)** associating them to the required areas and setting their functions (delays, etc.).

10. Define the Areas.

11. For each Area, define the associated zones belonging to the entry methods **ON**, **INT** and **PAR**.

12. Define the behaviour of Relay 1 to which the sirens are connected and that concerning any use of Relay 2.

13. Creation of user IDs and definition of the Areas and functions which can be associated to each code.
   By default, user 1 is active on Area 1 with basic permissions (user ID **111111**); the following procedure is used to create other users:
   - enable the user;
   - set the numerical code (which must be different from the default code);
   - enter the user settings (assignment of permissions, etc.);
   - associate a transponder key to the user if required.

14. Programme the transponder keys and radio frequency remote controls.

Guidelines for programming the control unit using the keypad

15. Associate the Areas and required functions to the transponder key and the remote control push buttons.

    Notes:
    - Each transponder key can be associated to a single user and therefore the relative permissions correspond to the user permissions. The procedure is as follows:
      - acquire the tag (then associated to a specific user);
      - indicate the settings for the reader on which the tag is enabled in the specific menu.
    - As concerns the remote controls, simply associate the required function and entry area to each button.

16. Associate any keypad alarm signal (buzzer) to the required zones; it is possible to define the zones for which, in the event of an alarm, the keypad gives off an acoustic signal, also setting the duration.

17. In outdoor sirens, set the acoustic signal duration in the event of an alarm (these are armed/disarmed by Relay 1 but in particular situations like a control unit failure or total blackout of the system with flat batteries they can in turn ring for a set time).

18. If present, programme the GSM transmitter/receiver module 01706. In practice the device must be armed, the phone numbers entered, the user permissions correctly paired and all programming required to manage the telephone part in the desired manner completed (SMS or voice).

19. If present, programme the voice synthesis module 01713 and record any vocal messages.

20. Having completed the programming, check the connections on the detectors connected to the control unit inputs, restore the anti-tamper devices via the jumpers, check the siren connections and finally check the balancing on the sirens and devices with any resistors for double or triple balancing.

21. The new “map” of the bus devices can be downloaded to the PC using the By-alarm Manager software; before importing, enable the connection to the PC via the keypad:
    - select the Settings e menu and press ENT.
    - scroll through the menu as far as PC <--> Control unit and press ENT.
    - press CLR to view YES.
    - press ESC to exit the menu.

    Finally, from the PC, run Connect -> Receive Programming and the programmed bus devices will be viewed in the specific menus.

    Note: When programming with the By-alarm Manager software downloaded to the control unit, from the keypad you can view the features of the whole system (devices on the bus, zone settings, association to areas, etc.).

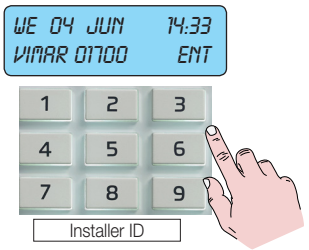
Primary Menu diagram

All control unit functions are programmed in 9 primary menus identifying as many function categories.

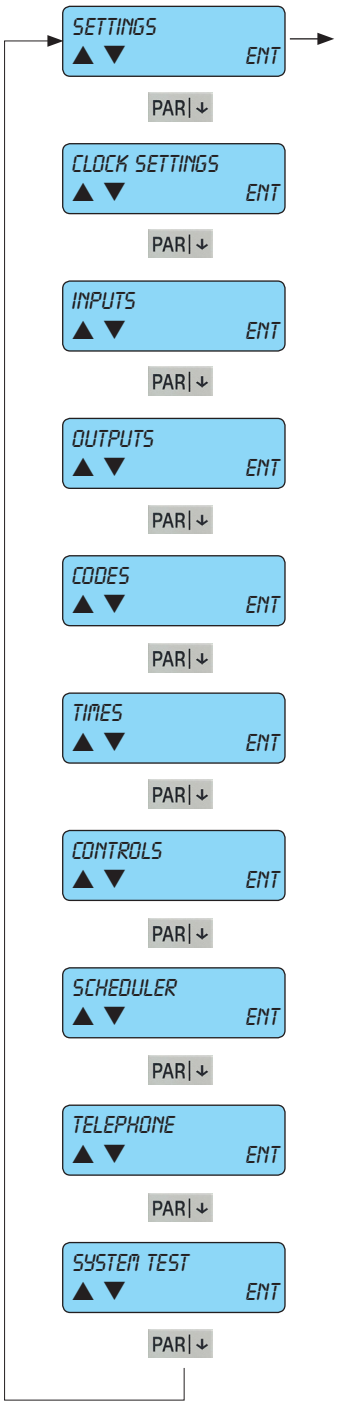
- **The first control unit programming is done via the keypad which is assigned ID=1**; therefore, if more than one keypad is installed in the system, the code allowing access to the programming must be entered on the keypad with ID=1.
- The control unit is programmed by entering the Installer code on the keypad; by default this is **123456**.

Menu navigation

- Use the navigation buttons **ESC**, **ON**, **INT** and **PAR** to surf through the Programming Menus:
- The **ENT** button confirms the data, **CLR** (clear) cancels it and **ESC** is used to exit the menu.



Installer ID
- The default code is programmed with the value: **123456**



Settings
- System composition - page 11

Clock settings
- Setting the date and time - page 13

Inputs
- Input programming - page 14

Outputs
- Output programming - page 29

Codes
- Activation code programming - page 35

Times
- Time programming - page 41

Controls
- Additional parameter programming - page 43

Scheduler
- Scheduler functions - page 57

Telephone
- Telephone connection functions - page 59

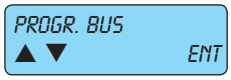
System test
- System diagnostics function - page 65

1. Programming the control unit devices

1. In *SETTINGS* you set the composition of the system and the number of installed devices. Having manually assigned the addresses to the devices connected to the RS485 bus, run the self-learning procedure from the control unit and then enter the menu to define the device categories.

ENT

• In the *SETTINGS* menu press **ENT** to enter the settings.



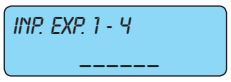
1.1 In *BUS PROGRAMMING* you can programme all the devices connected to the RS485 bus, specifying for each one the respective ID addresses assigned previously.

PAR|↓

1.1.1 *KEYPADS* 01705 installed.

• Enter number 1-2-3-4 relative to the installed keypads; the indicator will come on to confirm correct programming. To deselect the keypad repeat the same operation.

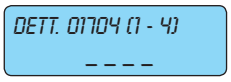
PAR|↓



1.1.2 Input expansion modules 01709 and radio frequency interfaces 01729 installed. In this menu enter both the IDs of the input expansion modules and those of the radio frequency interfaces (if some of the IDs assigned are not entered the control unit will not detect any alarms signalled by the associated device.

• Press number **1-2-3-4** for the installed devices; the indicator will come on to confirm the correct programming. To deselect the device repeat the same operation.

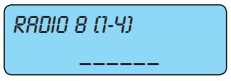
PAR|↓



1.1.3 In *DETT.01704 (1-4)* defines the input expansions 01704. It is necessary to indicate the ID of any existing input expansions 01704 (each one will occupy 8 alarm zones).

• Press the number 1-2-3-4 for the installed expansions; the indicator will switch on to confirm the pro¬programming is correct. To deselect the module the same operation must be performed.

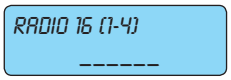
PAR|↓



1.1.4 In *RADIO 8 (1-4)* you define which are the radio frequency interfaces with 8 channels. Indicate the ID of any 8-channel interface present (each one will occupy 8 alarm zones).

• Press number 1-2-3-4 for the installed radio interfaces; the indicator will come on to confirm the correct programming. To deselect the module repeat the same operation.

PAR|↓

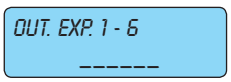


1.1.5 In *RADIO 16 (1-4)* you define which are the radio frequency interfaces with 16 channels. Indicate the ID of any 16-channel interface present (each one will occupy 16 alarm zones). If there is a 16 channel radio frequency interface no other interfaces or input expansion modules can be set as the maximum number of zones supported by the control unit has been reached.

• Press number 1-2-3-4 for the installed radio interfaces; the indicator will come on to confirm the correct programming. To deselect the module repeat the same operation.

IMPORTANT: The keypad is used to set up to 32 radio frequency channels; of these channels, those exceeding the maximum number set on the radio frequency interface (i.e. more than 8 or 16 depending on the layout) are ignored by the system.

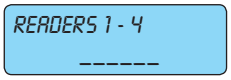
PAR|↓



1.1.6 Output expansion modules 01710 installed.

• Press number 1-2-3-4-5-6 for the installed expansions; the indicator will come on to confirm the correct programming. To deselect the module repeat the same operation.

PAR|↓



1.1.7 Readers 20478-19478-14478 installed.

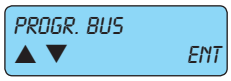
• Write the number 1-2-3-4 for the readers installed; the indicator will come on to confirm the correct programming. To deselect the reader repeat the same operation.

- The reader is identified with the address given (see indications given in the control unit or reader installation manual).

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the previous level of the RS 485 BUS programming menu.

Programming the control unit devices



PAR|↓ From the *PROGR. BUS* menu press the down arrow **PAR|↓** to access the programming procedures for the other control unit devices.

1.2 Select **YES** if the *PSTN LINE* circuit in the control unit for connecting to the PSTN analogue phone line must be enabled.
- Press **CLR** to edit the settings.

PAR|↓

1.3 Select the GSM company interface 01706 to be enabled (set the number of GSM modules present).
- Press **CLR** to edit the settings.
- Programme the telephone company of the SIM inserted in the GSM module.
- Write the company number directly, consulting the following table:

Prog.	Function type	Phone company
0	NO GSM	No company selected.
1	TIM	TIM mobile phone company.
2	VODAFONE	VODAFONE mobile phone company.
3	WIND	WIND mobile phone company.

1.4 Select **NO** if you wish to do the programming from the keypad
- Press **CLR** to change the settings.

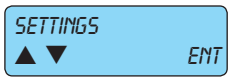
Select YES if you want a direct connection between a *PC <--> CONTROL UNIT* .
- Press **CLR** to edit the settings.
  - The connection between the PC and the control unit must be done via the interface art. 01725.
  - For interactive connection between the control units and the PC install and programme the **By-alarm Manager** software.
  - For the installation and recording procedures, follow the indications given in the **By-alarm Manager software manual.**

Select **NO** if you wish to do the programming from the keypad
- Press **CLR** to edit the settings.

PAR|↓

1.5 Select **NO** if you do not want the system to comply with the indicated standard.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the previous level of the Settings menu.



PAR|↓ From the *SETTINGS* menu use the down arrow **PAR|↓** to go to the control unit clock settings menu.

2. Internal clock settings

2. In *CLOCK SETTINGS* you can programme the time and date of the control unit clock.
• From the *CLOCK SETTINGS* menu press **ENT** to enter the settings.

ENT

2.1 Setting the current *TIME* .
• Enter the time directly.

PAR|↓

2.2 Setting the current *MINUTE*.
• Enter the minutes directly.

PAR|↓

2.3 Setting the current *DAY*.
• Enter the day directly.

PAR|↓

2.4 Setting the current *MONTH*.
• Enter the month directly.

PAR|↓

2.5 Setting the current *YEAR* .
• Enter the year directly.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the previous level of the Clock Settings menu.

PAR|↓ From the *CLOCK SETTINGS* menu use the down arrow **PAR|↓** to view the control unit inputs programming menu.

3. Input programming

3. In *INPUTS* set all the control unit input parameters.
• From the *INPUTS* menu press **ENT** to enter the first zone programming menu.

ENT

3.1 From the *ZONE PROGRAMMING* menu press **ENT** to enter the programming modes for each zone.

ENT

3.1.1 Select the *ZONE NUMBER* to be programmed.
• Write the number of the zone to be programmed.

PAR|↓

3.1.2 Select the *TYPE OF ZONE* associating it to the operating mode.
• Write the number of the required mode by consulting the table below.

Progr.	Zone type	Description
0	Instantaneous	With the control unit on, an alarm is generated as soon as the zone is unbalanced.
1	Instantaneous with automatic exclusion	If when entering the group the input is unbalanced, the zone is automatically excluded and the event is stored in the events log. It is re-included automatically when the control unit is turned off. **Note:** if used the IMQ type-approval expires.
2 - 3	Timed 1 -2	When the control unit is turned on the exit time 1 - 2 is activated. At the end of this time, a subsequent line unbalancing will enable the re-entry time 1 - 2. At the end of the re-entry time, if the control unit is not turned off an alarm sequence is enabled.
4	Timed with automatic exclusion/re-inclusion	The zone becomes active after a programmable “exit” time, allowing you to leave having inserted the group; if at the end of this time the zone is unbalanced it is automatically excluded. It will be re-included after the next re-balancing. The zone generates an alarm after a programmable delay calculated from the time in which the entry is unbalanced; during this delay it is possible to disconnect the group without generating alarms. **Note:** if used the IMQ type-approval expires.
5	Timed conditioned instantaneous	Instantaneous line which is automatically excluded during the exit and re-entry time of a timed line 1 or 2.
6	24 hours	Line always active, its unbalancing causes an alarm even if the control unit is turned off. **Note:** to maintain IMQ type-approval: if this mode is used with the anti-theft function, the zones must be associated to all phone numbers.
7	Anti-Tampering	Additional anti-tampering line; cannot be excluded with "OFF ZONE" operation from keypad and when unbalanced it causes an anti-tampering alarm even when the control unit is turned off.
8 - 9 - 10	On ON/INT/PAR	Remote ON line in mode ON, INT, PAR. When unbalanced it causes the control unit to come on in one of the possible modes.
11 - 18	Suspension Area 1-8	
19	Panic reset delayed	If the zone is unbalanced, it cancels the anti-coercion procedure.
20 - 29	Start macro 1-10	If the zone is unbalanced, the associated macro is activated.
30 - 39	Stop macro 1-10	If the zone is unbalanced, the associated macro is locked.
40 - 49	Reset Macro 1 - 10	If the zone is unbalanced, the associated macro is reset.
50	Not used	
51	Sensor fault	If the zone is unbalanced a Sensor fault signal is generated (EN-50131).
52	Anti-theft device fault	If the zone is unbalanced an Anti-theft device fault signal is generated (EN-50131).
53	Siren fault	If the zone is unbalanced a Siren fault signal is generated (EN-50131). To be used in the input to which the LV output of the siren 01715 is connected.

The area suspension is an operating mode which can be used to interrupt the scheduler cycle arming and disarming. After the suspension the control unit goes to the state set in the programming for the current time band.

PAR|↓

Important: Panic, theft, tampering events must be associated to at least the first phone number.
This guarantees that in the event of more than one event at the same time panic, theft and tampering are transmitted as a priority.

ZONE UNBALANCING
1 (MAX. 10)

3.1.3 This is the number of *ZONE UNBALANCINGS* required to trigger the control unit alarm.
- Write the number or required unbalancings.

Note: the pulse count only applies to the alarm signal and not to tampering and/or masking that are signalled with the first pulse.

CAUTION: This function cannot be used to connect inert sensors or sensors for roll-up shutters at the inputs from L1 to L8 of the control unit as these detect unbalancings with a time greater than 120 ms and which cannot be calibrated.

PAR|↓

DUR. OF SWITCH ALARM
8 (1=2MS)

3.1.4 This is the duration of a single unbalancing for it to be considered valid.
The acquisition times are shown in the following tables:

Prog.	Description
0	1 ms
1	2 ms
2	5 ms
3	10 ms
4	20 ms

Prog.	Description
5	40 ms
6	80 ms
7	120 ms
8	160 ms
9	200 ms

Prog.	Description
10	600 ms
11	1 s
12	2 s
13	4 s

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the previous level of the Zone Programming menu.

PROG. ZONE
▲ ▼ ENT

PAR|↓

From the *ZONE PROGRAMMING* menu use the down arrow **PAR|↓** to go to the Area Settings menu.

AREAS
▲ ▼ ENT

3.2 In *AREAS* you programme all the settings for the possible control unit partitions.
- From the *AREAS* menu press **ENT** to enter the first Zone Programming menu.

