



TP4-20

4 TO 20 ZONES CONTROL
PANEL



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EN 50081-1

USER MANUAL

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The features of the control panel can be subject to change without notice.
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DECLARATION OF CONFORMITY

Tecnoalarm snc of Trucchi Luciano and Negro Giovanni, 10156 Turin, Italy, declare under their sole responsibility that the product which this declaration relates to

TP4-20

is in conformity with all relevant essential requirements of the directive 1999/5/EC and in particular the health and safety provisions of the directive 73/23/EEC and the electromagnetic compatibility provisions of the directive 89/336/EEC.

The above product is in conformity with the Commission Decision TBR21 which guarantees the PSTN connection features in Europe.

In addition, the correct use of the radio spectrum avoiding harmful interferences is guaranteed.

Turin, July 10th, 2006



Negro Giovanni



PREFACE

APPLICATION NOTES

The alarm system TP4-20 is very easy to use. Thus, it is recommended to arm the system every time you leave the house or apartment unattended, even if only for a short period of time.

For your own safety keep all the access codes secret.

In case one of the codes, keys or wireless keys is stolen or lost, contact your installer immediately for its replacement.

WHEN YOU ARE AT HOME

Whenever possible close all the access points (e.g. doors, windows).

If necessary arm part of the system in order to protect the unused areas and if need be arm the perimeter protection.

WHEN YOU LEAVE THE HOUSE

Verify thoroughly that all the entrance doors and windows are closed.

Ensure that the system is working correctly and that there is no alarm or error signaling on the console.

Remember to arm the entire system (all the programs necessary for arming all the zones of the system).

WHEN YOU ARE PREPARING FOR A JOURNEY

Ensure that all the batteries of the system have been checked and if necessary replaced by the installer with the periodicity provided for.

Check all the entrance doors and windows thoroughly again and ensure that they are well closed.

Arm the system on test in order to verify correct functioning.

On departure arm the system completely.

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1. GENERAL FEATURES



TP4-20 is a new generation microprocessor-based control panel, extremely user-friendly.

It controls 4 to 20 zones selectable from the inputs of the CPU board, or from the internal input extension module or that connected via serial bus or the optional wireless modules. The control panel is programmable by PC or LCD console (LCD020, LCD012).

The final user may do some simple parameterizations by console and control the system by console, electronic keypad, electronic key or wireless key.

In addition, it is possible to initiate determined processes by telephone.

1.1 ACCESS CODES

For the control by console, electronic keypad and telephone the following access codes are available:

- **Master**
The master code gives access to the master menu that in addition to total and partial arming and disarming permits programming of some of the functioning parameters. Since it permits programming of the standard user codes, too, the master code is usually reserved to the owner of the system.
The default master code is
12345
- **Standard user**
The standard user codes permit only arming and disarming of the control panel and related operations. The system recognizes a total of 200 standard user codes. Merely the holder of the master code can program the standard user codes and determine their level of access.

1.2 OPERATIONS EXECUTABLE BY CONSOLE

1.2.1 OPERATIONS EXECUTABLE WITH MASTER CODE

PROGRAMMING

- Clock setting
- Programming of the chime zones (the opening of which is signaled even if the control panel is disarmed)
- Creation and modification of the programs
- Programming of 4 timers for scheduled operations
- Programming of 2 access periods of the codes, electronic keys and wireless keys
- Programming of the telephone functions
 - » Enabling of the answering mode
 - » Programming of the number of rings prior to answering
 - » Programming of the pabx number (in case of connection after a PABX switchboard)
 - » Programming of the telephone numbers of the channels (2 numbers per channel)
 - » Manual call back
 - » Enabling of the answering mode of the GSM telephone communicator
 - » Programming of the emergency number of the GSM telephone communicator (to be called if the communication between the control panel and the GSM telephone communicator is interrupted)

- » Programming of the emergency SMS of the GSM telephone communicator (to be sent if the communication between the control panel and the GSM telephone communicator is interrupted instead of the emergency call)
 - Programming and modification of the values and attributes of the master code and the standard user codes (1 to 20)
 - Programming and recognition of the electronic keys (1 to 16)
 - Programming and recognition of the wireless keys (1 to 16)
 - Voluntary exclusion of the extension modules (e.g. in case of failure)
 - Access to the test menu for functioning check
 - Enabling of remote access
- Permits the installer to accede to the system via telephone line using the programming and monitoring software in order to verify or modify the functioning parameters of the control panel.

FUNCTIONING

- Activation and deactivation of the remote controls (1 to 2)
- Total or partial arming of the control panel through the programs (1 to 4)
- Total disarming of the control panel (all programs)
- Partial disarming of the control panel
- Total arming/disarming of the control panel with the keys # (hash) and * (star)
- Consultation of the event buffer of the control panel
- Clearing of the event buffer of the control panel
- Abort of the active telephone calls

1.2.2 OPERATIONS EXECUTABLE WITH STANDARD USER CODE

PROGRAMMING

- Clock setting
- Programming of the telephone functions
 - » Programming of the telephone numbers of the channels (2 numbers per channel)

FUNCTIONING

- Activation or deactivation of the remote controls associated (1 to 2)
- Arming of the control panel through the programs associated (1 to 4)



N.B.

Every code can arm and disarm only those programs it has been enabled for.

- Total or partial disarming of the control panel
- Total arming/disarming of the control panel with the keys # (hash) and * (star)
- Consultation of the event buffer of the control panel
- Clearing of the event buffer of the control panel
- Abort of the active telephone calls

1.3 OPERATIONS EXECUTABLE BY TELEPHONE

It is possible to execute determined operations at distance via telephone line.

Calling the control panel (upon answering emits a beep) and entering a user code (master or standard user) access is given to the telephone menu.

The following functions are available:

- **System status check**
The control panel lists the alarms detected.
- **Program status check and arming/disarming of the programs**
The control panel signals program status (stand-by/alarm) and possible program alarms stored. It is possible to arm or disarm programs. After arming/disarming program status and possible program alarms stored are signaled again.
- **Activation/deactivation of the remote controls**
The control panel signals remote control status (active/deactivated). It is possible to activate or deactivate the remote controls. After the activation/deactivation remote control status is signaled again.
- **Verification of the RDV detectors**
The RDV detectors are doppler detectors that transmit a sound signal proportionate to the movement detected. It is possible to activate the verification of all the active RDV detectors for approximately 30 seconds.
- **Recording of the opening message (with master code only)**
It is possible to record the opening message with a fix duration of approximately 10 seconds. The opening message is reproduced at the beginning of every alarm call.

1.3.1 SKIP ANSWERING MACHINE

If the control panel is connected after an answering machine, it is possible to program it in a way that it answers immediately to the incoming calls avoiding the intervention of the answering machine (skip answering machine). Program 17 rings prior to answering and procede as follows:

- call the control panel and close the communication after the first ring
- call the control panel again

If after the first ring and shutdown of the communication, the control panel receives a second call within a period of 6 to 60 seconds, it answers without awaiting the rings that are missing to 17.

1.4 FUNCTIONING

The control panel can be connected through the programs (1 to 4) programmable by the installer as well as the holder of the master code.

The programs group the zones (1 to 20) that are activated, i.e. are enabled for the detection of alarms, simultaneously upon arming of the program.