ENT

AREA 1
▲ ▼ ENT

3.2.1 Partition Area refers to the possibility to group zones to obtain different systems with a single control unit.

PAR|↓

AREA 2
▲ ▼ ENT

PAR|↓

AREA 7
▲ ▼ ENT

PAR|↓

AREA 8
▲ ▼ ENT

- From the *AREA 1* to the *AREA 8* menu press **ENT** to enter the Programming menu for the 8 possible areas.
- The control unit has 8 Areas and for each one must be programmed or associated to the required functions. If you do not need to use more than one area, simply do not associate any function to the areas from 2 to 8.
- The arming methods are used to customise the safety system operation; the control unit 01700 has 3 arming modes which are identified with as many push buttons on the keypad: **ON** (total arming), **INT** (internal arming) and **PAR** (partialised arming). Every area can therefore be independently placed in armed state using one of the 3 different modes at a time.
- If the same zone is associated to 2 or more different areas for the same arming mode, a **shared zone** is obtained; the shared zone will be active only when all the associated areas are in the ON state; this automation makes programming easier when there are several systems with a shared entrance. Obviously, there may be more than one shared zone.

ENT

ACTIVE IN ON
▲ ▼ ENT

3.2.1.1 In *ACTIVE IN ON* you programme the zones associated to the arming in **ON** mode.
- Press **ENT** to enter the settings.

ENT

ZONES 1 - 8
_ _ _ _ _ _ _ _

3.2.1.1.1 Select which zone will be *ACTIVE IN ON* when the Area is armed in **ON** mode.
- Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

PAR|↓

ZONES 17 - 24
_ _ _ _ _ _ _ _

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the **Active in ON** menu.

PAR|↓ From *ACTIVE IN ON* use the down arrow **PAR|↓** to go to the Zone Activation Menu in **INTernal**.

3.2.1.2 In *ACTIVE IN ON* you programme the zones associated to the arming in **ON** mode.
- Press **ENT** to enter the settings.

ENT

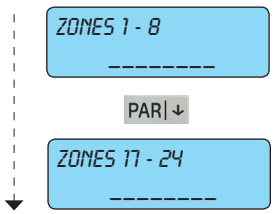
3.2.1.2.1 Select which zone will be *ACTIVE IN INT* when the Area is armed in **INT** mode.
- Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the **Active in INT** menu.

PAR|↓ From *ACTIVE IN INT* use the down arrow **PAR|↓** to go to the Zone Activation menu in **PAR**tialised

3.2.1.3 In *ACTIVE IN PAR* you programme the zones associated to arming in **PAR** mode.
- Press **ENT** to enter the settings.

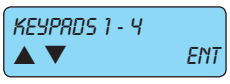
ENT



3.2.1.3.1 Select which zone will be *ACTIVE IN INT* when the Area will be armed in **PAR** mode.
- Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

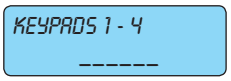
ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the **Active in PAR** menu.

PAR|↓ From *ACTIVE IN PAR* use the down arrow **PAR|↓** to go to the Keypad Association menu.



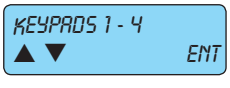
3.2.1.4 In *KEYPADS 1 - 4* programme the association between the chosen Area and the installed keypads.
- Press **ENT** to enter the settings.

ENT

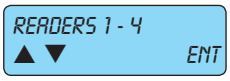


3.2.1.4.1 Select which *KEYPAD 1 - 4* will be associated to the chosen Area.
- Write the number **1-2-3-4** for the keypads which must be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Keypads menu.

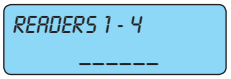


PAR|↓ From *KEYPADS 1 - 4* use the down arrow **PAR|↓** to go to the readers programming menu.



3.2.1.5 In *READERS 1 - 4* programme the association between the chosen Area and the installed readers.
- Press **ENT** to enter the settings.

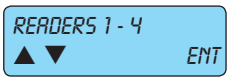
ENT



3.2.1.5.1 Select which *READERS 1 - 4* reader will be associated to the chosen Area.
- Write the number **1-2-3-4** for the reader to be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the reader programming menu level.



ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Area Programming menu level.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Area Programming menu level.

PAR|↓

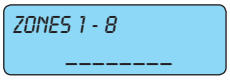
From *AREA 02* use the down arrow **PAR|↓** to go to the Alarm Options Settings menu.

3.3 In *ALARM OPTIONS* you programme all the function to be associated to the control unit alarm state.
- From the *ALARM OPTIONS* menu press **ENT** to enter the settings.

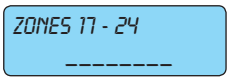
ENT

3.3.1 In *MEMO ALARM* make the events memory record the alarm.
- Press **ENT** to enter the settings.

ENT



PAR|↓



3.3.1.1 Select which *ZONE 1 - 8* must record the alarm in the control unit events memory.
- Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back*

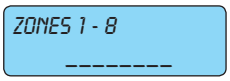
As there are no more parameters to be programmed, press **ESC|←** to return to the Alarm Memo Menu.

PAR|↓

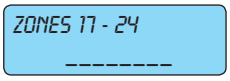
From *MEMO ALARM* use the down arrow **PAR|↓** to view the Reset Memo Menu.

3.3.2 In *RESET MEMO* make the events memory record the alarm reset.
• Press **ENT** to enter the settings.

ENT



PAR|↓



3.3.2.1 Select which zone must *RECORD THE ALARM RESET* in the control unit events memory.
• Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

Events Memory:
• the control unit has a memory used to record all the fault, arming and disarming events with date and time, the codes entered and alarm and zone reset states, if the function described above is selected in programming; there are 500 recorded events which are automatically updated, deleting the oldest ones.

• the events in the memory can be consulted directly by the user and will be shown on the control keypad in the following form:

ESC|← *to go back*

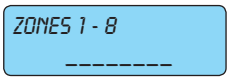
As there are no more parameters to be programmed, press **ESC|←** to return to the Memo Alarm Reset menu.

PAR|↓

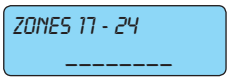
From *MEMO RESET* use the down arrow **PAR|↓** to view the Buzzer Activation menu.

3.3.3 In *BUZZER ACTIVE* you programme which of the programmed zones will activate the keypad buzzer in the event of an alarm. To set the buzzer length see chap. 6 of this manual.
• Press **ENT** to enter the settings.

ENT



PAR|↓



3.3.3.1 Select which zone must *ACTIVATE THE BUZZER* on the keypad in the event of an alarm.
• Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back*

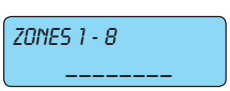
As there are no more parameters to be programmed, press **ESC|←** to return to the Keypad buzzer activation menu.

PAR|↓

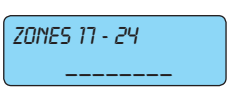
From *BUZZER ACTIVE* use the down arrow **PAR|↓** to view the Double Balancing menu.

3.3.4 In *DOUBLE EOL* you programme the zones with double balancing.
• Press **ENT** to enter the settings.

ENT



PAR|↓



3.3.4.1 Select which zone must be programmed for *DOUBLE BALANCING*.
• Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
• The zones not associated to double balancing will automatically be programmed for single balancing.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Double Balancing menu

PAR|↓ From *DOUBLE EOL* use the down arrow **PAR|↓** to view the Triple Balancing menu.

3.3.5 In *TRIPLE EOL* you programme the zones with triple balancing.
• Press **ENT** to enter the settings.

ENT

3.3.5.1 Select which zone must be programmed for *TRIPLE BALANCING*.
• Write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
• To be associated to triple balancing, the zones must also be associated to double balancing.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Triple Balancing menu.

PAR|↓ From *TRIPLE EOL* use the down arrow **PAR|↓** to view the Alarm Coding menu.

3.3.6 In *ALARM CODING* with a number greater than zero, you enable the multiple alarm control function.
• Write the number of alarms required to activate the Alarm Coding function.
- After the programmed number of alarms in the same zone, the alarm relay will no longer be activated, the events memory records the zone bypassed and the sum of the events and a single phone call will be made notifying the zone bypassed.
- The counter reset and re-inclusion of the zone will occur when disarming the control unit or if an alarm is triggered in another zone.
- All zones programmed with *24 hour type* and *tamper* functions are excluded automatically from the alarm coding.
- Enter zero to completely disable the function.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Alarm Options menu.

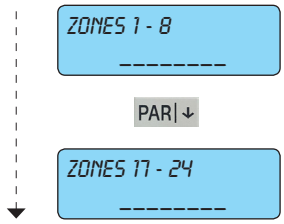
PAR|↓ From *ALARM OPTIONS* use the down arrow **PAR|↓** to go to the Auxiliary Options menu.

3.4 In *AUXILIARY OPTIONS* you programme the auxiliary parameters for the zones.
• From the *AUXILIARY OPTIONS* menu press **ENT** to enter the settings.

ENT

3.4.1 In *BUZZER IN* you programme which zones programmed with timer must make the keypad buzzer ring.
• From the *BUZZER IN* press **ENT** to enter the settings.

ENT



3.4.1.1 Which zone must activate the *BUZZER IN* on the keypads to indicate the entry time of a timed zone.
- For each zone group, write the number 1-2-3-4-5-6-7-8 for the input lines that must activate the buzzer.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

- The function can be left active for all zones as only the timed zones will make the keypad buzzer ring.

ESC|← *to go back*

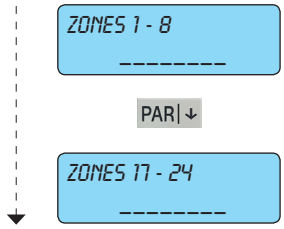
As there are no more parameters to be programmed, press **ESC|←** to return to the Buzzer IN menu.

PAR|↓

From the *BUZZER IN* menu use the down arrow **PAR|↓** to view the Buzzer OUT menu.

3.4.2 In *BUZZER OUT* you programme which zones programmed with timer must make the keypad buzzer ring.
- From the *BUZZER OUT* menu press **ENT** to enter the settings.

ENT



3.4.2.1 Which zone must activate the *BUZZER OUT* on the keypads to indicate the exit time of a timed zone.
- For each zone group, write the number **1-2-3-4-5-6-7-8** for the input lines that must activate the buzzer.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

- The function can be left active for all zones as only the timed zones will make the keypad buzzer ring.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Buzzer OUT menu.

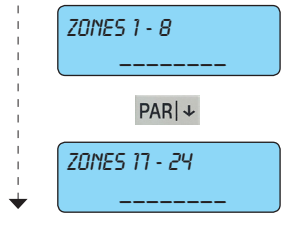
PAR|↓

From the *BUZZER OUT* menu use the down arrow **PAR|↓** to go to the Chime menu.

The *CHIME* is a function that makes the keypad buzzer ring when, with the system disarmed, the zone is unbalanced. The sound is continuous and you must enter a User ID to silence it.

3.4.3 In *CHIME* you programme which zones will activate the Chime function.
- From the *CHIME* menu press **ENT** to enter the settings.

ENT



3.4.3.1
- For each zone group, write the number **1-2-3-4-5-6-7-8** for the input lines that must activate the buzzer.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back*

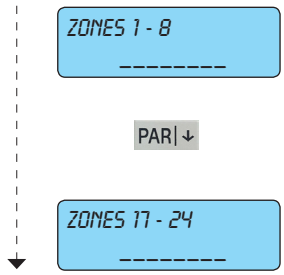
As there are no more parameters to be programmed, press **ESC|←** to return to the Chime menu level.

PAR|↓

From the *CHIME* use the down arrow **PAR|↓** to go to the Door menu.

3.4.4 In *DOOR* you programme which zones activate the Chime function.
- From the *DOOR* menu press **ENT** to enter the settings.

ENT



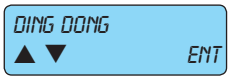
3.4.4.1 The DOOR is a function that makes the keypad buzzer ring when, with the system disarmed, the zone is unbalanced.

The sound is continuous and you must enter a User ID to silence it.

- For each zone group, write the number **1-2-3-4-5-6-7-8** for the input lines that must activate the buzzer.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

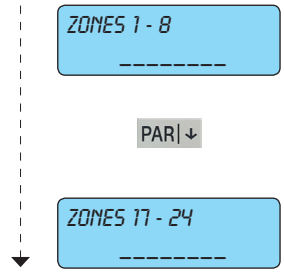
ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Door menu level.

PAR|↓ From the DOOR use the down arrow **PAR|↓** to view the Ding Dong menu.



3.4.5 In DOOR you programme which zones activate the Chime function.
- From the DOOR menu press **ENT** to enter the settings.

ENT



3.4.5.1 The DING DONG is a function that makes the keypad buzzer ring for two seconds when, with the system disarmed, the zone is unbalanced.

The sound will be automatically interrupted even if the zone stays unbalanced.

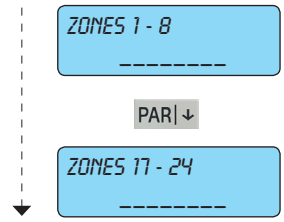
- For each zone group, write the number **1-2-3-4-5-6-7-8** for the input lines that must activate the buzzer.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Ding Dong menu.

PAR|↓ From the DING DONG use the down arrow **PAR|↓** to view the Zone not Bypassable menu.

3.4.6 In ZONE NOT BYPASSABLE you programme the zones that cannot be bypassed.
- From the ZONE NOT BYPASSABLE menu press **ENT** to enter the settings.

ENT



3.4.6.1 By selecting the ZONE NOT BYPASSABLE the zone can never be bypassed, even by the User.
- For each zone group, write the number **1-2-3-4-5-6-7-8** for the input lines which cannot be bypassed.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

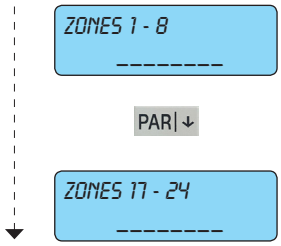
- The zones programmed in Tamper mode can in any case never be bypassed.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Zone not Bypassable level.

PAR|↓ From the ZONE NOT BYPASSABLE use the down arrow **PAR|↓** to view the Zones programmed for pre-alarm menu

3.4.7 In *PRE-ALARM* you programme the zones with Coercion function.
• From the *PRE-ALARM* menu press **ENT** to enter the settings.

ENT



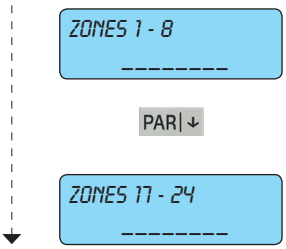
3.4.7.1 The unbalancing of the zone associated to the *PRE-ALARM* function triggers a silent alarm which consequently sends programmed telephone calls.
• For each zone group, write the number **1-2-3-4-5-6-7-8** for the input lines that must activate the phone calls.
• The symbol will come on to confirm the association.
• To remove the association write the required number.
- The coercion zone may be any line in the control unit whatever mode it is programmed in.
- The *Coercion* procedure can only be stopped by unbalancing a zone programmed with the *Delayed Panic Reset* function.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Coercion Menu level.

PAR|↓ From the *PRE-ALARM* use the down arrow **PAR|↓** to view the Menu of the Zones programmed as *Final Door*.

3.4.8 In *FINAL DOOR* you programme the zones to be considered as the last exit. In practice it is a zone that interrupts the timer (exit time) when it is balanced again (this application is useful for entrance doors, doors onto corridors, etc.).
• From the *FINAL DOOR* menu press **ENT** to enter the settings.

ENT



3.4.8.1 The zone associated to the *FINAL DOOR* function immediately stops the exist time of a timed line when this is re-balanced.
• For all zones, write the number **1-2-3-4-5-6-7-8** for the input lines considered “last exit”.
• The symbol will come on to confirm the association.
• To remove the association write the required number.
- The function must necessarily be associated to a zone programmed in Timed mode (see page 5).
- This is a typical function for an entrance door when it is closed after having switched the system on, it immediately stops the exit time.

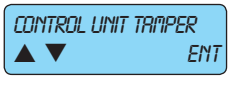
ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Final Door menu level.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Auxiliary Options menu level.

PAR|↓ From *AUXILIARY OPTIONS* use the down arrow **PAR|↓** Anti-tamper settings menu.

3.5 By *TAMPER* we refer to all anti-tamper functions of the system of any kind, although they all follow the same programmed procedure.
• From each *TAMPER* menu press **ENT** to enter the settings.

ENT



• *TAMPER CONTROL UNIT* : there are two types, but both are identified in the same way.

Dedicated control unit anti-tamper line; in the terminal block, identified by codes **TT.**
Buttons protecting the control unit container from being opened or pulled off the wall.