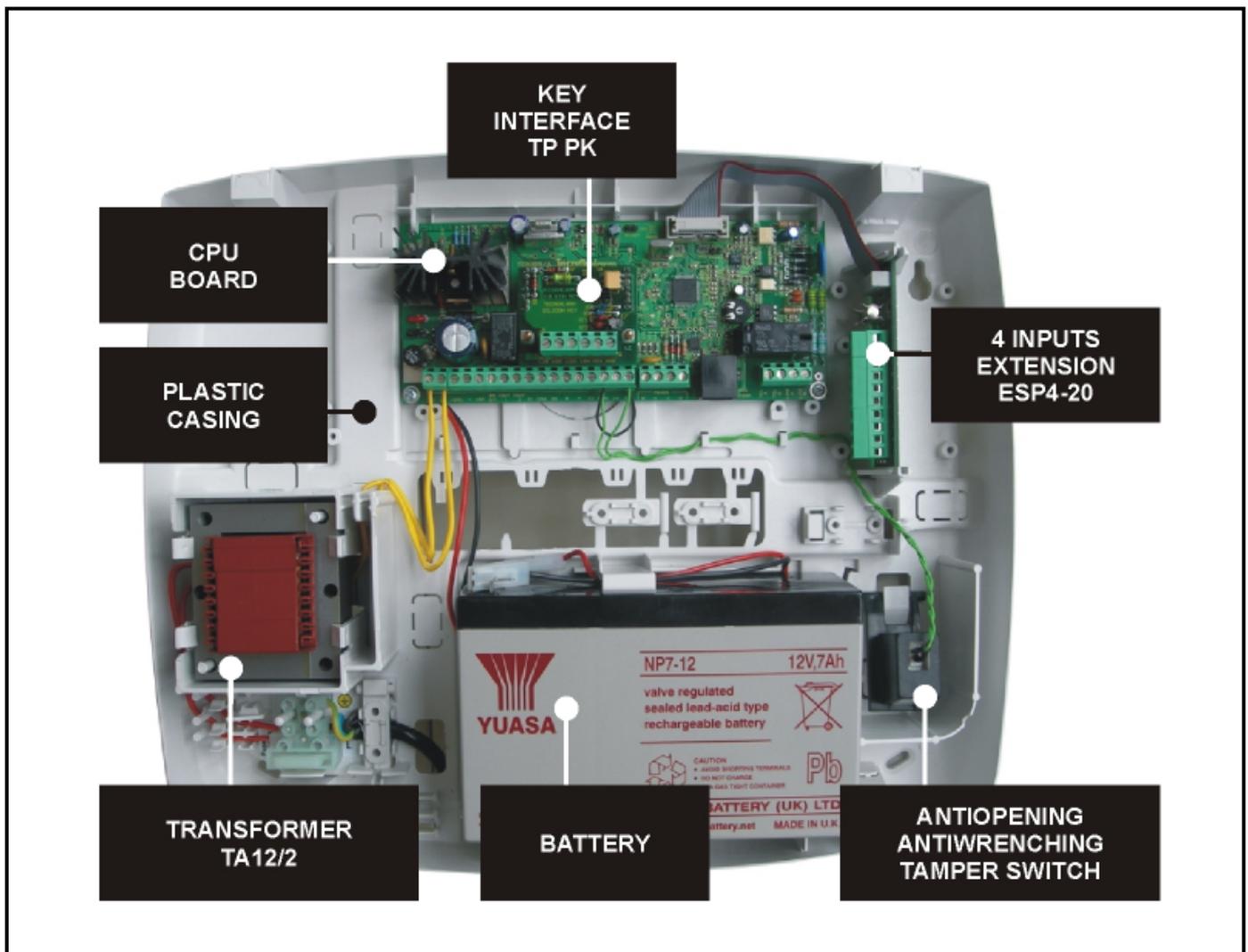
The programs can be armed one at a time (single arming) or simultaneously (multiple arming).

Common zones (multiple arming only)

If a zone is included in more than one program and is defined common zone, it is enabled for the detection of alarms only when all the programs it is included in are armed.

Example: if a system is used by two appartments that share the same entrance zone, the owners of the appartments can connect the proper part of the system independently through the program/s associated to it and using the proper user codes. The common zone (entrance), however, is activated only if the programs of both appartments it is included in are armed simultaneously.

1.5 COMPOSITION





WARNING

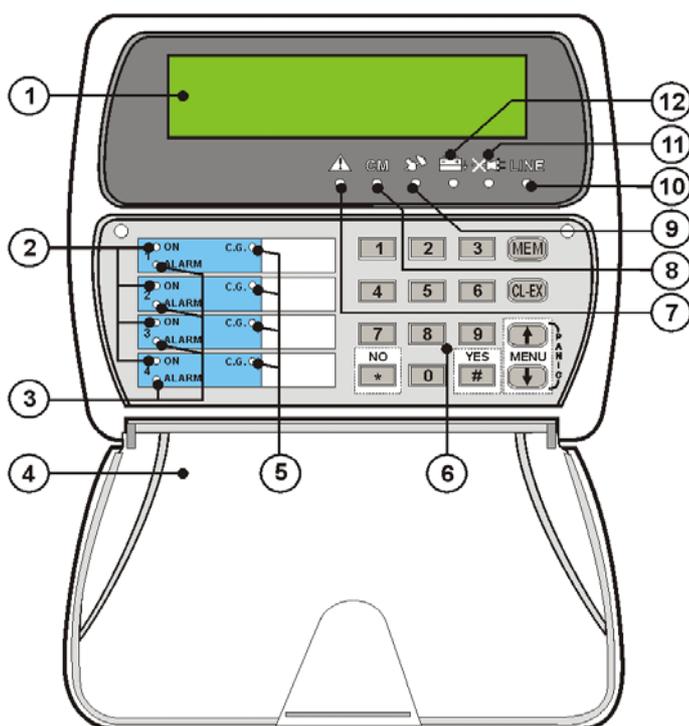
Do not open the control panel casing.
Its opening beside causing a tamper alarm and the activation of the sirens gives access to parts of the electronic board with dangerous operating voltages.
If need be always consult your installer.

2. SIGNALING

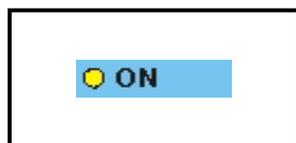
System status signaling is made by the leds of the control units and perhaps through the indications on the LCD display of the consoles that possess it.

2.1 CONSOLE LCD020

This kind of console permits program status signaling through coloured leds and an LCD display. It does not provide signaling of the status of the individual zones.