PAR|↓

KEYPAD TAMPER ▲ ▼ ENT

PAR|↓

- *KEYPAD TAMPER* : this is the anti-tamper function protecting the keypad from being opened or pulled off the wall, or having the connecting cables cut.

INP. EXP. TAMPER ▲ ▼ ENT

PAR|↓

- *INP. EXP. TAMPER* : is the anti-tamper device coming from the tamper input and input expansion module 01709 communication input.

OUT. EXP. TAMPER ▲ ▼ ENT

PAR|↓

- *OUT. EXP. TAMPER* : is the anti-tamper device coming from the tamper input and output expansion module 01710 communication input.

ENT

ACTIVATE RELAY 1 YES

PAR|↓

3.5.1 A **YES** enables the *ACTIVATION OF RELAY 1* general alarm.
- Press **CLR** to change the settings.

ACTIVATE RELAY 2 YES

PAR|↓

3.5.2 A **YES** enables the *ACTIVATION OF RELAY 2* .
- Press **CLR** to change the settings.
  - The use of this condition: *RELAY 2 ACTIVE NO* annuls the IMQ type-approval.

ACTIVATE BUZZER YES

PAR|↓

3.5.3 A **YES** enables the *ACTIVATION OF THE KEYPAD* buzzer.
- Press **CLR** to change the settings.

ALARM MEMORY YES

PAR|↓

3.5.4 A **YES** programmes the control unit to *RECORD THE ALARM* in the control unit events memory.
- Press **CLR** to change the settings.

RESET MEMORY NO

3.5.5 A **YES** programmes the control unit to *RECORD THE ALARM RESET* in the control unit events memory.
- Press **CLR** to change the settings.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Tamper menu level.

TAMPER ▲ ▼ ENT

PAR|↓

From *TAMPER* use the down arrow **PAR|↓** to go to the Masking settings menu.

MASKING ▲ ▼ ENT

3.6 In *MASKING* the control unit is programmed for detecting a masking state alarm in the sensors (see *Triple Balancing*).
- From the *MASKING* menu press **ENT** to enter the first associated function.

ENT

ACTIVATE RELAY 1 YES

PAR|↓

3.6.1 A **YES** enables the *ACTIVATION OF RELAY 1* general alarm.
- Press **CLR** to change the settings.

ACTIVATE RELAY 2 YES

PAR|↓

3.6.2 A **YES** enables the *ACTIVATION OF RELAY 2* .
- Press **CLR** to change the settings.

ACTIVATE BUZZER YES

PAR|↓

3.6.3 A **YES** enables the *ACTIVATION OF THE* keypad buzzer.
- Press **CLR** to change the settings.

3.6.4 A **YES** programmes the control unit to *RECORD THE ALARM* in the control unit events memory.
• Press **CLR** to change the settings.

PAR|↓

3.6.5 A **YES** programmes the control unit to *RECORD THE RESET* in the control unit events memory.
• Press **CLR** to change the settings.

PAR|↓

3.6.6 The type of masking used by the sensor is defined.

• The masking alarm output can be activated in two different ways, depending on the construction characteristics of the sensor; you must therefore consult the sensor manual to identify the operating mode.

- *IN STATE* : the output is active and remains in this state for the whole time during which the sensor reads the masking; it is reset automatically when the causes of the masking are removed.
- *PULSE*: the output is active when it reads the sensor masking and after a few seconds it is reset automatically even if the causes persist (pulse function). This is also valid for the sensor anti-masking flashing mode.

PAR|↓

3.6.7 A **YES** makes the sensor masking state reading active also from the control unit in armed mode.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Masking menu level.

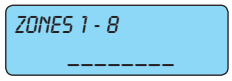
PAR|↓ From the *MASKING* menu use the down arrow **PAR|↓** to view the Zone Test menu.

3.7 The *ZONE TEST* is a function used to control the alarm cycle on certain zones, limiting its functions (see points 3.7.2 to 3.7.5). It is possible to set a time interval in which these zones will not activate the signalling devices in order to monitor whether they are subject to false alarms.
• From the *ZONE TEST* menu press **ENT** to enter the first programming menu.

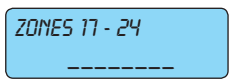
ENT

3.7.1 In *TEST ZONE* you programme the zones that will be conditioned by the test functions.
• From the *TEST ZONE* menu press **ENT** to enter the first associated function.

ENT



PAR|↓



3.7.1.1 For which *ZONE FROM 1 TO 8* the test function must be activated.

• For each zone group, write the number 1-2-3-4-5-6-7-8 for the input lines that will be put in test state.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Test Zone menu level.

PAR|↓ From the *TEST ZONE* menu use the down arrow **PAR|↓** to go to the test function programming menu.

3.7.2 Programming a **NO**, an alarm state caused by the zone to which the test function is associated will not cause the *ACTIVATION OF THE RELAY 1* general alarm.

• Press **CLR** to change the settings.

PAR|↓

PAR|↓

3.7.3 Programming a **NO**, an alarm state caused by the zone to which the test function is associated will not cause the *ACTIVATION OF THE RELAY 2* .
• Press **CLR** to change the settings.

PAR|↓

3.7.4 Programming a **NO**, an alarm state caused by the zone to which the test function is associated will not cause the *ACTIVATION OF THE OUTPUT/S*.
• Press **CLR** to change the settings.

PAR|↓

3.7.5 Programming a **NO**, an alarm state caused by the zone to which the test function is associated will not cause the *ACTIVATION OF THE BUZZER*.
• Press **CLR** to change the settings.

PAR|↓

3.7.6 Programming a **NO**, an alarm state caused by the zone to which the test function was associated will not activate the *PHONE COMMUNICATIONS*.
• Press **CLR** to change the settings.

3.7.7 In *ZONE TEST DURATION* you set the test duration in days.
• Write the number of days of the zone test period directly.

- The test period starts from the time you exit the programming.
- After the test period, the zones return to programmed operation, ignoring the test settings.
- **Important**: - The test settings remain programmed in the control unit, even if the test period has expired, and in fact do not condition the control unit operation in any way.
- If however you enter or exit the programming, even without editing any of the settings, the zone test period will be represented.
- This is to be able to activate the function from Installer Remote Phone Connection; in this way the sensors can be controlled from critical calibration and in difficult environmental positions, putting the device in test mode without having to go directly on site.
- With a value of 0 the zones are constantly being tested and their operation depends on the test configurations.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Zone Test menu level.

PAR|↓ From the *ZONE TEST* menu use the down arrow **PAR|↓** to view the Radio Options menu.

3.8 In *RADIO OPTIONS* you programme the functions associated to the module 01729.

ENT

3.8.1 The *SUPERVISION* is the control the radio receiver has over the receivers; if it does not read a survival signal the programmed functions are activated.

ENT

PAR|↓

3.8.1.1 A **YES** enables the *ACTIVATION OF RELAY 1* general alarm.
• Press **CLR** to change the settings.

PAR|↓

3.8.1.2 A **YES** enables the *ACTIVATION OF RELAY 2* .
• Press **CLR** to change the settings.

PAR|↓

3.8.1.3 A **YES** enables the *ACTIVATION OF THE* keypad buzzer.
• Press **CLR** to change the settings.

PAR|↓

3.8.1.4 A **YES** programmes the control unit to *RECORD THE ALARM* in the control unit events memory.
• Press **CLR** to change the settings.

3.8.1.5 A **YES** programmes the control unit to *RECORD THE ALARM RESET* in the control unit events memory.
• Press **CLR** to change the settings.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Supervision menu.

PAR|↓

From the *SUPERVISION* menu use the down arrow **PAR|↓** to go to the Radio Device Battery management menu.

3.8.2 In *BATT. LOW RF* programmes the functions associated to the radio frequency detector 01727 and 01728 flat battery signal.

ENT

PAR|↓

PAR|↓

PAR|↓

PAR|↓

3.8.2.1 A **YES** enables the *ACTIVATION OF RELAY 1* general alarm.
• Press **CLR** to change the settings.

3.8.2.2 A **YES** enables the *ACTIVATION OF RELAY 2* .
• Press **CLR** to change the settings.

3.8.2.3 A **YES** enables the *ACTIVATION OF THE* keypad buzzer.
• Press **CLR** to change the settings.

3.8.2.4 A **YES** programmes the control unit to *RECORD THE ALARM* in the control unit events memory. This is used to view even the detail of the zone the device belongs to.
• Press **CLR** to change the settings.

3.8.2.5 A **YES** programmes the control unit to *RECORD THE ALARM RESET* in the control unit events memory.
• Press **CLR** to change the settings.

ESC|← *to go back*

As there are no more parameters to configure, press **ESC|←** to return to the radio device battery managing menu.

PAR|↓

From the *TRANSMITTER BATTERY* menu use the down arrow **PAR|↓** to go to the Transmitters management menu.

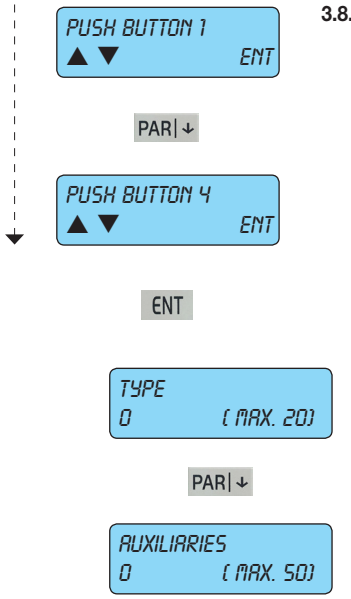
3.8.3 In *TRANSMITTERS* you programme the functions associated to the 4 push buttons on the 8 possible Transmitters.

ENT

3.8.3.1 For the *TRANSMITTERS 1* you programme the function associated to the 4 push buttons on the 8 possible Transmitters.

Enter the number of the transmitter for which you wish to associate the various functions to the respective push buttons (from 1 to 8).

PAR|↓



3.8.3.1.1 For *BUTTON 1*, *BUTTON 2*, *BUTTON 3* and *BUTTON 4* you have to associate the type of function which must be completed with auxiliary data; having selected the required button (1-4) press **ENT** to view the options **Type** and **Auxiliaries** which have the following functions:

Progr.	Options	Function description
0	0	No function
1	1 - 8	Area ON mode on [1 - 8]
2	1 - 8	Area INTERNAL mode on [1 - 8]
3	1 - 8	Area PARTIALISED mode on [1 - 8]
4	1 - 8	Area off [1 - 8]
5	1 - 24	Exclude zone [1 - 24]
6	1 - 24	Re-include zone [1 - 24]
7	1 - 24	Activate output [1 - 24]
8	1 - 24	Deactivate output [1 - 24]
9	1 - 20	Start Macro [1 - 20]
10	1 - 20	Stop Macro [1 - 20]
11	1 - 20	Reset Macro [1 - 20]
12	1 - 20	Enable Macro [1 - 20]
13	1 - 20	Disable Macro [1 - 20]
14	1 - 50	Lock User Codes [1 - 50]
15	1 - 50	Release User Codes [1 - 50]
16	1 - 4	Keypad lock [1 - 4]
17	1 - 4	Keypad Release [1 - 4]
18	1-32	By-me command [1-32]
19	0 - 255	Entry of a Delay in minutes or seconds

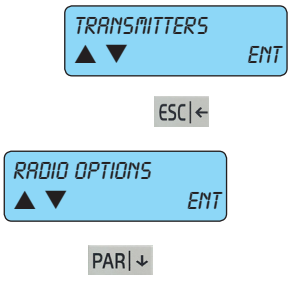
ESC|← *to go back*

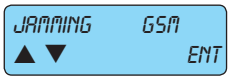
As there are no more parameters to be programmed, press **ESC|←** to return to the Buttons menu level.

Select the other buttons and repeat the procedure illustrated in 3.8.3.1.1.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Transmitters Menu level.





ENT

3.8.3.1.2 A **YES** enables the *ACTIVATION OF RELAY 1* general alarm.
• Press **CLR** to change the settings.

PAR|↓

3.8.3.1.3 A **YES** enables the *ACTIVATION OF RELAY 2* .
• Press **CLR** to change the settings.

PAR|↓

3.8.3.1.4 A **YES** enables the *ACTIVATION OF THE* keypad buzzer.
• Press **CLR** to change the settings.

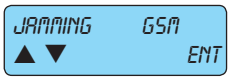
PAR|↓

3.8.3.1.5 A **YES** programmes the control unit to *RECORD THE ALARM* in the control unit events memory.
• Press **CLR** to change the settings.

PAR|↓

3.8.3.1.6 A **YES** programmes the control unit to *RECORD THE ALARM RESET* in the control unit events memory.
• Press **CLR** to change the settings.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Transmitter Battery menu.



ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return the the Transmiter Battery menu.

PAR|↓ From the *INPUTS* menu use the down arrow **PAR|↓** to view the Output Programming menu.

4. Output Programming

ENT

4. In *OUTPUTS* you programme all the control unit output settings.
• From the *OUTPUTS* menu press **ENT** to enter the first Output Programming menu.

4.1 *RELAY 1* is the positive safety alarm output the sirens must be connected to.
• From the *RELAY 1* menu press **ENT** to enter the first Programming menu.

Output RELAY 1
Positive safety relay, with double exchange, with 1A capacity each. A voltage free exchange is provided at the output where **C** is the common, **NC** is the normally closed exchange and **NO** is the normally open one; the other one is provided already polarized for connecting the self-powered sirens and the optional non-self-powered internal sirens.

- / + : power supply for recharging the batteries of the self-powered sirens; the positive is protected by the 3.15A 250V fuse F3.

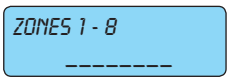
+S ext : command positive for the self-powered sirens; it constantly provides a positive which fails in the event of an alarm and is protected by the 3.15A 250V fuse F4.

ENT

+S int : power supply positive for the optional non-self-powered sirens; it provides a positive in the event of an alarm and is protected by the 3.15A 250V fuse F4.

4.1.1 In *ACTIVE ZONES* you programme the zone to activate relay 1.
• From *ACTIVE ZONES* press **ENT** to enter the first Programming menu.

ENT



PAR|↓

4.1.1.1 Select which *ZONE FROM 1 TO 24* must activate the relay in the event of an alarm.

- For each zone group, write the number 1-2-3-4-5-6-7-8 for the zones to be associated
  - The default setting associates all the zones to relay 1
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Activated from Zone menu.

PAR|↓

From the *ACTIVE ZONES* menu use the down arrow **PAR|↓** to go to the other Relay 1 settings.

4.1.2 Define what the *ACTIVATION TIME* of relay 1 must be.
• Write the required time in figures.
  - The time base may be in minutes or seconds (see next step).

PAR|↓

4.1.3 The time selected can be in *MINUTES* or seconds.
• Press **CLR** to change the settings.

PAR|↓

4.1.4 Set an *ACTIVATION DELAY* if required.
• Write the required time in figures.
  - To maintain IMQ safety system certification the delay on activating the main relay must be programmed to zero

PAR|↓

4.1.5 Set a *DEACTIVATION DELAY* if required.
• Write the required time in figures.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Relay 1 Programming menu.

Output Programming

RELAY 1
▲ ▼ ENT

PAR|↓ From the Relay 1 Programming *MENU* use the down arrow **PAR|↓** to go to the Relay 2 Programming menu.

RELAY 2
▲ ▼ ENT

4.2 *RELAY 2* is a supplementary alarm output.
• From the Relay 1 men press **ENT** to enter the first Programming menu.

Output RELAY 2
Non-positive safety relay, with exchange with 1A capacity. The voltage-free exchange is provided at the output where there is the common, **NC** is the normally closed exchange and **NO** is the normally open one.

ENT

TYPE
0 (0 - 255)

4.2.1 Use *TYPE* to select the Relay 2 output function, associating the activation mode.
• Write the number of the required method consulting the output programming table given in point 4.3.2.
- Important: make sure that relay 2 is already associated to the tamper.

PAR|↓

ACTIVE ZONES
▲ ▼ ENT

4.2.2 In *A ZONES* the relay must activate in the event of an alarm.
• From *ACTIVE ZONES* press **ENT** to enter the first Programming menu.

ENT

ZONES 1 - 8
_ _ _ _ _ _ _ _

4.2.2.1 Select which *ZONE FROM 1 TO 8* must activate the relay in the event of an alarm.
• For each zone group, write the number **1-2-3-4-5-6-7-8** for the zones to be associated.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

PAR|↓

ZONES 17 - 24
_ _ _ _ _ _ _ _

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Activated from Zone menu.