1	DISPLAY Indicates date/time or active parameter
PROGRAM STATUS LED	
LED off	Program in stand-by
LED blinking quickly	Program in arming phase
LED blinking slowly	Program partset
LED on	Program armed
PROGRAM ALARM LED	
LED off	No alarm
LED blinking	Program alarm active
LED on	Alarm stored (alarm memory)
SCREW COVER	
OCG LED (GENERAL CONTROL)	
LED blinking quickly	Open direct or delayed (T2) zones
KEYPAD	
GENERAL ALARM LED	
LED off	No alarm
LED blinking	General alarm active
LED on	Alarm stored (alarm memory)
COMMAND MODE LED	
LED off	Console in stand-by (no key pressed)
LED on	Console in use (keystroke)
TAMPER ALARM LED	
LED off	No alarm
LED blinking	Tamper alarm active
LED on	Alarm stored (alarm memory)
LINE LED (RS485 SERIAL BUS)	
LED off	Serial bus badly connected or defect
LED on	Serial bus connected and ok
MAINS LED (POWER FAILURE)	
LED off	No alarm
LED blinking	Power failure (230V AC)
LED on	Alarm stored (alarm memory)
BATTER LED	
LED off	No alarm
LED blinking	Insufficient battery voltage
LED on	Alarm stored (alarm memory)

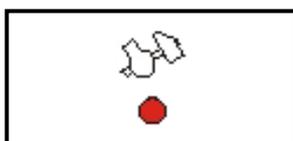
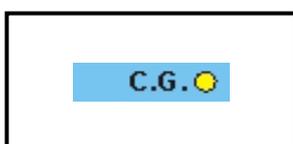


2.1.1 PROGRAM STATUS LED (YELLOW)

The yellow program status led signals program status (1 to 4):

- Led blinking quickly = program during arming phase
The arming phase is the lapse of time from entering the code until actual arming of the control panel. It depends on the exit time programmed (if the system contains delayed zones).
- Led blinking slowly = program partset
- Led on = program armed
The led remains lit until disarming of the program.
- Led off = program disarmed

The events, arming, disarming and bypass, are stored in the event buffer of the control panel with indication of date and time.



2.1.2 PROGRAM ALARM LED (RED)

Program alarm is detected only if the control panel is armed. The red program alarm led produces the following signaling:

- Led blinking = alarm active
The led starts blinking upon detection of an alarm on one of the zones included in the program and continues blinking during the entire alarm time. Depending on programming, the indoor and/or outdoor sirens and/or the logic outputs OUT1- and OUT2- are activated, too.
- Once the alarm has stopped, the led is switched off.
- Led on = alarm stored (alarm memory)
The led becomes lit on disarming of the control panel, and is lit until the program is armed again.
- Led off = no alarm

Program alarms are stored in the event buffer of the control panel with indication of date and time of beginning and end of alarm.

SIGNALING ON DISPLAY

In case of program alarm, beside led signaling, on the display is viewed the name of the zone that has released the alarm.

2.1.3 GENERAL CONTROL LED (YELLOW)

The yellow general control led signals open zones.

CONTROL PANEL IN STAND-BY

- Led blinking = one or more zones open
Opening of a zone does not cause any alarm release.
- Led off = zones ok

CONTROL PANEL ARMED

- Led blinking = one or more zones open
If one of these zones is contained in a program armed, the alarm devices programmed are activated.
- Led off = zones ok

To identify the open zones consult the event buffer of the control panel.

2.1.4 TAMPER ALARM LED (RED)

The red tamper led signals tamper and zone tamper alarm. These alarms are direct and are always detected, even if the control panel is in stand-by, in case of:

- Opening of the tamper input (ZT)
- Opening of the tamper contact of a console or a module connected via serial bus
- Transection of the connection cable of a detector (zone tamper alarm)
Zone tamper alarm is detected only by the inputs with double end-of-line resistor contact (B24).
- Short circuit on the connection cable of a detector
- Opening of the tamper contact of a detector

CONTROL PANEL ARMED

- Led blinking = alarm active
The led starts blinking upon detection of the alarm and continues blinking during the entire tamper alarm time. The indoor and outdoor sirens are activated, too.
Once the alarm has stopped it becomes lit.
- Led on = alarm stored (alarm memory)

CONTROL PANEL IN STAND-BY

- Led blinking = alarm active
The led starts blinking upon detection of the alarm and continues blinking during the entire tamper alarm time. The indoor sirens are activated, too.
Once the alarm has stopped it becomes lit.
- Led on = alarm stored (alarm memory)
To identify the zone in alarm or the kind of tamper alarm consult the event buffer of the control panel.

TAMPER
Keypoint 1

Tamper and zone tamper alarms are stored in the event buffer of the control panel with indication of the date and time of beginning and end of alarm.

SIGNALING ON DISPLAY

In case of tamper or zone tamper alarm, beside led signaling, on the display is viewed the kind of tamper alarm or the zone in alarm.



! ARM. DENIED !
TAMPER

WARNING

As long as a tamper alarm is active, the control panel cannot be armed, unless the code is enabled for the BYPASS OF GENERAL ALARMS (see master menu section). In all the other cases, if you try to arm the control panel, on the display is viewed the opposite message.

To re-establish correct functioning eliminate the reason for alarm. Led signaling for tamper alarm cannot be reset by the user. Consult the installer.



2.1.5 BATTERY LED (RED)

The red battery led signals low battery alarm. This alarm is direct and is always detected, even if the control panel is in stand-by, in case of:

- Battery voltage drop below the minimum level guaranteeing correct functioning of the control panel (11V)
- Battery voltage drop below the minimum level guaranteeing correct functioning of a wireless device (2.7V)

The led produces the following signaling:

- Led blinking = alarm active
The led starts blinking upon voltage drop below the limit and continues blinking until battery restore.
- Led on = alarm stored (alarm memory)
The led becomes lit upon battery restore and remains lit on disarming of the control panel (if it is armed), and in any case until it is armed again.

Both events, low battery and battery restore, are stored in the event buffer with indication of date and time. In case of low battery of a wireless device, to identify the device that has released the alarm, consult the event buffer of the control panel.

SIGNALING ON DISPLAY

In case of low battery alarm, beside led signaling, on the display is viewed the module that has released the alarm.

LOWBATTERY
Control panel



Sat 01 - - - 00
Work. 00 : 01

WARNING

If in presence of power failure alarm, battery voltage drops below 9V, the battery is automatically disconnected in order to avoid its definite and irrevocable discharge. In this case the clock is lost, whereas system status and the event buffer are maintained.

Upon battery restore, the clock is shown as on opposite illustration with invalid month field. It is necessary to program the date and time, otherwise all the scheduled functions (automatic arming, test call, access periods of the codes/keys etc.) remain deactivated.



2.1.6 MAINS LED (RED)

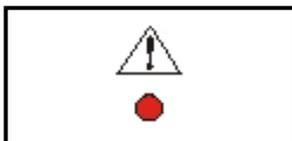
The red mains led signals power failure alarm (230V AC). This alarm is direct and is detected always, even if the control panel is in stand-by.

The alarm release can be delayed by 10 minutes to maximum 9 hours and 50 minutes.

The led produces the following signaling:

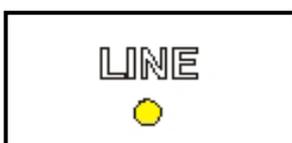
- Led blinking = alarm active
The led starts blinking upon power failure, even if the alarm release is delayed, and continues blinking until mains restore.

POWER FAILURE
Control panel



! TROUBLE !
CUT TEL. LINE

! TROUBLE !
GSM FAULT



- Led on = alarm stored (alarm memory)
The led remains lit upon mains restore and remains lit on disarming of the control panel (if it is armed), and in any case until it is armed again.

Both events, power failure and mains restore, are stored in the event buffer of the control panel with indication of date and time.

SIGNALING ON DISPLAY

In case of power failure alarm, beside led signaling, on the display is viewed the module that has released the alarm.