ACTIVE ZONES
▲ ▼ ENT

PAR|↓ From the *ACTIVE ZONES* menu use the down arrow **PAR|↓** to go to the other Relay 2 settings.

ACTIVATION TIME
3 (0 - 255)

4.2.3 Define what the *ACTIVATION TIME* of relay 2 must be.
• Write the required time in figures.
- The time base may be in minutes or seconds (see next step).

PAR|↓

TIME
MINUTES

4.2.4 The time selected can be in *MINUTES* or seconds.
• Press **CLR** to change the settings.

PAR|↓

ARMING DELAY
0 (0 - 255)

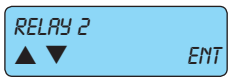
4.2.5 Set an *ACTIVATION DELAY*, if required.
• Write the required time in figures.

PAR|↓

DISARMING DELAY
0 (0 - 255)

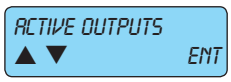
4.2.6 Set a *DEACTIVATION DELAY*, if required.
• Write the required time in figures.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Relay 2 Programming menu level.



PAR|↓

From the *RELAY 2 PROGRAMMING* menu use the down arrow **PAR|↓** to go to the Output Programming menu.



4.3 The active outputs are additional outputs available via the output expansion modules **01710**.

ENT

4.3.1 Choose the *NUMBER OF THE OUTPUT* to be programmed.
• Write the number of the output to be programmed.

PAR|↓

4.3.2 Choose the output function associating the mode.
• Write the number of the required mode by consulting the table on the following page.

PAR|↓

Progr.	Type of function	Description
0	No function	No associated function.
1	Zone state (circuit test)	When one of the associated zones is unbalanced the output is activated, while if a zone is excluded the exit is activated intermittently; the output does not follow the programmed times.
2	Zone state (not flashing)	When one of the associated zones is unbalanced the output is activated; the output does not follow the programmed times.
3	Timed zone state	The output is activated when one of the associated zones is unbalanced; the output is deactivated at the end of the programmed time (classic application: stair lights). Note: the programmed time starts from when the zone is re-balanced.
4	Zone alarm	The output is activated when one of the associated zones sets off an alarm, following the programmed time. **Time: T1**
5	Anti-tampering zone	The output is activated when one of the associated zones sets off an anti-tampering alarm, following the programmed time. **Time: T1**
6	Masking	The output is activated when one of the associated zones sets off a masking alarm, following the programmed time. **Time: T1**
7	General anti-tampering	The output is activated when any anti-tampering alarm is triggered from any part, following the programmed time. **Time: T1**
8	Control unit anti-tampering	The output is activated when there is a anti-tampering alarm on the control unit, following the programmed time. **Time: T1**
9	Keypad anti-tampering	The output is activated when there is a anti-tampering alarm on one or more keypads, following the programmed time. **Time: T1**
10	Input expansion Tamper	The output is activated when there is a anti-tampering alarm on one or more input expansion modules 01709, following the programmed time. **Time: T1**
11	Output expansion Tamper	The output is activated when there is a anti-tampering alarm on one or more output expansion modules 01710, following the programmed time. **Time: T1**
12 - 19	Area on 1-8	The output is activated when the selected group is inserted in one of the three modes. If during the last on period there was an alarm and the output activation duration is not zero, when disconnecting the group the output flashes until reconnection, or otherwise is deactivated.
20 - 27	Area ON on 1-8	It is activated when the selected group is on in ON mode. **Time: T4**
28 - 35	Area INT on 1-8	As above, when the selected group is on in INT mode. **Time: T4**
36 - 43	Area PAR on 1-8	As above, when the selected group is on in PAR mode. **Time: T4**
44	Activation from keypad RFA, PO	The outputs programmed in this mode can be activated from a user code, a remote phone using the RFA function and from a programmable time switch. If the activation duration is 255 the output function is toggle otherwise it follows the programmed time.

Output Programming

Progr.	Type of function	Description
45	No mains	It is activated when there is no 230 V mains voltage to the control unit. **Time: T2**
46	Battery trouble	It is activated when the control unit or additional power supply battery level is low or not available. **Time: T2**
47	Cut telephone line	It is activated when the phone line is cut. **Time: T2**
48	Failed GSM signal	It is activated when there is no GSM signal on the module 01706. **Time: T2**
49	Sim used up	It is activated when the SIM CARD inserted has less than 5 EUR. **Time: T2**.
50	On line PSTN dialler	It is activated when the phone communicator occupies the line. **Time: T2**
51	On line GSM	It is activated when the module 01706 is on line. The output follows the set times. **Time: T2**
52	Self-test (battery)	It is activated when the control unit runs the dynamic battery test. **Time: T3**
53	No PC connection	It is activated when there is no direct connection with the PC. **Time: T3**
54	Incorrect code	It is activated when an incorrect code is entered three times in a row both from the keypad and from an RFA telephone connection. **Time: T3**
55	Chime	It is activated when the lines associated to the chime function are unbalanced. This output is reset when a valid user code is entered for the group the relative zones belong to; the output does not follow the programmed time.
56	Ding dong	It is activated when the lines associated to the Din Don function are unbalanced. **Time: T3**
57	Advanced warning turning on by Prog. Timer	It is activated during the programmable time switch on notification time. **Time: T3**
58	Installer ID	It is activated when an installer code is entered and is deactivated when you exit programming regardless of the programmed time value.
59-66	Area 1-8	The exit is activated when the re-entry time for the corresponding group is progress and is deactivated after the time or if the group is turned off.
67-74	Area 1-8	The exit is activated when the exit time for the corresponding group is progress and is deactivated after the time or if the group is turned off.
75	Output AND Zone	The output is activated when all the associated entry lines cause an alarm. **Time: T3**
78	Remote function access active	The output is active when an RFA remote function session is in progress. **Time: T1**
79	Key (TAG) recognised	The output is activated when a proximity key is recognised. **Time: T1**
80	General output (RFA-TAST-PO)	The output is activated when commanded from a user code, emergency code, programmable time switch, macro or RFA. **Time: T3**
81	Panic message	The output is activated when a panic call is made from the keypad (ON + 4). **Time: T3**
82	Doctor Message	The output is activated when a doctor call is made from the keypad (ON + 5). **Time: T3**
83	Fire Message	The output is activated when a fire call is made from the keypad (ON + 6). **Time: T3**
84	Public holiday	The output is active when there is a public holiday running on the programmable time switch. **Time: T2**
85	Locked Prog. Timer (PO)	The output is activated when the programmable time switch is disabled by the user. **Time: T2**
86	Non-routine	The output is active when overtime is running on the programmable time switch. **Time: T2**
87	Keypad lock	The output is active when the associated keypad is locked. **Time: T2**
88 - 95	Suspension Area 1-8	The output is active when the corresponding group is suspended. **Time: T2**
96	User codes blocked	The output is active when one or more associated codes are locked (by the Programmable time switch or an appropriately programmed input). **Time: T2**
97	Pre-alarm	The output is activated at the end of the pre-alarm time if the coercion condition is not re-set. **Time: T3**
98	Phone line ring-tone	The output is activated when the telephone connected to the network rings. **Time: T3**

Progr.	Type of function	Description
99	GSM line ring-tone	The output is active when the GSM module 01706 is receiving a call. **Time: T3**
100	Incoming SMS	The output is activated when a text message arrives through the GSM module 01706. **Time: T3**
101	AND Outputs	The output is activated when all the associated outputs cause an alarm. **Time: T3**
102	OR Outputs	The output is activated when one of the associated outputs causes an alarm. **Time: T3**
103	Gate	The output is activated when one of the associated entrances is activated from a transponder key. **Time: T1**
104	Caller recognition (via GSM)	The output is activated when the associated numbers are recognised on arrival by the GSM module 01706. **Time: T1**
105	SIM expiring	The output is activated when there are 30 days left until the SIM expires. **Time: T1**.
106	Fail supervision	
107	Radio battery trouble	
108	Jamming	

For the usable and therefore programmable time values, comply with what stated in the table below.

Times	Times	
T 1	**0 :**	armed for 3 seconds
	1 .. 253 :	armed for the programmed seconds or minutes
	254 :	armed until the area to which the zone is associated is disconnected
	255 :	follows the zone alarm status (disarmed if the zone returns from the alarm status)
T2	If the activation length is 255 the output follows the signalling status otherwise it follows the programmed time	
T3	The output on duration follows the programmed time	
T4	**0 :**	a pulse is given on arming and again on disarming.
	1 .. 253 :	armed for the programmed seconds or minutes
	255 :	follows the signalling status

PAR|↓

4.3.3 Define the *ACTIVATION TIME* of the active output selected.
- Write the required time in figures.
  - The time base may be in minutes or seconds (see next step).

PAR|↓

4.3.4 The selected time can be in *SECONDS* or minutes.
- Press **CLR** to change the settings.

PAR|↓

4.3.5 Set an *ACTIVATION DELAY* if required.
- Write the required time in figures.

PAR|↓

4.3.6 Set a *DEACTIVATION DELAY* if required.
- Write the required time in figures.

PAR|↓

4.3.7 In *OUTPUT MODE* you programme the output state:
- Write the required time in figures.

Not active: normally does not supply any voltage; a negative is supplied when the programmed condition occurs.

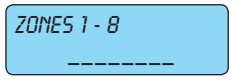
Active: constantly supplies a negative which is stopped when the programmed condition occurs.

PAR|↓

4.3.8 In *MEMO ACTIVATION* with a **YES** you programme any active output state change is recorded in the control unit events memory.
- Press **CLR** to change the settings.

ENT

4.3.9 In *ACTIVE ZONES* you programme the zone which must activate the output.
- From *ACTIVE ZONES* press **ENT** to enter the first Programming menu.

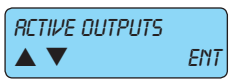


PAR|↓

4.3.9.1 Select which *ZONE FROM 1 TO 8* must be activated in the event of unbalancing of the active output selected.
- For each zone group, write the number 1-2-3-4-5-6 for the zones to be associated.
- The symbol will come on to confirm the association.
- To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the zone activation menu level.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Output Programming menu level.



ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Output Programming menu level.

PAR|↓ From the *OUTPUTS* menu use the down arrow **PAR|↓** to return to the Code Programming menu level.

5. ID Programming

5. The Codes are used to manage all the control unit functions and are authentic access keys.

- The first 15 default codes are given in the following table and by default programming only the Installer ID and the User 1 ID are enabled; all other User IDs must be activated via the programming.

Installer	User 1	User 2	User 3	User 4	User 5
	111111	222222	333333	444444	555555
	User 6	User 7	User 8	User 9	User 10
123456	666666	777777	888888	999999	000000
	User 11	User 12	User 13	User 14	User 15
	100000	100100	100200	100300	100400

ENT Press **ENT** to enter the settings.

5.1 In *INSTALLER ID* you programme the figures comprising the code.
- From the *INSTALLER ID* menu press **ENT** to enter the settings.

ENT

5.1.1 The Installer ID is the only code allowing access to the programming and is programmed by default as **123456**.
- Press **CLR** to delete the current code.
- Write the **new code**.
- Press **ENT** to confirm the new code.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Installer ID Programming menu level.

PAR|↓ From the Installer ID *PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the User ID Programming menu.

5.2 In *USER IDS* you enter the figures comprising the ID.
- Press **ENT** to enter the programming.

ENT

5.2.1 Select the *NUMBER OF THE CODE* you wish to programme.
- Write the number of the code you wish to programme.
- With the down arrow **PAR|↓** go to the User ID parameter settings.

PAR|↓

5.2.2 In *CODE DIGITS* you programme the digits comprising the code.
- From the *CODE DIGITS* menu press **ENT** to enter the settings.

ENT

5.2.2.1 You enter the value of the chosen code.
- Press **CLR** to delete the current code.
- Write the **new code.**
- Press **ENT** to confirm the new code.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Code Digits Programming menu level.

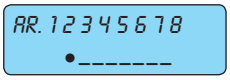
PAR|↓ From the Code Digits Programming *MENU* use the down arrow **PAR|↓** to go to the Code properties programming menu.

5.2.3 A **YES** programmes the *ACTIVE CODE* .
• Press **CLR** to change the settings.

PAR|↓

5.2.4 In *ACTIVE AREAS* you associate the code to the control unit area.
• From the *ACTIVE AREAS* menu press **ENT** to enter the settings.

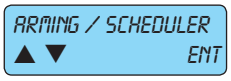
ENT



5.2.4.1 Select an *AREA 12345678* to associate the Code to.
• Write the number 1-2-3-4-5-6-7-8 for the areas it is associated to.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Active Areas menu level.

PAR|↓ From *ACTIVE AREAS* use the down arrow **PAR|↓** to go to the Arming and Scheduler Settings menu.



5.2.5 In the *ARMING/SCHEDULER* menu you programme all the functions for the arming states.
• Press **ENT** to enter the settings.

ENT

5.2.5.1 A **YES** enables the Code on *ARMING ON* .
• Press **CLR** to change the settings.

PAR|↓

5.2.5.2 A **YES** enables *ARMING INTERNAL*.
• Press **CLR** to change the settings.

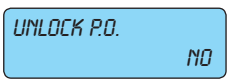
PAR|↓

5.2.5.3 A **YES** enables *ARMING PARTIALISED*.
• Press **CLR** to change the settings.

PAR|↓

5.2.5.4 A **YES** enables the Code to *DISARM* the control unit.
• Press **CLR** to change the settings.

PAR|↓

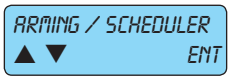


5.2.5.5 A **YES** enables the Code to *BLOCK THE SCHEDULER* .
• Press **CLR** to change the settings.

PAR|↓

5.2.5.6 A **YES** enables the Code to *ENABLE OVERTIME* .
• Press **CLR** to change the settings.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Arming Programming menu.



PAR|↓ From the *ARMING* programming menu use the down arrow **PAR|↓** to go to the Auxiliary Options programming menu.

5.2.6 In the *AUXILIARY OPTIONS* you can programme additional User ID properties.
• Press **ENT** to enter the settings.

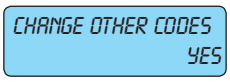
ENT

5.2.6.1 A **YES** enables the User ID to be able to *CHANGE THE TELEPHONE NUMBERS* .
• Press **CLR** to change the settings.

PAR|↓

5.2.6.2 A **YES** enables the User ID to be able to *EDIT ITS OWN CODE*.
• Press **CLR** to change the settings.

PAR|↓



5.2.6.3 A **YES** enables the User ID to be able to *EDIT OTHER CODES*.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.4 A **YES** enables the User ID to be able to *CHANGE THE DATE* .
• Press **CLR** to change the settings.

PAR|↓

5.2.6.5 A **YES** enables the User ID to be able to suspend calls in the event of an alarm.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.6 A **YES** enables the User ID to *VIEW THE EVENTS MEMORY* of the control unit.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.7 A **YES** enables the User ID to *BLOCK THE BUZZER* on the keypad.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.8 With *REMOTE VOCAL MANAGEMENT* **YES** enables the User ID to remotely connect the voice user.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.9 With *REMOTE SMS MANAGEMENT* **YES** enables the User ID for remote connection via SMS.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.10 With *OFF ZONE ACTIVE* **YES** enables the User ID to bypass zones.
• Press **CLR** to change the settings.

PAR|↓

5.2.6.11 With *ACTIVATE MACRO* **YES**, the User ID is enabled to activate the macro-instructions.
• Press **CLR** to change the settings.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Auxiliary Options menu level.

PAR|↓ From the *AUXILIARY OPTIONS* programming menu use the down arrow **PAR|↓** to go to the Access Control Settings menu

5.2.7 In *ACCESS CONTROL* you programme some special functions of the Code.
• Press **ENT** to enter the settings.

ENT

5.2.7.1 A **YES** allows the code to *BLOCK THE SCHEDULER* .
• Press **CLR** to change the settings.

PAR|↓

5.2.7.2 A **YES** allows the code to trigger a *PHONE CALL* send.
• Press **CLR** to change the settings.

PAR|↓

5.2.7.3 With *RESET PANIC* in **YES**, the code can block a silent alarm phone call.
• Press **CLR** to change the settings.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Access Control menu level.

PAR|↓ From *ACCESS CONTROL* use the down arrow **PAR|↓** to go to the proximity key (TAG) Settings menu, associating it to the User ID.