2.1.7 GENERAL ALARM LED (RED)

The red general alarm led signals trouble and general alarm. These alarms are direct and are detected always, even if the control panel is in stand-by, in case of:

- Antimasking alarm of the wireless receiver (significant interferences)
- Supervision alarm of a wireless device (the device fails to carry out the test transmission towards the control panel for more than the time programmed)
- False key (attempt at arming with unknown key)
- False code (pressing of 32 keys without entering a valid code)
- Cut telephone line (missing of telephone line voltage for approx. 1 minute)
- Trouble GSM module (communication between the module and the control panel interrupted for approx. 10 seconds)

The led produces the following signaling:

- Led blinking = alarm active
- Led on = alarm stored (alarm memory)

In case of **false key/code alarm** the led blinks for 2 minutes and the buzzers of the consoles are activated at intermittence for 2 minutes. In addition, the keypad of the console that has released the alarm is inhibited for 2 minutes. The keypad block can be undone by entering a valid code on another console/ electronic keypad of the system.

GSM trouble alarm is released after approx. 10 seconds from its detection.

The general alarms are stored in the event buffer of the control panel with indication of date and time. Antimasking, supervision, cut telephone line and GSM trouble alarm is stored with indication of date and time of beginning and end of alarm.

SIGNALING ON DISPLAY

In case of cut telephone line alarm or GSM trouble, beside led signaling, on the display is viewed the kind of alarm.

2.1.8 COMMAND MODE LED (YELLOW)

The yellow CM (command mode) led signals console status:

- Led on = console in use (key pressed)
- Led off = console in stand-by (no key pressed)

2.1.9 LINE LED (YELLOW)

The yellow line led signals the quality of the serial bus and the correctness of the connection of the console:

- Led on = connection ok (serial bus ok and console connected correctly)
- Led off = connection ko (interferences on the serial bus and/ or console badly connected)

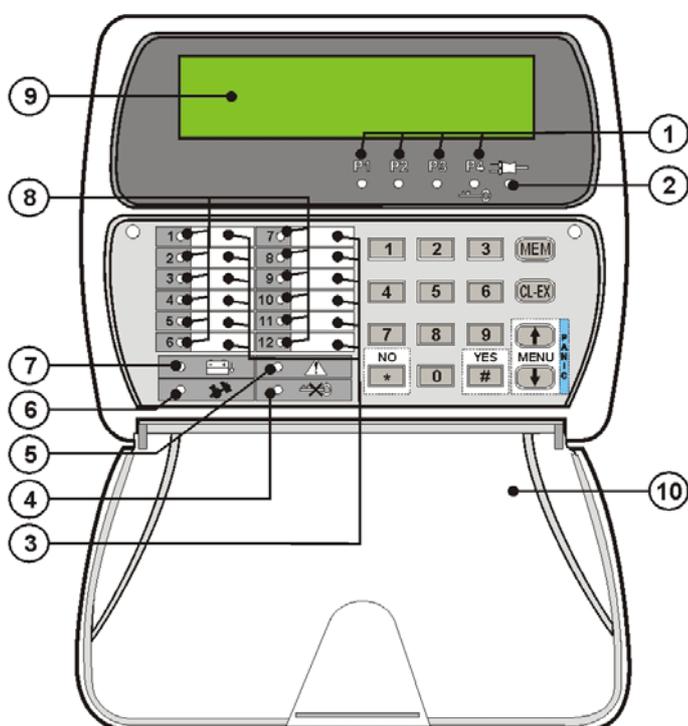
2.1.10 HOLD-UP ALARM

The hold-up alarm does not generate **any** signaling, neither through led nor on the display of the console.

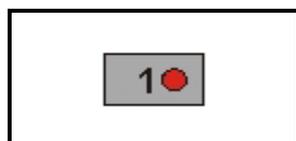
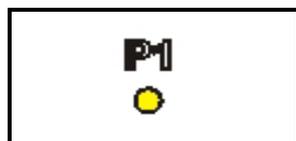
La alarma coacción se graba en la memoria de eventos de la central.

2.2 CONSOLE LCD012

This kind of console permits program status signaling and zone status signaling for the first 12 zones of the control panel through coloured leds and an LCD display.



PROGRAM STATUS LED (1...4)	
LED off	Program in stand-by
1 LED blinking quickly	Program in arming phase
LED blinking slowly	Program partset
LED on	Program armed
2 KEYPAD	
3 LABELS FOR ZONE DESCRIPTION	
FALSE CODE ALARM LED	
LED off	No alarm
LED blinking	False code alarm active
LED on	Alarm stored (alarm memory)
GENERAL ALARM LED	
LED off	No alarm
LED blinking	Alarm active
LED on	Alarm stored (alarm memory)
TAMPER ALARM LED	
LED off	No alarm
LED blinking	Alarm active
LED on	Alarm stored (alarm memory)
BATTERY LED	
LED off	No alarm
LED blinking	Low battery voltage
LED on	Alarm stored (alarm memory)
ZONE ALARM LED (1...12)	
LED off	No alarm
LED blinking	Alarm active
LED on	Alarm stored (alarm memory)
9 DISPLAY Indicates date/time or active parameter	
10 RECLOSABLE PROTECTION FLAP	



2.2.1 PROGRAM STATUS LED (YELLOW)

The yellow program status led signals program status (1 to 4):

- Led blinking quickly = program during arming phase
The arming phase is the lapse of time from entering the code until actual arming of the control panel. It depends on the exit time programmed (if the system contains delayed zones).
- Led blinking slowly = program partset
- Led on = program armed
The led remains lit until disarming of the program.
- Led off = program disarmed

The events, arming, disarming and bypass, are stored in the event buffer of the control panel with indication of date and time.

2.2.2 ZONE ALARM LED (RED)

Zone alarm is only released if the program the zone is included in is armed. The red zone alarm led signals open zones.

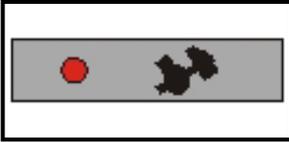
CONTROL PANEL ARMED

- Led blinking = alarm active
The led starts blinking upon detection of an alarm on one of the zones included in the program and continues blinking during the entire alarm time. Depending on programming, the indoor and/or outdoor sirens are activated, too.
Once the alarm has stopped, the led is switched off.

CONTROL PANEL IN STAND-BY

- Led on = alarm stored (alarm memory)
The led becomes lit on disarming of the control panel, and is lit until the program is armed again.
- Led off = no alarm

ALARM
Extension Z2



Zone alarms are stored in the event buffer of the control panel with indication of date and time of beginning and end of alarm.

SIGNALING ON DISPLAY

In case of zone alarm, beside led signaling, on the display is viewed the zone in alarm.

2.2.3 TAMPER ALARM LED (RED)

The red tamper led signals tamper and zone tamper alarm. These alarms are direct and are always detected, even if the control panel is in stand-by, in case of:

- Opening of the tamper input (ZT)
- Opening of the tamper contact of a console or a module connected via serial bus
- Transection of the connection cable of a detector (zone tamper alarm)
- Short circuit on the connection cable of a detector
- Opening of the tamper contact of a detector

CONTROL PANEL ARMED

- Led blinking = alarm active
The led starts blinking upon detection of the alarm and continues blinking during the entire tamper alarm time. The indoor and outdoor sirens are activated, too. Once the alarm has stopped it becomes lit.

- Led on = alarm stored (alarm memory)

CONTROL PANEL IN STAND-BY

- Led blinking = alarm active
The led starts blinking upon detection of the alarm and continues blinking during the entire tamper alarm time. The indoor sirens are activated, too. Once the alarm has stopped it becomes lit.
- Led on = alarm stored (alarm memory)
To identify the zone in alarm or the kind of tamper alarm consult the event buffer of the control panel.