5.2.8 In *TAG SETTINGS* you programme the proximity key for the User ID.
• From the *TAG SETTINGS* menu press **ENT** to enter the settings.

ENT

5.2.8.1 In *TAG ACQUISITION* you associate a proximity key to the User ID.
• Press **ENT** to enter the settings.

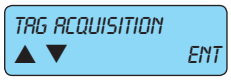
ENT

5.2.8.1.1 In *GENERAL KEY* you associate a proximity key to the system arming and disarming function.
• Press **ENT** to enter the settings.

ENT

5.2.8.1.1.1 *PLACE THE* key near the reader with address 0 and the acquisition will be confirmed on the display.
• Press **ESC|←** to exit the acquisition and return to the previous menu.

ESC|← *to go back*



In *TAG ACQUISITION* you associate a proximity key to the User ID.
• Press **ENT** to enter the settings.

ENT

PAR|↓ From *GENERAL KEY* use the down arrow **PAR|↓** to go to the menu associating the key to the entry function.

5.2.8.1.2 In *ENTRANCE KEY* you associate a proximity key to the entrance control function.
• Press **ENT** to enter the settings.

ENT

5.2.8.1.2.1 *PLACE THE* key near the reader with address 0 and the acquisition will be confirmed on the display.
• Press **ESC|←** to exit the acquisition and return to the previous menu

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the TAG Acquisition menu level.

PAR|↓

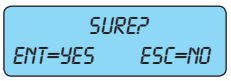
From *TAG ACQUISITION* use the down arrow **PAR|↓** to go to the Cancel TAG menu.

5.2.8.2 In *CANCEL TAG* you remove the association of a proximity key to the User ID.
• Press **ENT** to enter the settings.

ENT

5.2.8.2.1 In *GENERAL KEY* you associate a proximity key to the system arming and disarming function.
• Press **ENT** to enter the settings.

ENT



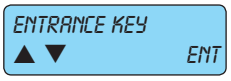
5.2.8.2.1.1 Confirm with **ENT** the request *ARE YOU SURE?* the tag will be cancelled and confirmed on the display.
• Press **ENT** to confirm the cancellation, **CLR** to deletion the operation.

ESC|← *to go back*

Press **ESC|←** to exit the acquisition and return to the previous menu.

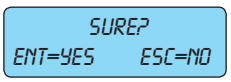
PAR|↓

From *GENERAL KEY* use the down arrow **PAR|↓** to go to the menu associating the key to the entry function.



5.2.8.3.1 In *ENTRANCE KEY* you cancel a proximity key from the entrance control function.
• Press **ENT** to enter the settings.

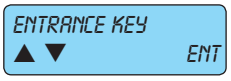
ENT



5.2.8.3.1.1 Confirm with **ENT** the request *ARE YOU SURE?* the tag will be cancelled and confirmed on the display.
• Press **ENT** to confirm the cancellation, **CLR** to deletion the operation.

ESC|← *to go back*

Press **ESC|←** to exit the acquisition and return to the previous menu.



ESC|← *to go back*

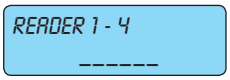
As there are no more parameters to be programmed, press **ESC|←** to return to the TAG Acquisition menu level.

PAR|↓

From the *CANCEL TAG* menu use the down arrow **PAR|↓** to go to the TAG Enabling menu.

5.2.8.4 A **YES** in the *ENABLED* menu means that the proximity key associated to the code is active.
• Press **CLR** to change the settings.

PAR|↓



5.2.8.5 In *READER 1 - 4* you associate the readers to the transponder key to the User ID.
- Write the number 1-2-3-4 for the readers installed; the indicator will come on to confirm the correct programming. To deselect the reader repeat the same
  - The reader is identified with the address given (see indications given in the control unit or reader installation manual).

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the previous level of the TAG settings menu

PAR|↓

From *TAG SETTINGS* use the down arrow **PAR|↓** to go to Programming other functions.

5.2.9 With a**YES**, you *ACTIVATE THE PROGRAMMED OUTPUT* whenever the User ID is entered on the keypad.
- Write the number corresponding to the output to be associated.

PAR|↓

5.2.10 A **YES**, *ACTIVATES THE EMERGENCY OUTPUT* whenever the Emergency Code is entered on the keypad.
- Write the number corresponding to the output to be associated.
  - The Emergency ID is the code originating from the User ID to which a unit is added.
  - It is used to manage all the control unit functions, such as User ID it originates from, and in addition can activate silent calls and, where programmed, also the secondary relay.

PAR|↓

5.2.11 Programme the days of the *CODE DURATION*; after the programmed time, the code will no longer be active.
- Enter the total number of days in which the User ID will be active.
- Entering **0** means an unlimited duration, so the code will always be active.

ESC|← *to go back*

As there is no programming for the selected code, press **ESC|←** to return to the Code 1 number menu.

5.3 By selecting number 2, you select User ID 2 and scrolling through the programming seen above for Code 1 (starting from point 5.2.2) all the parameters are programmed.

ESC|← *to go back*

Having finished programming all the required user IDs, press **ESC|←** to exit the single user ID programming and return to the previous User IDs menu.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the ID settings menu

PAR|↓

From the *IDS* menu use the down arrow **PAR|↓** to go to the Time Programming menu.

6. Time Programming

6. In the Time programming all the control unit times are programmed.
• Press **ENT** to enter the settings.

ENT

6.1 In *TIMES IN OUT* you programme the entry and exit times of the timed lines.
• Press **ENT** to enter the settings.

ENT

6.1.1 In *ENTRY TIME 1* you programme the entry time on the timed line 1.
• Enter the seconds directly.

PAR|↓

6.1.2 In *EXIT TIME 1* you programme the entry time on the timed line 1.
• Enter the seconds directly.

PAR|↓

6.1.3 In *ENTRY TIME 2* you programme the entry time on the timed line 2.
• Enter the seconds directly.

PAR|↓

6.1.4 In *EXIT TIME 2* you programme the entry time on the timed line 2.
• Enter the seconds directly.

PAR|↓

6.1.5 In *ENTRY TIME 3* you programme the entry time on the timed line 3.
• Enter the seconds directly.

PAR|↓

6.1.6 In *EXIT TIME 3* you programme the entry time on the timed line 3.
• Enter the seconds directly.

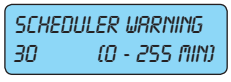
ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the entry and exit time programming menu level.

PAR|↓ From *TIMES IN - OUT* use the down arrow **PAR|↓** to go to the Programming menu for the keypad buzzer duration.

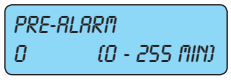
6.2 In *BUZZER DURATION* you programme the time the keypad buzzer rings for in the event of an alarm (if it has already been activated as described in chap. 3 of this manual).
• Enter the minutes directly.

PAR|↓



6.3 In *SCHEDULER WARNING* you programme the warning time in which the keypad buzzer will warn that the auto arming is in progress from the scheduler.
• Enter the warning minutes directly.
- During the warning time it is possible to enter the overtime, which will shift the arming by one hour.
- Overtime can be armed not more than three times, after which the auto arming from the scheduler will in any case be run.
- The overtime can be entered if the User ID running the operation has been enabled (see point 5.2.4.6).

PAR|↓



6.4 In *PRE-ALARM* you programme the delay time that allows the User to block the silent panic call, unbalancing a zone programmed with Delayed Panic Reset (see: type 19).
• Enter the warning minutes directly.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the time settings menu

PAR|↓ From the *TIMES* menu use the down arrow **PAR|↓** to view the Controls Programming menu.

7. Control Programming

CONTROLS ▲ ▼ ENT

ENT

7. In the *CONTROLS* programming you can set all the control unit controls.
• Press **ENT** to enter the settings.

ON ▲ ▼ ENT

ENT

7.1 In the *ARMING* menu you programme the control unit functions associated to the arming.
• Press **ENT** to enter the settings.

PRG.ONLY IN OFF YES

PAR|↓

7.1.1 A **YES** in the *PROGRAMMING ONLY IN OFF* allows access to the control unit programming only when this is in the disarmed state, using the Installer ID.
• Press **CLR** to change the settings.

SELFTEST ON ARMING NO

PAR|↓

7.1.2 A **YES** in the *SELFTEST ON ARMING* activates the power control function each time the control unit is armed.
• Press **CLR** to change the settings.

FORCED ON YES

PAR|↓

7.1.3 A **YES** in *FORCED ARMING* allows the user, via the User ID, to arm the control unit even when the input lines are unbalanced or open.
• Press **CLR** to change the settings.
- The use of the condition: *NO FORCED ARMING* annuls the IMQ type-approval.

FAST ON NO

PAR|↓

7.1.4 A **YES** in *FAST ARMING* allows the user to arm the control unit in fast mode, simply by pressing **ON** or **INT** or **PAR** three times.
• Press **CLR** to change the settings.
- A **NO** means that to arm the control unit the following operations must be performed:
1) Enter the User ID.
2) Press **ON** or **INT** or **PAR** to select the required arming mode.
3) Press **ENT** to confirm your choice.

FAST OFF YES

PAR|↓

7.1.5 A YES in *FAST DISARMING* allows the control unit to be disarmed in fast mode, simply by entering the User ID.
• Press **CLR** to change the settings.
- A **NO** means that to arm the control unit the following operations must be performed:
1) Enter the User ID.
2) Press **0 / OFF** to disarm the control unit.

AREA VISION YES

PAR|↓

7.1.6 A **YES** in *VIEW AREAS* ensures the permanent display of the Area states on the keypad.
• Press CLR to change the settings.

AREAS IN TIME? NO

PAR|↓

7.1.7 A **YES** in *AREAS IN OR?* means that, if the same zone has been associated to more than one area, it is considered shared (see point 3.2.1); **NO** means that the Areas manage the zones independently in the various arming modes.
• Press **CLR** to change the settings.

OFF ZONE -> 24 H NO

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Arming menu level.

ON ▲ ▼ ENT

PAR|↓

From *ARMING* use the down arrow **PAR|↓** to go to the Power supply Programming menu.

POWER SUPPLY ▲ ▼ ENT

ENT

7.2 In the *POWER SUPPLY* menu you programme the control unit functions associated to the power supply.
• Press **ENT** to enter the settings.

MAINS FREQUENCY
50 HZ

PAR|↓

RET. NO MAINS
0 (0 - 255 MIN)

PAR|↓

7.2.1 In *MAINS FAULT DELAY* you programme after how many minutes the control unit must signal that there is no mains voltage by phone communicator.

• Enter the phone communication delay time directly in minutes.

- Enter **0** to disable the function, so the communication will be sent immediately.

SELF-TEST TIME
0 (MAX. 23)

PAR|↓

7.2.2 In *SELF-TEST TIME* you programme the time at which the control unit must run the Self-test.

• Enter the time directly.

- The Selftest is a periodic function that checks that the batteries powering the control unit and other supplementary power supplies are charging correctly.

SELF-TEST MINUTE
0 (MAX. 59)

PAR|↓

7.2.3 In *SELF-TEST MINUTE* you programme the minute in which the control unit must run the Selftest.

• Enter the minutes directly.

SELF-TEST INTERVAL.
0 (0 - 255 HOURS)

PAR|↓

7.2.4 In *SELF-TEST INTERVAL* you programme the interval at which the control unit must run the Selftest.

• Write the time interval directly.

- Enter **0** to not enable the function

DD MAINTENANCE
0 (MAX. 31)

PAR|↓

7.2.5 In *MAINTENANCE DAY* you programme the day on which the keypad display must show an info text indicating the word "maintenance" and the word programmed in the info text (see point 7.3.1), reminding the user of the expiry of the system servicing interval [e.g. *CONTROL UNIT MAINTENANCE*].

• Enter the day directly.

- Enter **0** to not enable the function

MM MAINTENANCE
0 (MAX. 12)

7.2.6 In *MAINTENANCE MONTH* you programme the month on which the system servicing interval expires.

• Enter the month directly.

- Enter **0** to not enable the function.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Power supply settings menu level.

POWER SUPPLY
▲ ▼ ENT

PAR|↓

From *POWER SUPPLY* use the down arrow **PAR|↓** to go to the Text Programming menu.

TEXTS
▲ ▼ ENT

7.3 In the *TEXT* menu you programme the info text and that associated with the control unit lines.

• Press **ENT** to enter the settings.

ENT

INFO TEXT
▲ ▼ ENT

7.3.1 The *INFO TEXT* is the writing that appears on the control unit keypad alternated with the information on the system state, as well as when maintenance is due (see point 7.2.5).

• Press **ENT** to enter the settings.

ENT

INFO TEXT
VIMAR 01700

7.3.1.1 The *TEXT INFO* is programmed by default with the text *VIMAR 01700* .

• Press **CLR** to edit the programming and enter the required characters, following the indications given in the table to the side.

a) Press **CLR** to cancel the letters or digits programmed and go back one character.

b) Fore each lower case letter there is a corresponding upper case letter.

c) If you have to enter two letters the same one after the other, press ON twice.

Button	Associated letters				
1	1	?	!	,	
2	a	b	c	2	
3	d	e	f	3	
4	g	h	i	4	
5	j	k	l	5	
6	m	n	o	6	
7	p	q	r	s	7
8	t	u	v	8	
9	w	x	y	z	9
OFF|0	space	0			

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Info Text settings menu level.

PAR|↓

From the Info Text Programming *MENU* use the down arrow **PAR|↓** to go to the Zone Text Settings menu.

7.3.2 The *ZONE TEXT* is the text associated to each control unit input and which helps the user to manage and understand the input lines.
- Press **ENT** to enter the settings.

ENT

7.3.2.1 Select the *NUMBER OF THE ZONE* you wish to programme.
- Enter the number of the zone you wish to programme.
- With the down arrow **PAR|↓** go to the Chosen Zone text programming menu.

PAR|↓

7.3.2.2 In *ZONE 1 NUMBER* you can programme the text for Entry 1.
- Following the table in point 7.3.1.1, enter the characters.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for zone 1, you can move on to the text for zone 2, etc.
- Having finished all the texts, press **ESC|←** to exit and return to the previous Zone Texts menu.

ESC|← *to go back*

PAR|↓

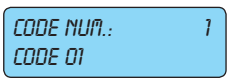
From the *ZONE TEXT PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the ID Text Settings menu.

7.3.3 In *ID TEXT* you enter all the text associated to each User ID.
- Press **ENT** to enter the settings.

ENT

7.3.3.1 Select the *CODE NUMBER* you wish to assign to a text.
- Enter the number of the Code you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

PAR|↓



7.3.3.2 In *CODE 1 NUMBER* you can programme the text for code 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for code 1, you can move on to the text for code 2, etc.
- Having finished all the IDs, press **ESC|←** to exit and return to the previous ID Texts menu.

ESC|← *to go back*

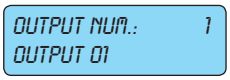
PAR|↓

From the *ID TEXTS PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the Output Texts Programming menu.

7.3.4 The *EXIT TEXTS* are texts associated to each Exit.
- Press **ENT** to enter the settings.

ENT

PAR|↓



7.3.4.1 Select the *EXIT NUMBER* you wish to assign to a text.
- Enter the number of the Exit you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

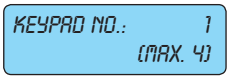
7.3.4.2 In *EXIT 1 NUMBER* you can programme the text for Exit 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for code 1, you can move on to the text for code 2, etc.
- Having finished all the IDs, press **ESC|←** to exit and return to the previous Output Texts menu.

ESC|← *to go back*

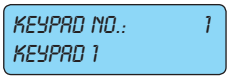
PAR|↓ From the Output Text Programming *MENU* use the down arrow **PAR|↓** to go to the Keypad Text Programming menu.

7.3.5 The *KEYPAD TEXT* is the text associated to each keypad.
- Press **ENT** to enter the settings.

ENT



PAR|↓



7.3.5.1 In *KEYPAD 1 NUMBER* you can programme the text for keypad 1.
- Enter the number of the module you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

7.3.5.2 In *KEYPAD NUMBER: 1* you can programme the text for keypad 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for keypad 1, you can move on to the text for keypad 2, etc.
- Having finished all the texts, press **ESC|←** to exit and return to the previous Texts menu.

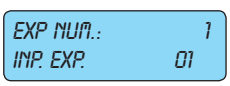
ESC|← *to go back*

PAR|↓ From the *KEYPAD TEXT* Programming menu use the down arrow **PAR|↓** to go to the Input Expansion Module Text Programming Menu.