Tamper and zone tamper alarms are stored in the event buffer of the control panel with indication of the date and time of beginning and end of alarm.

SIGNALING ON DISPLAY

In case of tamper or zone tamper alarm, beside led signaling, on the display is viewed the kind of tamper alarm or the zone in alarm.

TAMPER
Keypoint 1



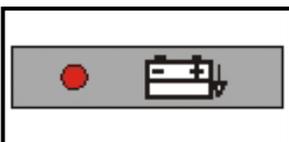
! ARM. DENIED !
TAMPER

WARNING

As long as a tamper alarm is active, the control panel cannot be armed, unless the code is enabled for the BYPASS OF GENERAL ALARMS (see master menu section). In all the other cases, if you try to arm the control panel, on the display is viewed the opposite message.

To re-establish correct functioning eliminate the reason for alarm.

Led signaling for tamper alarm cannot be reset by the user. Consult the installer.



2.2.4 BATTERY LED (RED)

The red battery led signals low battery alarm. This alarm is direct and is always detected, even if the control panel is in stand-by, in case of:

- Battery voltage drop below the minimum level guaranteeing correct functioning of the control panel (11V)
- Battery voltage drop below the minimum level guaranteeing correct functioning of a wireless device (2.7V)

The led produces the following signaling:

- Led blinking = alarm active
The led starts blinking upon voltage drop below the limit and continues blinking until battery restore.

- Led on = alarm stored (alarm memory)
The led becomes lit upon battery restore and remains lit on disarming of the control panel (if it is armed), and in any case until it is armed again.

Both events, low battery and battery restore, are stored in the event buffer with indication of date and time. In case of low battery of a wireless device, to identify the device that has released the alarm, consult the event buffer of the control panel.

SIGNALING ON DISPLAY

In case of low battery alarm, beside led signaling, on the display is viewed the module that has released the alarm.

LOW BATTERY
Control panel



WARNING

If in presence of power failure alarm, battery voltage drops below 9V, the battery is automatically disconnected in order to avoid its definite and irrevocable discharge. In this case the clock is lost, whereas system status and the event buffer are maintained.

Upon battery restore, the clock is shown as on opposite illustration with invalid month field. It is necessary to program the date and time, otherwise all the scheduled functions (automatic arming, test call, access periods of the codes/keys etc.) remain deactivated.

Sat 01 - - - 00
Work. 00 : 01



2.2.5 GENERAL ALARM LED (RED)

The red general alarm led signals trouble and general alarm. These alarms are direct and are detected always, even if the control panel is in stand-by, in case of:

- Antimasking alarm of the wireless receiver (significant interferences)
- Supervision alarm of a wireless device (the device fails to carry out the test transmission towards the control panel for more than the time programmed)
- Cut telephone line (missing of telephone line voltage for approx. 1 minute)
- Trouble GSM module (communication between the module and the control panel interrupted for approx. 10 seconds)

The led produces the following signaling:

- Led blinking = alarm active
- Led on = alarm stored (alarm memory)

GSM trouble alarm is released after approx. 10 seconds from its detection.

The general alarms are stored in the event buffer of the control panel with indication of date and time. Antimasking, supervision, cut telephone line and GSM trouble alarm is stored with indication of date and time of beginning and end of alarm.

SIGNALING ON DISPLAY

In case of cut telephone line alarm or GSM trouble, beside led signaling, on the display is viewed the kind of alarm.

! TROUBLE !
CUT TEL. LINE

! TROUBLE !
GSM FAULT



2.2.6 KEY LED (RED)

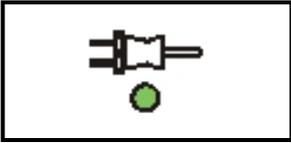
The red key led signals false code or false key alarm:

- False key (attempt at arming with unknown key)
- False code (pressing of 32 keys without entering a valid code)

The led produces the following signaling:

- Led blinking = alarm active
The led blinks for 2 minutes and the buzzers of the consoles are activated at intermittenence for 2 minutes. In addition, the keypad of the console that has released the alarm is inhibited for 2 minutes. The keypad block can be undone by entering a valid code on another console/electronic keypad of the system.
- Led on = alarm stored (alarm memory)

False code or false key alarms are stored in the event buffer of the control panel with indication of date and time.



2.2.7 MAINS LED (GREEN)

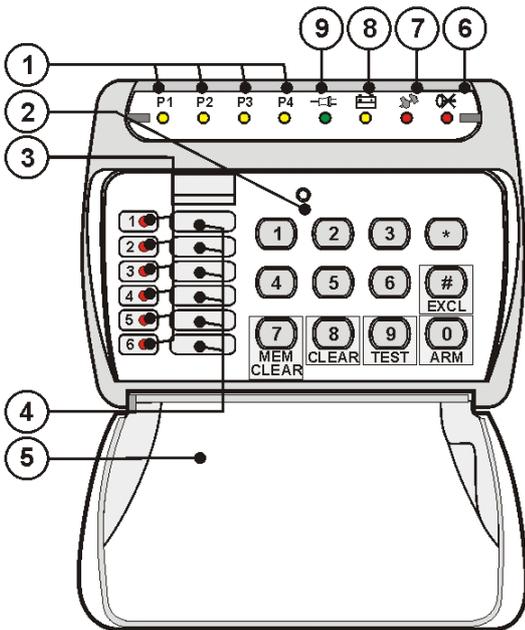
The green mains led signals power failure (230V AC):

- Led on = mains power ok
- Led off = power failure

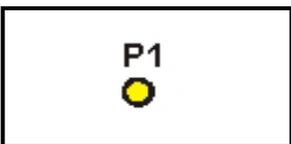
Both events, power failure and mains restore, are stored in the event buffer of the control panel with indication of date and time.

2.3 CONSOLE LED06

This kind of console permits program status signaling and zone status signaling for the first 6 zones of the control panel through coloured leds.



PROGRAM STATUS LED (1...4)	
1	LED off LED blinking quickly LED on
	Program in stand-by Program in arming phase Program armed
2 KEYPAD	
ZONE ALARM LED (1...6)	
3	LED off LED blinking LED on
	No alarm Zone alarm active Alarm stored (alarm memory)
4 LABELS FOR ZONE DESCRIPTION	
5 RECLOSABLE PROTECTION FLAP	
FALSE CODE ALARM LED	
6	LED off LED blinking LED on
	No alarm False code alarm active Alarm stored (alarm memory)
TAMPER ALARM LED	
7	LED off LED blinking LED on
	No alarm Tamper alarm active Alarm stored (alarm memory)
BATTERY LED	
8	LED off LED blinking LED on
	No alarm Insufficient battery voltage Alarm stored (alarm memory)
MAINS LED	
9	LED off LED on
	Power failure (230V AC) Mains power (230V AC) ok

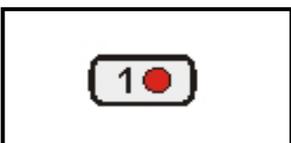


2.3.1 PROGRAM STATUS LED (YELLOW)

The yellow program status led signals program status (1 to 4):

- Led blinking quickly = program during arming phase
The arming phase is the lapse of time from entering the code until actual arming of the control panel. It depends on the exit time programmed (if the system contains delayed zones).
- Led on = program armed
The led remains lit until disarming of the program.
- Led off = program disarmed

The events, arming and disarming, are stored in the event buffer of the control panel with indication of date and time.