7.3.6 The *INPUT EXPANSION TEXTS* are texts associated to each input module expansion.
- Press **ENT** to enter the settings.

ENT

PAR|↓



7.3.6.1 Select the *INPUT MODULE NUMBER* you wish to assign to a text.
- Enter the number of the module you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

7.3.6.2 In *INPUT EXPANSION MODULE NUMBER* you can programme the text for module no. 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for module 1, you can move on to the text for module 2, etc.
- When you have finished with all modules, press **ESC|←** to exit and return to the previous input module text menu.

ESC|← *to go back*

PAR|↓

From the Input Expansion Text *PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the READER Text Programming menu.

7.3.7 The *READER TEXT* is a text associated to each reader.
- Press **ENT** to enter the settings.

ENT

7.3.7.1 Select the *READER* you wish to assign a text to.
- Enter the number of the module you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

PAR|↓

7.3.7.2 In *READERS: 1* you can programme the text for module 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for module 1, you can move on to the text for module 2, etc.
- When you have finished with all modules, press **ESC|←** to exit and return to the previous READER Text menu.

ESC|← *to go back*

PAR|↓

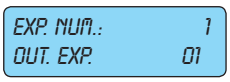
From the Reader Text *PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the Input expansion module 01710 text programming menu.

7.3.8 The *OUTPUT EXPANSION TEXTS* are texts associated to each expansion 01710.
- Press **ENT** to enter the settings.

ENT

7.3.8.1 Select the *OUTPUT MODULE NUMBER* you wish to assign to a text.
- Enter the number of the module you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

PAR|↓



7.3.8.2 In *OUTPUT MODULE NUMBER: 1* you can programme the text for module 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for module 1, you can move on to the text for module 2, etc.
- When you have finished with all modules, press **ESC|←** to exit and return to the previous READER Text menu.

ESC|← *to go back*

PAR|↓

From the *OUTPUT EXPANSION TEXT PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the Area Text Programming menu.

7.3.9 The *AREA TEXT* is text associated to each Area.
- Press **ENT** to enter the settings.

ENT

PAR|↓

ESC|← *to go back*

7.3.9.1 Select the *AREA NUMBER* you wish to assign to a text.
- Enter the number of the module you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

7.3.9.2 In *AREA NUMBER: 1* you can programme the text for Area 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for module 1, you can move on to the text for module 2, etc.
- When you have finished with all modules, press **ESC|←** to exit and return to the previous area text menu.

PAR|↓

From the *AREA TEXT PROGRAMMING MENU* use the down arrow **PAR|↓** to go to the Macro Text Programming menu.

ENT

7.3.10 The *MACRO TEXT* is text associated to each Area.
- Press **ENT** to enter the settings.

PAR|↓

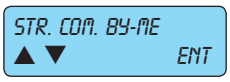
ESC|← *to go back*

7.3.10.1 Select the *MACRO NUMBER* you wish to assign to a text.
- Enter the number of the module you wish to programme.
- With the down arrow **PAR|↓** go to the edit default text menu.

7.3.10.2 In *MACRO 1* you can programme the text for macro 1.
- Following the table in point 7.3.1.1, enter the characters.
- Press **ON** to change from lower to upper case and vice versa.
- If you have to enter two letters the same one after the other, press **ON** twice.
- Once you have finished entering the text for module 1, you can move on to the text for module 2, etc.
- When you have finished with all modules, press **ESC|←** to exit and return to the previous Macro Text menu.

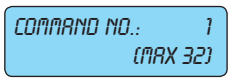
PAR|↓

From the Programming Menu *STRING MACRO* with the down arrow **PAR|↓** to go to the Programming menu for the By-me command strings.



ENT

7.3.11 The *COM BY-ME* strings are words associated to each command sent to the By-me system.
- Press **ENT** to enter the programming.

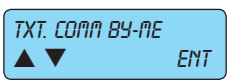


PAR|↓

ESC|← *to go back*

7.3.11.1 Select the number of the command to assign a string to.
- Write the number of the command you wish to programme.
- Use the down arrow **PAR|↓** to go to the variation of the default string.

7.3.11.2 In *COMMAND 1* it is possible to programme the string for command 1.
- Following the table in point 7.3.1.1, enter the digits.
- With the **ON|→** button change from lower to upper case and vice versa.
- When having to enter two identical letters one after the other, press the **ON|→** button twice.
- After writing the string of module 1, press **ENT** to confirm; after this move on to the string of module 2, etc.
- Having finished all the commands, press **ESC|←** to exit and return to the previous *STR MENU. COM. BY-ME.*



ESC|← *to go back*

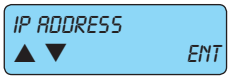
As there are no more parameters to be programmed, press **ESC|←** to return to the Text Settings menu level

PAR|↓

From the *TEXT* programming menu use the down arrow **PAR|↓** to go to the network card parameter programming menu.

7.4 In *TCP - IP* you programme all the parameters for the X-LAN network card.
• From the *TCP - IP* menu press **ENT** to enter the settings.

ENT



7.4.1 In *IP ADDRESS* you programme the address of the X-LAN network card.
• From the *IP ADDRESS* menu press **ENT** to enter the settings.

ENT

7.4.1.1 In *BYTE 0* you programme the first digit of the address.
• Enter the digits of the first byte directly (e.g. **10**).

PAR|↓

7.4.1.2 In *BYTE 1* you programme the second digit of the address.
• Enter the digits of the second byte directly (e.g. 10.**10**).

PAR|↓

7.4.1.3 In *BYTE 2* you programme the third digit of the address.
• Enter the digits of the third byte directly (e.g. 10.10.**10**).

PAR|↓

7.4.1.4 In *BYTE 3* you programme the fourth digit of the address.
• Enter the digits of the fourth byte directly (e.g. 10.10.10.**10**).

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the TCP address programming menu level.

PAR|↓

From the *IP ADDRESS* menu use the down arrow **PAR|↓** to go to the local sub-network masking programming menu.

7.4.2 In *NETMASK* you programme the local sub-network mask address.
• From the *NETMASK* menu press **ENT** to enter the settings.

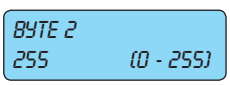
ENT

7.4.2.1 In *BYTE 0* you programme the first digit of the address.
• Enter the digits of the first byte directly (e.g. **255**).

PAR|↓

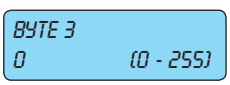
7.4.2.2 In *BYTE 1* you programme the second digit of the address.
• Enter the digits of the second byte directly (e.g. 255.**255**).

PAR|↓



7.4.2.3 In *BYTE 2* you programme the third digit of the address.
• Enter the digits of the third byte directly (e.g. 255,255.**255**).

PAR|↓



7.4.2.4 In *BYTE 3* you programme the fourth digit of the address.
• Enter the digits of the fourth byte directly (e.g. 255.255.255.**0**).

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Netmask Address programming menu level.

PAR|↓ From *NETMASK* use the down arrow **PAR|↓** to go to the Gateway IP address programming menu.

7.4.3 In *GATEWAY* you programme the Gateway IP address.
• From the *GATEWAY* menu press **ENT** to enter the settings.

ENT

7.4.3.1 In *BYTE 0* you programme the first digit of the address.
• Enter the digits of the first byte directly (e.g. **10**).

PAR|↓

7.4.3.2 In *BYTE 1* you programme the second digit of the address.
• Enter the digits of the second byte directly (e.g. 10.**10**).

PAR|↓

7.4.3.3 In *BYTE 2* you programme the third digit of the address.
• Enter the digits of the third byte directly (e.g. 10.10.**10**).

PAR|↓

7.4.3.4 In *BYTE 3* you programme the fourth digit of the address.
• Enter the digits of the fourth byte directly (e.g. 10.10.10.**10**).

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Gateway Address Programming menu level.

PAR|↓ From the *GATEWAY* menu use the down arrow **PAR|↓** to go to the TCP port address programming menu.

7.4.4 In *TCP PORT* you programme the network card listening port address.
• From the *TCP PORT* menu press **ENT** to enter the settings.

ENT

7.4.4.1 In *BY ALARM PORT* you programme the network card listening port address for the By-alarm system.
• Press Clear (**CLR**) and enter the door digits directly.

PAR|↓

7.4.4.2 In *TCP PORT* you programme the network card listening port address for the By-me system.
• Press Clear (**CLR**) and enter the door digits directly (e.g. **8030**).

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the TCP Port Address Programming menu level.

PAR|↓ From the *TCP PORT MENU* use the down arrow **PAR|↓** to view the Access Code programming menu.

7.4.5 In *SYSTEM PIN* you set the six-digit numerical data exchange recognition code.
• From the *SYSTEM PIN* menu press **ENT** to enter the settings.

ENT

7.4.5.1 Write the *SYSTEM PIN* which must be the same as the one set in the By-alarm Manager software.
• Enter the six-digit code directly.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the SYSTEM PIN programming menu level.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the TCP - IP Programming menu level.

PAR|↓

From the *TCP - IP* menu use the down arrow **PAR|↓** to go to the Macro Programming menu.

7.5 In *MACRO* you programme all the functions of the control unit macro-instructions.

• From the *MACRO* menu press **ENT** to enter the settings.

ENT

7.5.1 Select the *NUMBER OF THE MACRO* to be programmed.

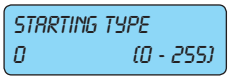
• Enter the number of the macro to be programmed.

PAR|↓

7.5.2 In *STARTING MODE* you programme the event that will trigger the macro.

• Enter the number of the **mode**, selecting from those shown in the first column of the following table.

PAR|↓



7.5.3 In *STARTING TYPE* you programme the second parameter of the event triggering the macro.

• Enter the number of the **type**, selecting from those shown in the second column of the following table.

PAR|↓

7.5.4 In *STOP MODE* you programme the event that will stop the macro.

• Enter the number of the**mode**, selecting from those shown in the first column of the following table.

PAR|↓

7.5.5 In *STOP TYPE* you programme the second parameter of the event stopping the macro.

• Enter the number of the type, selecting from those shown in the second column of the following table.

Progr.	Type	Function description
	0	Null event
1	1 - 24	Zone Alarm [1 - 24]
2	1 - 24	Reset from Zone Alarm [1 - 24]
3	1 - 24	Zone Exclusion [1 - 24]
4	1 - 24	Zone Re-inclusion [1 - 24]
5	1 - 24	Anti-Tampering Zone [1 - 24]
6	1 - 50	Enter User Code [1 - 50]
6	129 - 178	Enter Emergency User Code [1 - 50]
7	**xx**	**See following table**
8	1 - 24	Zone Multiple Alarm [1 - 24]
9	1 - 24	Reset from Zone Multiple Alarm [1 - 24]
10	1 - 24	Zone Multiple Anti-tampering Alarm [1 - 24]
11	1 - 24	Zone Multiple Anti-tampering Reset [1 - 24]
12	1 - 4	Keypad Anti-tampering Alarm [1 - 4]
13	1 - 4	Keypad Anti-tampering Reset [1 - 4]
14	1 - 4	Anti-tampering Input Alarm on zone expansion 01709 [1 - 4]
15	1 - 4	Anti-tampering Input Alarm Reset on zone expansion 01709 [1 - 4]
16 - 20	= = =	Values not used
21	1 - 24	Automatic Zone Exclusion [1 - 24]
22	1 - 24	Re-inclusion from Automatic Zone Exclusion [1 - 24]
23	0	No Control unit Network
24	0	Restore Control unit Network
25	0	Control unit Battery Low
26	0	Restore Control unit Battery

Progr.	Type	Function description
27	0	No Control unit Battery
28	= = =	Value not used
29	1 - 8	Area ON on [1 - 8]
30	1 - 8	Turned off from Area ON on [1 - 8]
31	1 - 8	Area INT on [1 - 8]
32	1 - 8	Turned off from Area INT on [1 - 8]
33	1 - 8	Area PAR on [1 - 8]
34	1 - 8	Turned off from Area PAR on [1 - 8]
35	1 - 24	Zone Masking Alarm [1 - 24]
36	0	Installer ID Entry [0]
37	1 - 4	Incorrect code on Keypad [1 - 4]
38	1 - 8	Start Area Suspension [1 - 8]
39	1 - 8	End Area Suspension [1 - 8]
40	= = =	Value not used
41	1 - 8	Automatic Area on [1 - 8]
42	1 - 8	Automatic Area off [1 - 8]
43	1 - 24	Activate Output [1 - 24]
44	1 - 24	Deactivate Output [1 - 24]
45	= = =	Values not used
46	= = =	Values not used
47 - 55	= = =	Values not used
56	1 - 4	Keypad lock [1 - 4]
57	1 - 4	Keypad release [1 - 4]
58	1 - 4	Macro Activation [1 - 4]
59	1 - 20	Lock Macro [1 - 20]
60	1 - 20	Reset Macro [1 - 20]
61	= = =	Values not used
62	1 - 8	Programmable Time Switch Deactivated for Area [1 - 8]
63	1 - 8	Programmable Time Switch Activated for Area [1 - 8]
64	1 - 6	Anti-tampering Input Alarm on output expansion 01710 [1 - 6]
65	1 - 6	Anti-tampering Input Alarm Reset on output expansion 01710 [1 - 6]
66 - 67	= = =	Values not used
68	1 - 8	Non-routine Area on [1 - 8]
69	= = =	Values not used
70	1 - 4	Communication Anti-Tampering Alarm 01709 [1 - 4]
71	1 - 6	Communication Anti-Tampering Alarm 01710 [1 - 6]
72	1 - 4	Keypad Communication Anti-Tampering Alarm [1 - 4]
73	1 - 50	Correct TAG Reading [1 - 50]
74	1 - 4	Connector Tag not valid [1 - 4]
75	1 - 50	User Code enabled [1 - 50]
76	1 - 50	User Code disabled [1 - 50]
77	1 - 24	Reset Zone [1 - 24]
78	= = =	Value not used
79		Gate Locked
80		Gate Unlocked
81-107	= = =	Values not used
108	1 - 4	Connector Anti-Tampering Alarm [1 - 4]
109	1 - 4	Connector Communication Anti-Tampering Alarm [1 - 4]
110	1 - 4	Reset Connector Tamper [1 - 4]
111	1 - 32	By-me command [1 – 32]
112	1 - 50	User code from By-me [1 - 50]
113	1 - 50	Emergency code from By-me [1 - 50]

• Only for **MODE 7** these values can be entered in the **TYPE**:

Progr.	Type 01700	Function description
7	0 - 53	Values not used
7	54	System Reset (Watch Dog)
7	55	Change Codes
7	56	Reset Codes
7	57	Programming reset to Default levels
7	58	Installer Code 1
7	59	Installer Code 2
7	60	No Telephone Line
7	61	Restore Telephone Line
7	62	Send Events Log
7	63	Telephone Call Interruption
7	64	Change system Date
7	65	Robbery Message
7	66	Fire Message
7	67	Doctor Message
7	68	Remote Programming OK
7	69	Remote Programming failed
7	70	Remote Access Denied
7	71	Control unit anti-tampering
7	72	Reset Control Unit Anti-Tampering
7	73	Self-test
7	74	Start User or Installer remote function
7	75	End User or Installer remote function
7	76	End PC Local Connection
7	77	Start PC Local Connection
7	78	Start Code Shut-Down Slot
7	79	End Code Shut-Down Slot
7	80	Start Zone Test Period
7	81	End Zone Test Period
7	82	Alarm Relay 1 Activated (dual change-over)
7	83	Alarm Relay 1 Deactivated (dual change-over)
7	84	No GSM signal on 01706
7	85	Restore GSM Signal on 01706
7	86	Relay 2 Activated (single change-over)
7	87	Relay 2 Deactivated (single change-over)
7	88	Values not used
7	89	Values not used
7	90	Start Pre-alarm
7	91	Reset Pre-alarm
7	92	SIM Not Charged
7	93	SIM Recharged
7	94	SIM Expiring
7	113	Reset network card
7	118	GSM Jamming Alarm
7	119	Reset Jamming GSM Alarm
7	122	Self-learning

PAR| ↓

SCHEDULER BLOCK
NO

PAR| ↓

7.5.6 A **YES** in *STOPPED BY SCHEDULER* the macro can be stopped by the Scheduler.
• Press **CLR** to change the settings.

SELF-RESTART
NO

PAR|↓

7.5.7 A **YES** in *AUTORESTART* allows the macro to continue to run automatically.
• Press **CLR** to change the settings.

DELAY IN MINUTES

PAR|↓

7.5.8 In *DELAY IN MINUTES* you set the time base of any delay.
• Press CLR to change the settings.

MEMO ARMING
NO

PAR|↓

7.5.9 With **YES** in *MEMO ACTIVATION* when activated the macro is recorded in the control unit events memory.
• Press **CLR** to change the settings.

CONDITIONED
NO

PAR|↓

7.5.10 A **YES** in *CONDITIONED* means that the "stop macro" event is not considered an effective macro stop, but a starting condition for the macro itself.
• Press **CLR** to change the settings.

USER ID
NO

PAR|↓

7.5.11 A **YES** in *USER ID* allows the User to activate the macro using his own code.
• Press CLR to change the settings.

MACRO OPERATIONS
▲ ▼ ENT

ENT

7.5.12 In *MACRO OPERATIONS* you programme the operations the macro has to run.
• Press **ENT** to enter the settings.

OPER. COMMAND 1
0 (MAX. 20)

PAR|↓

7.5.12.1 In *OPERATIONS 1 COMMAND* you enter the first of the 16 commands to be run by the macro.
Enter the number of the required command, consulting the table below.

OPER. OPTIONS 1
0 (0-255)

7.5.12.2 In *OPERATIONS 1 OPTIONS* enter the parameter completing the command of the operation just programmed.
• Enter the number of the required option, consulting the table below.

Progr.	Options	Function description
0	0	No function
1	1 - 8	Area ON mode on [1 - 8]
2	1 - 8	Area INTERNAL mode on [1 - 8]
3	1 - 8	Area PARTIALISED mode on [1 - 8]
4	1 - 8	Area off [1 - 8]
5	1 - 24	Exclude zone [1 - 24]
6	1 - 24	Re-include zone [1 - 24]
7	1 - 24	Activate output [1 - 24]
8	1 - 24	Deactivate output [1 - 24]
9	1 - 20	Start Macro [1 - 20]
10	1 - 20	Stop Macro [1 - 20]
11	1 - 20	Reset Macro [1 - 20]
12	1 - 20	Enable Macro [1 - 20]
13	1 - 20	Disable Macro [1 - 20]
14	1 - 50	Lock User Codes [1 - 50]
15	1 - 50	Release User Codes [1 - 50]
16	1 - 4	Keypad lock [1 - 4]
17	1 - 4	Keypad Release [1 - 4]
18	1-32	By-me command [1-32]
19	0 - 255	Entry of a Delay in minutes or seconds

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Macro Operations menu level.

MACRO OPERATIONS
▲ ▼ ENT

ESC|← *to go back*

Having finished programming all the Macros, press **ESC|←** to exit the Macro programming and return to the main Macro menu.

PAR|↓ From the *MACRO* menu use the down arrow **PAR|↓** to go to the Events Memory Viewing menu.

7.6 In view memory you can check all the events occurring on the control unit, showing the date and time.
• Press **ENT** to enter the viewing mode.

ENT

Events Memory: • the control unit has a memory used to record all the fault, arming and disarming events with date and time, the codes entered and alarm and zone reset states; there are 500 recorded events which are automatically updated, deleting the oldest ones.

PAR|↓

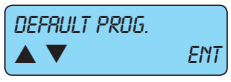
7.7 In the *SOFTWARE VERSION* menu you can view the control unit software version.
• Press **ENT** to enter the settings.

ENT

7.7.1 In the *SOFTWARE VERSION* menu you can check the software version installed in the control unit and the relative release.

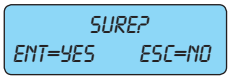
ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Software Version Settings Menu.

PAR|↓ From the *SOFTWARE VERSION* menu use the down arrow **PAR|↓** to go to the Control unit Default Programming menu.



7.8 In the *DEFAULT PROGRAMMING MENU* you can reset the control unit programming to the default values.
• Press **ENT** to enter the settings.

ENT



7.8.1 Answer the question *ARE YOU SURE?* .
• Press **ENT** to confirm the reset to default values.
• Press **ESC|←** to cancel the function.
a) having pressed **ENT**, wait for the end of the reset. You will automatically return to the default programming menu.
b) having pressed **ESC|←**, you return to the default programming menu.

ESC|← *to go back*

PAR|↓ From the *DEFAULT PROGRAMMING 1* menu use the down arrow **PAR|↓** to go to the Control unit Default Programming menu.

7.9 In *ACCESS CONTROL* you programme the advanced functions of the READERS.
• Press **ENT** to enter the settings.

ENT

7.10 In *ACTIVE LEDS* you programme the reader on which the LEDs will display the control unit states.
• Press **ENT** to enter the settings.

ENT

7.10.1 Select the readers *READERS 1 - 4* in which the LEDs are active.
• Enter the number **1-2-3-4** of the reader in which the LEDs must always be active; the indicator will come on to confirm correct programming.
To deselect the reader repeat the same operation.

Fast mode: button 9 selects all and button 0 deselects all.
- The reader is identified with the address given (see indications given in the reader installation manual).
• The readers in which the LEDs are not active will always be off; place the key near the reader to activate them and signal the control unit state.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Active LED menu level.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Access Control menu level.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Controls Menu level.

PAR|↓ From the *CONTROLS* menu use the down arrow **PAR|↓** to view the Scheduler menu.

8. Scheduler

ENT

8. In *SCHEDULER* you set all the Scheduler parameters.
- Press **ENT** to enter the settings.

ENT

8.1 In *TIME BANDS* you programme the functions that the control unit must run automatically for every day of the week.
- Press **ENT** to enter the settings.

ENT

8.1.1 In *MONDAY* you programme the operations the control unit will run on that day of the week.
- Press **ENT** to enter the settings.
- With the down arrow **PAR|↓** go to other days of the week.

PAR|↓

8.1.1.1 Select the *OPERATION* to programme.
- Enter the number of the operation you wish to programme.
- With the down arrow **PAR|↓** go to Programming all parameters of the chosen operation.

PAR|↓

8.1.1.2 Programming the *TIME* the operation will be run at.
- Enter the time directly.

PAR|↓

8.1.1.3 Programming the *MINUTE* the operation will be run at.
- Enter the minutes directly.

PAR|↓

8.1.1.4 Programming the *TYPE* of operation run.
- Enter the number of the **type** directly, consulting the following table.

8.1.1.5 In *AUXILIARIES* enter the parameter completing the command of the operation just programmed.
- Enter the number of the **auxiliary** option, consulting the following table.

Progr.	Options	Function description
0	0	No function
1	1 - 8	Area ON mode on [1 - 8]
2	1 - 8	Area INTERNAL mode on [1 - 8]
3	1 - 8	Area PARTIALISED mode on [1 - 8]
4	1 - 8	Area off [1 - 8]
5	1 - 24	Exclude zone [1 - 24]
6	1 - 24	Re-include zone [1 - 24]
7	1 - 24	Activate output [1 - 24]
8	1 - 24	Deactivate output [1 - 24]
9	1 - 20	Start Macro [1 - 20]
10	1 - 20	Stop Macro [1 - 20]
11	1 - 20	Reset Macro [1 - 20]
12	1 - 20	Enable Macro [1 - 20]
13	1 - 20	Disable Macro [1 - 20]
14	1 - 50	Lock User Codes [1 - 50]
15	1 - 50	Release User Codes [1 - 50]
16	1 - 4	Keypad lock [1 - 4]
17	1 - 4	Keypad Release [1 - 4]
18	1-32	By-me command [1-32]
19	0 - 255	Entry of a Delay in minutes or seconds

PAR|↓

OPERATION 1 (MAX. 32)

As there is no more programming to be done, return to OPERATION 1 .
• Starting from point 8.1.1.1 repeat the programming for all the required operations.

ESC|← *to go back*

Having finished programming all the required operations, press **ESC|←** to exit the programming and return to Monday.

MONDAY ▲ ▼ ENT

PAR|↓

From the MONDAY menu use the down arrow **PAR|↓** to go to the TUESDAY menu; in this way the functions of all the days of the week can be programmed.

TUESDAY ▲ ▼ ENT

ESC|← *to go back*

Having programmed all the operations for every day of the week, press **ESC|←** to return to the Time Bands menu.

TIME BANDS ▲ ▼ ENT

PAR|↓

From the TIME BANDS menu use the down arrow **PAR|↓** to go to the Holidays Programming menu.

HOLIDAYS ▲ ▼ ENT

8.2 In HOLIDAYS you programme the holiday periods in which the arming and disarming programmes will not be run by the control unit.
• Press **ENT** to enter the settings.

ENT

HOLIDAYS 1 (MAX. 16)

8.2.1 Select the number of HOLIDAY 1 to be programmed.
• Enter the number of the holiday from the 16 possible options.

PAR|↓

DAY START 0 (MAX. 31)

8.2.2 Programme the START DAY of the holiday period.
• Enter the day of the start date.

PAR|↓

MONTH START 0 (MAX. 12)

8.2.3 Programme the START MONTH of the holiday period.
• Enter the month of the start date.

PAR|↓

DAY END 0 (MAX. 31)

8.2.4 Programme the END DAY of the holiday period.
• Enter the day of the end date.

PAR|↓

MONTH END 0 (MAX. 12)

8.2.5 Programme the END MONTH of the holiday period.
• Enter the month of the end date.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Holiday Settings menu level.

HOLIDAYS ▲ ▼ ENT

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Scheduler Settings menu

SCHEDULER ▲ ▼ ENT

PAR|↓

From the control unit SCHEDULER menu use the down arrow **PAR|↓** to view the Phone communicator programming menu.

9. Telephone

ENT

9. In *TELEPHONE* you programme all the parameters for the Phone communicator.
• Press **ENT** to enter the settings.

ENT

9.1 In *PHONE NUMBERS* you programme the numbers and properties of the phone communications.
• Press **ENT** to enter the settings.

9.1.1 Select the *PHONE NUMBER* you wish to programme.
• Enter the phone number you wish to programme.
• With the down arrow **PAR|↓** go to the Programming all parameters of the chosen telephone number.

PAR|↓

Important: Panic, theft, tampering events must be associated to at least the first phone number.
This guarantees that in the event of more than one event at the same time panic, theft and tampering are transmitted as a priority.

9.1.2 In *PROTOCOL* you programme the communication methods of the phone communicator for the chosen number.
• Enter the number of the required mode by consulting the table below.

Prog.	Function type	Description
0	SIA	Digital format for digital receivers in SIA protocol
2	VOCAL	Format for sending vocal messages that are preset and pre-recorded in the control unit
3	CONTACT-ID	Digital format for digital receivers in CONTACT ID protocol
4	SMS	Format for sending SMS messages that are preset and pre-recorded in the control unit

ENT

9.1.3 In *NUMBER DIGITS* you programme the digits comprising the code.
• From the *NUMBER FIGURES* menu press **ENT** to enter the settings.

9.1.3.1 Programme the phone number that will be called.
• Press **CLR** to delete the current number.
• Enter the**new number**.
• Press **ENT** to confirm the new number.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Number Digits Programming menu level.

PAR|↓

From the *NUMBER DIGITS* programming menu use the down arrow **PAR|↓** to go to the Communication Protocol Programming menu.

9.1.4 The *CUSTOMER CODE* is the code sent in SIA and CONTACT ID digital communications identifying the caller. In the protocol VOCAL corresponds to the voice message index for the area of interest.
• Press **ENT** button to enter the programming.

- It is indispensable for reception and control centres to recognise the user calling; to know which code to enter, the same centre must always be contacted to provide the necessary information.
- For the SIA protocol this is composed of 6 digits, starting from the left.
- For the CONTACT ID protocol this is composed of 4 digits, starting from the left.
- For the VOCAL protocol the last digit identifies the initial message to use among those available and recorded for the areas.

ENT

Note: The customer code 000000 by default in any case uses message no.1.

9.1.4.1 Programme the value of the chosen code.
• Press **CLR** to delete the current code.
• Write the **new code**.
• Press **ENT** to confirm the new code

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Customer Code Programming menu level.

PAR|↓

From *CUSTOMER CODE* use the down arrow **PAR|↓** to go to the Call Attempts with previously selected phone number association menu.

9.1.5 The *ATTEMPTS* refer to the maximum number of calls the control unit will make to the chosen phone number if there is no reply.
• Enter the required number.

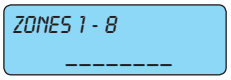
PAR|↓

9.1.6 A **YES** on *STOP CALLS* enables the interruption of the phone calls when the user called presses **button 4** on the phone allowing the user to directly activate remote connection by pressing **button 3** on the phone.
• Press **CLR** to change the settings.

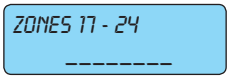
PAR|↓

9.1.7 In *ZONE ALARM* you programme the zones activating the phone calls.
• From the *ZONE ALARM* menu press **ENT** to enter the settings.

ENT



PAR|↓



9.1.7.1 With *ZONE 1 - 8* you programme which zone will cause the activation of the phone call in the event of an alarm.
• For each zone group, write the number 1-2-3-4-5-6-7-8 for the zones which must activate the phone calls.

Fast mode: button 0 selects all and button 9 deselects all.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back*

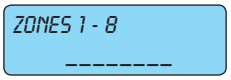
As there are no more parameters to be programmed, press **ESC|←** to return to the Zone Alarms menu.

PAR|↓

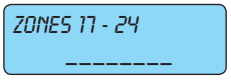
From *ZONE ALARM* use the down arrow **PAR|↓** to go to the Zone alarm reset association menu with the previously chosen telephone number.

9.1.8 In *RESTORE ZONE* you programme the zones activating the phone calls.
• From the *RESTORE ZONE* menu press **ENT** to enter the settings.

ENT



PAR|↓



9.1.8.1 With *ZONE 1 - 8* you programme which zone activates the phone call in the event of an alarm reset.
• For each zone group, write the number 1-2-3-4-5-6-7-8 for the zones which must activate the phone calls.

Fast mode: button 0 selects all and button 9 deselects all.
• The symbol will come on to confirm the association.
• To remove the association write the required number.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Reset from Zone Alarm menu level.

ESC|←

From *RESET ZONE* use the down arrow **PAR|↓** to go to the Telephone 1 programming menu.

9.1.9 By selecting number 2, you select Phone Number 2 and scrolling through the programming seen above for Phone Number 1 (starting from point 9.1.1) you can set all the parameters.
- When you have finished programming all the required numbers, press to exit the single code programming and return to the previous Phone Numbers menu.

ESC|← *to go back*

PAR|↓

From the *TELEPHONE NUMBERS* menu use the down arrow **PAR|↓** to go to the Telephone Parameters Programming menu.

9.2 In *TELEPHONE PARAMETERS* you programme all the parameters for the telephone communications.
Press **ENT** to enter the settings.

ENT

9.2.1 A **YES** on *SEND ON REPLY* makes the control unit send programmed vocal messages after a vocal reply to a call (e.g. *Hello?*).
A **NO** makes the message start in any case, without waiting for a reply.
- Press **CLR** to change the settings.

PAR|↓

9.2.2 *ATTEMPTS PAUSE* refers to the time in seconds between the second and third attempt if the set phone calls (see point 9.1.7) obtain no reply.
- Enter the seconds of the interval.

PAR|↓

9.2.3 *VOCAL REPETITION* is the number of times the whole vocal message must be repeated for each voice call.
- Enter the required number.

PAR|↓

9.2.4 In *PSTN RINGS* you programme the number of phone rings read by the control unit on the cabled line; after this number the User Remote Connection will be activated.
- Enter the required number.

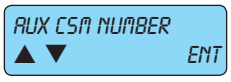
PAR|↓

9.2.5 In *GSM RINGS* you programme the number of phone rings read by the control unit on the GSM line; after this number the User Remote Connection will be activated.
- Enter the required number.

PAR|↓

9.2.6 A **YES** on *SKIP VOICE MAIL* makes the control unit activate the function for User Remote Connection calls.
- By programming **NO**, the control unit will only check the number of phone rings seen in point 9.2.7.

PAR|↓

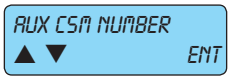


9.2.7 In *AUXILIARY CSM NUMBER* programme the number of the message service centre when using a telephone operator other than that indicated in the list in point 9.1.2.
- From the *AUX CSM NUMBER* menu press the **ENT** button to enter the programming.