2.3.2 ZONE ALARM LED (RED)

Zone alarm is only released if the program the zone is included in is armed. The red zone alarm led signals open zones.

CONTROL PANEL ARMED

- Led blinking = alarm active
The led starts blinking upon detection of an alarm on one of the zones included in the program and continues blinking during the entire alarm time. Depending on programming, the indoor and/or outdoor sirens are activated, too.

Once the alarm has stopped, the led is switched off.

CONTROL PANEL IN STAND-BY

- Led on = alarm stored (alarm memory)
The led becomes lit on disarming of the control panel, and is lit until the program is armed again.
- Led off = no alarm

Zone alarms are stored in the event buffer of the control panel with indication of date and time of beginning and end of alarm.

2.3.3 TAMPER ALARM LED (RED)

The red tamper led signals tamper and zone tamper alarm. These alarms are direct and are always detected, even if the control panel is in stand-by, in case of:

- Opening of the tamper input (ZT)
- Opening of the tamper contact of a console or a module connected via serial bus
- Transection of the connection cable of a detector (zone tamper alarm)

Zone tamper alarm is detected only by the inputs with double end-of-line resistor contact (B24).

- Short circuit on the connection cable of a detector
- Opening of the tamper contact of a detector

CONTROL PANEL ARMED

- Led blinking = alarm active
The led starts blinking upon detection of the alarm and continues blinking during the entire tamper alarm time. The indoor and outdoor sirens are activated, too.
Once the alarm has stopped it becomes lit.

- Led on = alarm stored (alarm memory)

CONTROL PANEL IN STAND-BY

- Led blinking = alarm active
The led starts blinking upon detection of the alarm and continues blinking during the entire tamper alarm time. The indoor sirens are activated, too.
Once the alarm has stopped it becomes lit.

- Led on = alarm stored (alarm memory)

Tamper and zone tamper alarms are stored in the event buffer of the control panel with indication of date and time of beginning and end of alarm.

2.3.4 BATTERY LED (YELLOW)

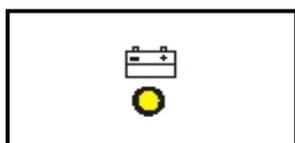
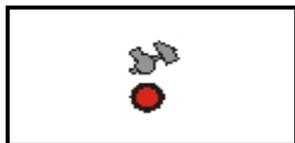
The yellow battery led signals low battery alarm. This alarm is direct and is always detected, even if the control panel is in stand-by, in case of:

- Battery voltage drop below the minimum level guaranteeing correct functioning of the control panel (11V)
- Battery voltage drop below the minimum level guaranteeing correct functioning of a wireless device (2.7V)

The led produces the following signaling:

- Led blinking = alarm active
The led starts blinking upon voltage drop below the limit and continues blinking until battery restore.
- Led on = alarm stored (alarm memory)
The led becomes lit upon battery restore and remains lit on disarming of the control panel (if it is armed), and in any case until it is armed again.

Both events, low battery and battery restore, are stored in the event buffer with indication of date and time.





2.3.5 KEY LED (RED)

The red key led signals false code or false key alarm:

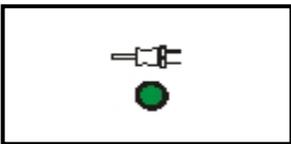
- False key (attempt at arming with unknown key)
- False code (pressing of 32 keys without entering a valid code)

The led produces the following signaling:

- Led blinking = alarm active
The led blinks for 2 minutes and the buzzers of the consoles are activated at intermittance for 2 minutes. In addition, the keypad of the console that has released the alarm is inhibited for 2 minutes. The keypad block can be undone by entering a valid code on another console/electronic keypad of the system.

- Led on = alarm stored (alarm memory)

False code or false key alarms are stored in the event buffer of the control panel with indication of date and time.



2.3.6 MAINS LED (GREEN)

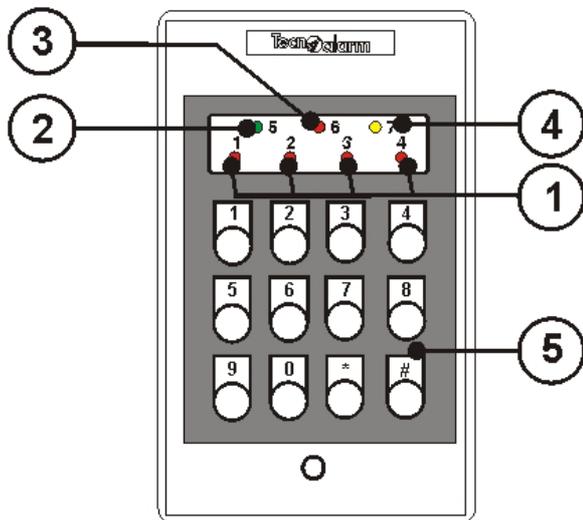
The green mains led signals power failure (230V AC):

- Led on = mains power ok
- Led off = power failure

Both events, power failure and mains restore, are stored in the event buffer of the control panel with indication of date and time.

2.4 ELECTRONIC KEYPAD TP SDN

The electronic keypad permits program status signaling through a series of coloured leds. It does not provide signaling of the status of the individual zones.



PROGRAM STATUS LED (1...4)	
LED off	Programa en reposo
1 LED blinking quickly	Programa en fase de conexión
LED blinking slowly	Programa parcializado
LED on	Programa conectado
COMMAND MODE LED	
LED off	Keypad in stand-by
2 LED blinking quickly	Other keypad in use
1 flash	Keystroke
LED on	Keypad in use (confirmation of valid code)
GENERAL ALARM LED	
3 LED off	No alarm
LED blinking	General alarm active
LED on	Alarm stored (alarm memory)
GENERAL CONTROL LED	
4 LED off	No alarm
LED blinking quickly	Open direct zones during arming phase
LED blinking slowly	Alarm active
LED on	Alarm stored (alarm memory)
5 KEYPAD	

2.4.1 LED 7 - OCG/GENERAL CONTROL

The yellow OCG led signals program alarm. The program alarm is detected if the control panel is armed only. During the arming phase, the led signals open direct zones.

The led produces the following signaling:

- Led blinking slowly = program alarm active
The led starts blinking upon the detection of an alarm on one of the zones included in the program and continues blinking during the entire alarm time. Depending on programming, the indoor and/or outdoor sirens and/or the logic outputs OUT1- and OUT2- are activated, too.
Once the alarm has stopped, the led is switched off.
- Led on = alarm stored (alarm memory)
The led becomes lit on disarming of the control panel, and is lit until the control panel is armed again.

Program alarms are stored in the event buffer of the control panel.