ENT

Programme the message service centre number.
- Press **CLR** to delete the current number.
- Write the new number.
- Press **ENT** to confirm the new number.

ESC|← *to go back*



From the *AUXILIARY CSM NUMBER* use the down arrow **PAR|↓** to go to the SIM programming menu.

PAR|↓

RECHARGEABLE SIM
NO

9.2.8 A **YES** on *RECHARGEABLE SIM* sets the inserted SIM as rechargeable, so it will be possible to know the residual credit and programme the annual expiry date.
ATTENTION: Would customers please note that Vimar cannot guarantee the operation of the residual credit verification service on SIM cards, as this function depends on the operating choices of the individual mobile phone operator.

• Press **CLR** to change the settings.

PAR|↓

NUMBER RECOGNITION
NO

9.2.9 A **YES** on *NUMBER RECOGNITION* makes the control unit able to recognise the calling number from those set and directly activate the user remote connection by pressing button 3 on the phone, and if programmed, the active outputs.
• Press **CLR** to change the settings.

PAR|↓

RING BACK
YES

9.2.10 *RING BACK* is an unused function.
• Press **CLR** to change the settings.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Telephone Parameter Settings menu level.

TELEPH. PARAMETERS
▲ ▼ ENT

PAR|↓

From the *TELEPHONE PARAMETERS* menu use the down arrow **PAR|↓** to go to the Associated Events Programming menu.

ASSOCIATED EVENTS
▲ ▼ ENT

9.3 In *ASSOCIATED EVENTS* you programme the events that must be communicated for every phone number.
Press **ENT** to enter the settings.

ENT

PHONES 1 - 8
_ _ _ _ _ _ _ _

9.3.1 For all the following events to be associated to the telephone numbers, comply with the following instructions:
• for each group of phone numbers, enter the number 1-2-3-4-5-6-7-8 for the digits to be associated.

Fast mode: button 0 selects all and button 9 deselects all.

• The symbol will come on to confirm the association.
• To remove the association write the required number.
• Press **ESC|←** to exit the programming.

PAR|↓

PHONES 9 - 16
_ _ _ _ _ _ _ _

ESC|← *to go back*

PAR|↓

TAMPER
▲ ▼ ENT

9.3.2 In *TAMPER* you program which phone numbers will be sent the communication of the tamper-proof device, siren fault, anti-theft device fault and sensor fault.

PAR|↓

MASKING
▲ ▼ ENT

9.3.3 In *MASKING* you programme the telephone number the masking communication is sent to.

PAR|↓

ZONE BYPASSED
▲ ▼ ENT

9.3.4 In *BYPASS ZONE* you programme which phone numbers will be sent notification of the zone bypassed.

PAR|↓

ON - OFF AREA 1
▲ ▼ ENT

9.3.5 In *ON - OFF AREA 1* you programme the phone numbers which will be sent the arming and disarming communication for Area 1.

PAR|↓

ON - OFF AREA 8
▲ ▼ ENT

9.3.6 In *ON - OFF AREA 8* you programme the phone numbers which will be sent the arming and disarming communication for Area 8.

PAR|↓

NO MAINS ▲ ▼ ENT

PAR|↓

9.3.7 In *NO MAINS* you programme the phone numbers which will be sent the no mains voltage communication.

NO BATTERY ▲ ▼ ENT

PAR|↓

9.3.8 In *NO BATTERY* you programme the phone numbers which will be sent the no battery communication.

LOW BATTERY ▲ ▼ ENT

PAR|↓

9.3.9 In *LOW BATTERY* you programme the phone numbers which will be sent the low battery communication.

BATT.LOW RF ▲ ▼ ENT

PAR|↓

9.3.10 In *BATT.LOW RF* programme the telephone number to send the low battery level message relating to any one of the radio frequency detectors.

SELF-TEST ▲ ▼ ENT

PAR|↓

9.3.11 In *SURVIVAL* you programme the phone numbers to be sent the notification on the selftest completed on the control unit power supplies as programmed in point 7.2.2.

WATCHDOG ▲ ▼ ENT

PAR|↓

9.3.12 *WATCHDOG* refers to a special control function on the control unit microprocessor; in the event of serious electrical disturbances, this check restarts the system without losing any date in the control unit. Here you can programme the phone numbers to be sent a notification of the restart.

USER ID ▲ ▼ ENT

PAR|↓

9.3.13 You can programme the phone numbers to be sent the notification that a *USER ID* has been entered in the keypad.

EMERGENCY CODE ▲ ▼ ENT

PAR|↓

9.3.14 You can programme the phone numbers to be sent the notification that a *EMERGENCY USER ID* has been entered in the keypad.

- The Emergency ID is the code originating from the User ID to which a unit is added.
- It is used to manage all the control unit functions, such as User ID it originates from, and in addition can activate silent calls and, where programmed, also the secondary relay (see point 5.2.8).

MEDICAL DISP. ▲ ▼ ENT

PAR|↓

9.3.15 In *MEDICAL DISPATCH* you programme which phone number to send a silent panic call to by pressing **INT** and **4** on the keypad together.

PANIC DISP. ▲ ▼ ENT

PAR|↓

9.3.16 In *PANIC DISPATCH* you programme which phone number to send a silent medical call to by pressing **INT** and **6** on the keypad together.

AVAIL. FIRE ▲ ▼ ENT

PAR|↓

9.3.17 In *FIRE DISPATCH* you programme which phone number to send a silent fire call to by pressing **INT** and **4** on the keypad together.

SIM NOT CHARGED ▲ ▼ ENT

PAR|↓

9.3.18 In *SIM NOT CHARGED* you programme which phone number to send a communication to when the credit reaches 5 EUR.
ATTENTION: Would customers please note that Vimar cannot guarantee the operation of the residual credit verification service on SIM cards, as this function depends on the operating choices of the individual mobile phone operator.

SIM EXPIRING ▲ ▼ ENT

9.3.19 In *SIM EXPIRY* you programme the phone number to send a communication to when the programmed expiry date is reached.

- The SIM duration is one year from the last top up and is a parameter which must be programmed by the user whenever the sim is charged.
- You are advised to enter a date at least one month prior to the effective expiry date.
- An expired SIM cannot be renewed or charged, and the whole amount of the residual credit is lost.

ESC|← *to go back*

As there are no more parameters to be programmed, press **ESC|←** to return to the Associated Events Settings menu level.

ASSOCIATED EVENTS ▲ ▼ ENT

PAR|↓

From the *ASSOCIATED EVENTS* menu use the down arrow **PAR|↓** to view the Vocal Message Programming menu.

VOCAL MESSAGES
▲ ▼ ENT

ENT

9.4 In the *VOCAL MESSAGES* menu you programme the communication method for each control unit input.
• Press **ENT** to enter the settings.

NUM. ZONE: 1
(MAX. 24)

PAR|↓

9.4.1 Select the *NUMBER OF THE ZONE* you wish to programme.
• Enter the number of the zone number you wish to programme.
• With the down arrow **PAR|↓** go to the Programming of all parameters of the chosen zone.

VOCAL MESSAGES
1 (MAX. 12)

9.4.2 In *VOCAL MESSAGES* you programme the type of communication for the chosen zone.
Examples:
• by programming **type 1** (theft) for **zone 1**, an alarm in this zone will send a communication of the following type for digital protocols, voice communications and SMS messages: THEFT ALARM ZONE 1.
• programming type 6 (panic), the communication will be: ZONE 1 PANIC ALARM

Enter the number of the required mode by consulting the table below:

Prog.	Function type	Description
1	Theft	**Theft** alarm in the associated zone
2	Tamper	**Tamper (anti-tamper)** alarm in the associated zone
3	Fire	**Fire** alarm in the associated zone
4	Gas	**Gas** alarm in the associated zone
5	Technical	**Technical** alarm in the associated zone (generic technical)
6	Panic	**Panic** alarm in the associated zone
7	Doctor	**Medical** alarm in the associated zone
8	Emergency	**Emergency** alarm in the associated zone
9	Heat	**Heat** alarm in the associated zone
10	Cold	**Cold** alarm in the associated zone
11	Flooding	**Flooding** alarm in the associated zone
12	Sprinkler	Sprinkler **Alarm** for the associated zone (sprinkling in progress)

PAR|↓

CUSTOM WORD
0 (MAX. 24)

9.4.3 With *CUSTOMISED WORD* you can add a word to specify the alarm in the zone that caused it to the vocal message.

Examples: • by programming **type 1** (theft) for **zone 1** and associating **word 1** programmed with the entry, an alarm in this zone will send the following type of message for voice communications: THEFT ALARM ZONE 1 ENTRY.

PAR|↓

• Enter the number of the word to add.
• To record customised words see point 9.5.2.

NUM. ZONE: 1
(MAX. 24)

9.4.4 As there are no more parameters to be programmed for the selected zone, return to the *ZONE NUMBER* programming menu.

• Selecting number 2, you select Zone 2 and, scrolling through the programming seen above for Zone 1 (starting from point 9.4.1) you can programme all the parameters.
• When you have finished programming all the required numbers, press **ESC|←** to exit the individual zone programming and return to the previous Vocal Messages menu.

ESC|← *to go back*

VOCAL MESSAGES
▲ ▼ ENT

PAR|↓

From the *VOCAL MESSAGES* menu use the down arrow **PAR|↓** to go to the Recordings Programming menu.

RECORDINGS
▲ ▼ ENT

9.5 In *RECORDINGS* you record the user address, which is an integral part of the vocal communication and any customised words (see point 9.4.3). These messages, lasting 10 s, are recorded by speaking through a phone with buttons that is connected to the voice synthesis module 01713; the recording can be started/stopped either with the keypad 01705 or with the connected phone's buttons.
• Press **ENT** to enter the settings.

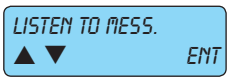
ENT

AREA ADDRESSES
▲ ▼ ENT

9.5.1 In *AREA ADDRESSES* you record the user addresses for each area; every message will precede all voice communications for this area. (e.g. Home of Rossi Carlo - Piazza Europa 32 - Padua).
• Press **ENT** to enter the settings.

ENT

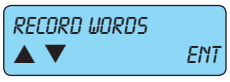
PAR|↓



PAR|↓

ESC|← *to go back*

PAR|↓ From the *AREA ADDRESSES* menu use the down arrow **PAR|↓** to go to the Recording Customised Words menu.



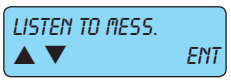
9.5.2 In *RECORD WORDS* you can record up to a maximum of 32 words, where each will be added to the vocal message to better specify the zone causing the alarm (see point 9.4.3). These messages, lasting 3 s, are recorded by speaking through a phone with buttons that is connected to the voice synthesis module 01713. The recording can be started/stopped only with the keypad 01705, therefore it should be momentarily taken near to the control unit to which you connect the phone; alternatively, use an additional keypad to be configured in the system which must then be removed after making the recording.

- Press **ENT** to enter the settings.

ENT

9.5.2.1 Select the *NUMBER OF THE MESSAGE* you wish to programme.
- Enter the number of the message corresponding to the word to be programmed.
- With the down arrow **PAR|↓** go to the Programming all parameters of the chosen telephone number.

PAR|↓

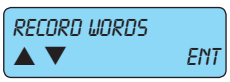


9.5.2.2 In *LISTEN TO MESSAGE* you can check the recorded message.
- Press **ENT** to change the settings.
- The 3 seconds of available recording scroll on the keypad display.

PAR|↓

9.5.2.3 In *RECORDING* you record the message for the user address.
- Press **ENT** to enter the settings.
  - The 3 seconds of available recording scroll on the keypad display.
- Select message 2 and scroll through the programming seen above for Message 1 (starting from point 9.5.2.1 in this page) you can record all the other possible words.
- Having finished programming all the required words, press **ESC|←** to exit the single zone programming and return to the previous Record Words Settings menu.

ESC|← *to go back*



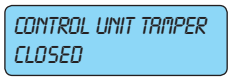
ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Recordings Menu level.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to return to the Telephone Settings menu level.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to completely exit the Control unit Programming.

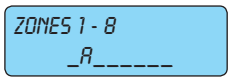
This menu is used to activate a *SYSTEM TEST*
• Press **ENT** to enter the system test.

ENT



All the *CONTROL UNIT TAMPER*, i.e. the anti-tamper functions on the system, are closed.
• Press the arrow key **PAR|↓** to continue the test.

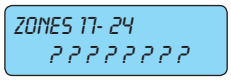
PAR|↓



To assess *ZONES 1 - 8*, see the table to the side.
• Press the arrow key **PAR|↓** to continue the test.

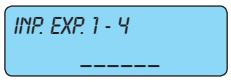
code	description
TO	alarm
M	masking
T	tamper
X	not used
?	not associated

PAR|↓



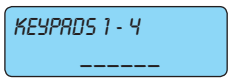
In *ZONES 17 - 24*, the zones from 17 to 24 are not programmed.
• Press the arrow key **PAR|↓** to continue the test.

PAR|↓



the *INP-.EXP. 1 - 4*, i.e. the input expansion modules, are functioning correctly.
• Press the arrow key **PAR|↓** to continue the test.

PAR|↓



The *KEYPADS 1 - 4*, i.e. the input expansion modules, are functioning correctly.
• Press the arrow key **PAR|↓** to continue the test.

PAR|↓

The *OUTPUT EXPANSIONS1 - 6* are functioning correctly.
• Press the arrow key **PAR|↓** to continue the test.

ESC|← *to go back* As there are no more parameters to be programmed, press **ESC|←** to completely exit the Control unit Programming.

Section 2

Programming the control unit with By-Alarm Manager software

Procedure to enable settings with By-alarm Manager

The connection between the PC and the By-alarm control unit is done via the configuration interface 01725 following the instructions given in the instruction sheet.

1. CONNECT THE CONTROL UNIT (CONNECTOR CN3) TO THE PC (USB PORT) VIA THE SETTINGS INTERFACE 01725

   Note: If the PC has only USB ports and no serial port simply use a USB-RS232 converter.
   The installation of the converter driver will allow the operating system to map the USB port as a virtual COM to which a number will be assigned (visible from the Windows Control unit) with which it will univocally be identified; this number is the one to enter in the By-alarm Manager software in the Connection to control unit window.

2. PREPARE THE CONTROL UNIT FOR CONNECTION:

   a) Use keypad 01705 to enter the programming menu entering the installer ID (the default code for all control units is 123456).

   b) Activate the connection with the PC.
   - select the Settings e menu and press ENT.
   - scroll through the menu as far as PC <--> Control unit and press ENT.
   - press CLR to view YES.
   - press ESC to exit the menu.

   d) press ESC repeatedly to completely exit the control unit programming menu.

3. PREPARE THE PC FOR CONNECTION:

   a) Run the By-alarm Manager software and open the system programming window.

   b) Select the folder New to open a new system and enter the characterising data (Name, etc.).

   b) Select New-> System Programming and indicate the type of control unit installed (art. 01700 or 01700.120).

4. START COMMUNICATION:

   a) Select the control unit just set up; the general *System Programming* screen is displayed.

   b) Click on Connect and set the required COM port by clicking on Open Peripherals Management.

   c) Click on Start connection to start the communication session.

IMPORTANT: At the end of the local connection disable the connection between the PC and the control unit; to do so, run the procedure indicated in point 2 setting NO (press CLR) in option PC <--> Control unit.
If the Web Server 01945-01946 and the By-alarm interface to the Ethernet network 01712 are present in the system, do not run the disconnection procedure.

System card

By-alarm **burglar alarm system**

Date of installation:

Surname and name:

Address:

Telephone

Zone	Associated devices	Notes
1		
2		
3		
4		
5		
6		
7		
8		
9		

Zone	Associated devices	Notes
10		
11		
12		
13		
14		
15		
16		
17		
18		
19		
20		
21		

Zone	Associated devices	Notes
22		
23		
24		

AREA-Zone association	
Zones associated to AREA 1	ON:
	INT:
	PAR:
Zones associated to AREA 2	ON:
	INT:
	PAR:

Zones associated to AREA 3	ON:
	INT:
	PAR:
Zones associated to AREA 4	ON:
	INT:
	PAR:
Zones associated to AREA 5	ON:
	INT:
	PAR:
Zones associated to AREA 6	ON:
	INT:
	PAR:

Zones associated to AREA 7	ON:
	INT:
	PAR:
Zones associated to AREA 8	ON:
	INT:
	PAR:

CE

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