2.4.2 LED 6 - GENERAL ALARM

The red general alarm led signals trouble and general alarm. These alarms are direct and are detected always, even if the control panel is in stand-by, in case of:

- Antimasking alarm of the wireless receiver (significant interferences)
- Supervision alarm of a wireless device (the device fails to carry out the test transmission towards the control panel for more than the time programmed)
- False key (attempt at arming with unknown key)
- False code (pressing of 32 keys without entering a valid code)
- Cut telephone line (missing of telephone line voltage for approx. 1 minute)
- Trouble GSM module (communication between the module and the control panel interrupted for approx. 10 seconds)
- Low battery (voltage of the battery of the control panel has dropped below the limit of 11V or that of the battery of a wireless device has dropped below the limit of 2.7V)
- Power failure (230V AC)

The general alarm led produces the following signaling:

- Led blinking = alarm active
- Led on = alarm stored (alarm memory)

The general alarms are stored in the event buffer of the control panel with indication of date and time. Antimasking, supervision, cut telephone line and GSM trouble alarm is stored with indication of date and time of beginning and end of alarm.

2.4.3 LED 5 - COMMAND MODE

The green CM (command mode) led signals console status:

- Led on = console in use (key pressed)
- Led off = console in stand-by (no key pressed)
- Led blinking quickly = other keypad in use
- One flash = keystroke

2.4.4 LED 1, 2, 3, 4 - PROGRAM STATUS

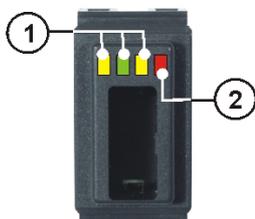
The red program status led signals program status:

- Led blinking quickly = program during arming phase
The arming phase is the lapse of time from entering the code until actual arming of the control panel. It depends on the exit time programmed (if the system contains delayed zones).
- Led blinking slowly = program partset
- Led on = program armed
The led remains lit until disarming of the program.
- Led off = program disarmed

The events, arming, disarming and bypass, are stored in the event buffer of the control panel with indication of date and time.

2.5 KEY READER ATPK

The key reader permits signaling of the status of the first 3 programs through a series of coloured leds. It does not provide signaling of the status of the individual zones.



PROGRAM STATUS LED (1...3)	
LED off	Program in stand-by
1 LED blinking quickly	Program in arming phase
LED blinking slowly	Program partset
LED on	Program armed
GENERAL CONTROL LED	
2 LED off	No alarm
LED blinking	Alarm active
LED on	Alarm stored (alarm memory)

2.5.1 LED 4 - OCG/GENERAL CONTROL

The red OCG led signals program as well as trouble and general alarm. The general alarms are direct and are detected always, even if the control panel is in stand-by, in case of:

- Antimasking alarm of the wireless receiver (significant interferences)
- Supervision alarm of a wireless device (the device fails to carry out the test transmission towards the control panel for more than the time programmed)
- False key (attempt at arming with unknown key)
- False code (pressing of 32 keys without entering a valid code)

- Cut telephone line (missing of telephone line voltage for approx. 1 minute)
- Trouble GSM module (communication between the module and the control panel interrupted for approx. 10 seconds)
- Low battery (voltage of the battery of the control panel has dropped below the limit of 11V or that of the battery of a wireless device has dropped below the limit of 2.7V)
- Power failure (230V AC)

The general alarm led produces the following signaling:

- Led blinking = alarm active
- Led on = alarm stored (alarm memory)

The general alarms are stored in the event buffer. Antimasking, supervision, cut telephone line, GSM trouble, low battery and power failure alarms are stored with indication of date and time of beginning and end of alarm.

2.5.2 LED 1, 2, 3 - PROGRAM STATUS

The key reader supplies indications regarding the status of no more than 3 programs.

The program status led produces the following signaling:

- Led blinking quickly = program during arming phase
The arming phase is the lapse of time from entering the code until actual arming of the control panel. It depends on the exit time programmed (if the system contains delayed zones).
- Led blinking slowly = program partset
- Led on = program armed
The led remains lit until disarming of the program.
- Led off = program disarmed

The events, arming, disarming and bypass, are stored in the event buffer of the control panel with indication of date and time.

2.6 RESET OF LED SIGNALING

Once the alarm has stopped, the alarm leds become lit signaling that the alarm has been recognized and the alarm calls that are perhaps programmed have been executed, and the alarm has been stored in the event buffer. Alarm memory signaling persists when the control panel is put into stand-by. Blinking leds, however, signal the presence of active alarms, or alarm call cycles being executed or they mean that the alarm call cycles have been completed but the alarm persists, e.g. low battery or power failure. In stand-by, alarm memory signaling (leds lit) can be reset by the holder of the master code even though it does not compromise smooth functioning of the control panel.



WARNING

Though alarm memory signaling does not influence functioning of the control panel and may hence remain lit, it is recommended to reset it for reasons of confusion once the reason of alarm has been identified.

The reset of led signaling can only be effected by the holder of the master code.

- ACCESS -
Master

Enter the master code (default code 12345), e.g.:

☞ 1 2 3 4 5

On the display is viewed **ACCESS Master**.

To accede to the event buffer press:

☞ **MEM**

On the display is viewed **Viewing Events**.

To reset led signaling press:

☞ **CL-EX**

All the leds previously lit are switched off. The alarms, however, remain stored in the event buffer of the control panel.



WARNING

The active alarms are not stopped on reset of led signaling.

Led signaling for tamper and general alarm (e.g. low battery, power failure) cannot be reset by the user. Consult the installer.

3. PROGRAMMING

Programming of the control panel is only possible by PC or LCD console (LCD020 or LCD012). The LED consoles (LED06) and the secondary control units (indicated as keypoints) do not permit programming.

3.1 MASTER MENU

ACCESS TO THE MASTER MENU

Mon 19 JUN 06
Work. 10:45

MASTER CODE
(default code 12345)

1
2
3
4
5

- Access -
Master

LED CM
on

MENU MASTER

1	ARMING/DISARMING PROGRAM 1	➤	Arming Program 1	Program LED blinking
2	ARMING/DISARMING PROGRAM 2	➤	Arming Program 2	Program LED blinking
3	ARMING/DISARMING PROGRAM 3	➤	Arming Program 3	Program LED blinking
4	ARMING/DISARMING PROGRAM 4	➤	Arming Program 4	Program LED blinking
#	TOTAL ARMING (ALL PROGRAMS) WITH ZONE EXCLUSION	➤	Arming Ctrl panel OK	All program LED blinking
*	TOTAL DISARMING (ALL PROGRAMS)	➤	Mon 19 JUN 06 Work. 10:45	All program LED off

ACCESS TO THE MASTER PROGRAMMING MENU

MEM	CONSULTATION OF THE EVENT BUFFER	➤	Viewing Events	
MEM CL-EX	RESET OF ALARM MEMORY SIGNALING	➤	Mon 19 JUN 06 Work. 10:45	
CL-EX	BLOCK OF THE TELEPHONE CHANNELS	➤	Abort Telephone? * NO # YES	

ACCESS TO THE MASTER PROGRAMMING MENU

↓ ↑	ACCESS TO THE MASTER PROGRAMMING MENU	➤	Menu Rem. ctrl 1	
---	---------------------------------------	---	---------------------	--

MASTER PROGRAMMING MENU

↓ ↑	ACCESS TO THE MASTER PROGRAMMING MENU	>>>>	Menu Rem. ctrl 1
MASTER PROGRAMMING MENU			
↓ ↑	REMOTE CONTROLS	>>>>	Menu Rem. Ctrl 1
↓ ↑	CLOCK	>>>>	Menu Clock 2
↓ ↑	FUNCTIONS	>>>>	Menu Functions 5
↓ ↑	PROGRAMS	>>>>	Menu Programs 6
↓ ↑	TIMERS	>>>>	Menu Timers 9
↓ ↑	TELEPHONE	>>>>	Menu Telephone 10
↓ ↑	CODES	>>>>	Menu Codes 11
↓ ↑	KEYS	>>>>	Menu Keys 12
↓ ↑	WIRELESS KEYS	>>>>	Menu WL keys 13
↓ ↑	CONSOLES	>>>>	Menu Consoles 15
↓ ↑	EXCLUSION	>>>>	Menu Exclusion 16
↓ ↑	TEST	>>>>	Menu Test 17
↓ ↑	OPTIONS	>>>>	Menu Options 19

- ACCESS - Master

Menu Rem. ctrl 1

ACCESS TO THE MASTER PROGRAMMING MENU

In stand-by, i.e. all the programs of the control panel are disarmed and the date and the time are viewed on the display of the LCD console, enter the master menu by entering the master code (default code 12345), e.g.:

☞ 1 2 3 4 5

On the display is viewed **ACCESS Master**.

To enter and navigate the master programming menu, press the keys:

☞ ↑ ↓

To enter the submenu selected, press:

☞ #

WARNING

While a console is in use, all the other consoles of the system are disabled and view **Waiting**.

Commands available

- ☞ ↑ ↓ to select the submenu
- ☞ # to enter the submenu selected
- ☞ CL-EX to confirm programming and quit

Menu Rem. ctrl 1

Rem. ctrl 1 Activation []

Menu Clock 2

Fri 30 JAN 04
Work. 11 : 15

Menu Functions 5

Functions Chime 5

Chime Ctrl panel Z 1 [#]

Menu Programs 6

Programs Program 01 1

Program 01 Associate zones

Associate zones Ctrl panel Z 1 [#]

3.1.1 ACTIVATION/DEACTIVATION OF THE REMOTE CONTROLS

SELECTION OF THE REMOTE CONTROL

- ☞ to select the remote control (1 to 2)
- ☞ to confirm the selection

On the display is viewed the current status:
[] Remote control deactivated (in stand-by)
[#] Remote control active

Commands available

- ☞ to activate the remote control selected
- ☞ to deactivate the remote control selected
- ☞ **CL-EX** to confirm and quit

3.1.2 CLOCK SETTING

From the master programming menu select the submenu clock.

Commands available

- ☞ to select the parameter to be modified
- ☞ ... to program the date and the time
- ☞ **CL-EX** to confirm and quit

3.1.3 ACTIVATION OF CHIME

The function chime permits to define a zone or a group of zones the opening of which is signalled by buzzer if the control panel is in stand-by. According to programming, the buzzer can be activated once for 2 seconds on every opening of the zone or for 3 seconds on every opening and continuously if the zone remains open.

From the master programming menu select the submenu functions and select the parameter chime, by pressing:

- ☞ to select the parameter chime
- ☞ to confirm the selection

SELECTION OF THE ZONE

- ☞ to select the zone (1 to 20)
- ☞ to confirm the selection

On the display is viewed current programming:

[] Function chime inactive
[#] Function chime active

Commands available

- ☞ to activate the function chime on the zone selected
- ☞ to deactivate the function chime on the zone selected
- ☞ **CL-EX** to confirm and quit

3.1.4 CREATION/MODIFICATION OF THE PROGRAMS

It is possible to create 4 programs that group the zones (1 to 20 each) to be activated, i.e. enabled for the detection of alarms, simultaneously. The programs can be modified afterwards including or removing zones from it.

From the master programming menu select the submenu programs.

SELECTION OF THE PROGRAM

- ☞ to select the program (1 to 4)
- ☞ to confirm the selection

Initiate the creation/modification of the program by pressing:

- ☞ to create/modify the program selected

SELECTION OF THE ZONES

- ☞ to select the zones (1 to 20)
- ☞ to confirm the selection

On the display is viewed current programming:

[] Zone not included in the program selected
[#] Zone included in the program selected

Commands available

- ☞ to include the zone in the program selected
- ☞ to remove the zone from the program selected
- ☞ **CL-EX** to confirm and quit



WARNING

If a zone is included in more than one program and is defined common zone, it is only activated when all the programs it belongs to are armed.

3.1.5 PARAMETERIZATION OF THE TIMERS AND ACCESS PERIODS

Menu Time 9

From the master programming menu select the submenu time.
The time menu contains 2 submenus itself:

- Timers
- Access periods of the codes/keys

Commands available

- ☞ to select the submenu
- ☞ to confirm the selection

Time Timers 2

3.1.5.1 TIMERS

The timers permit scheduling of determined functions, such as arming/disarming of the programs and activation/deactivation of bypass. The control panel provides 4 independent timers.

SELECTION OF THE TIMER

- ☞ to select the timer to be programmed
- ☞ to confirm the selection

For every timer the following parameters can be programmed:

- Action (e.g. arming/disarming, activation/deactivation of bypass)
- Attribute (frequency of activation of the timer)
- Programs (the timer is to act on)
- Time (activation time of the timer)
- Temporary block (skip the next activation)

Commands available

- ☞ to select the parameter to be programmed
- ☞ to confirm the selection

Timers Timer 01 1

ACTION

Every timer can execute one of the following actions:

- Arming of the programs
- Disarming of the programs
- Activation of bypass
- Deactivation of bypass
- Activation of the remote controls
- Deactivation of the remote controls
- Arming with system status control

Commands available

- ☞ to select the action to be executed
- ☞ to confirm the selection
- ☞ **CL-EX** to confirm programming and quit

Timer 01 Action 1

ATTRIBUTE

Every timer can be activated with the following frequencies:

- | | | |
|---------------------|-----------------|-------------------|
| ● Inactive | ● Every holiday | ● Every Wednesday |
| ● Every day | ● Every Sunday | ● Every Thursday |
| ● Every working day | ● Every Monday | ● Every Friday |
| ● Every holiday eve | ● Every Tuesday | ● Every Saturday |

Commands available

- ☞ to select the attribute of activation
- ☞ to confirm the selection
- ☞ **CL-EX** to confirm programming and quit

Timer 01 Attribute 2

PROGRAMS

Every timer can act on the programs associated.

On the display is viewed current programming for every program:

- [] Program not associated to the timer selected
- [#] Program associated to the timer selected

Commands available

- ☞ to associate the program to the timer selected
- ☞ to undo the existing association
- ☞ **CL-EX** to confirm and quit

Timer 01 Programs 3

Programs Program 01 [#] 1

TIME

Every timer can be activated at a determined hour.

Commands available

- ☞ to select the parameter to be modified
- ☞ to program the hour of activation
- ☞ **CL-EX** to confirm and quit

Timer 01 Time 4

Time 12 : 32 [hh:mm]

Timer 01 5
Blocked [#]

TEMPORARY BLOCK

Permits the temporary block of the timer selected, i.e. its next activation is skipped. The timer is activated again upon the subsequent activation.

On the display is viewed current programming:

[] Timer not blocked

[#] Timer blocked on the next activation

Commands available

☞ [#] to skip the next activation of the timer selected

☞ [*] to undo the temporary block

☞ **CL-EX** to confirm and quit

3.1.5.2 ACCESS PERIODS OF THE CODES/ELECTRONIC KEYS/WIRELESS KEYS

The access periods permit scheduling of the access to the system with code, electronic key and wireless key. The control panel provides a total of 2 independently programmable access periods.

SELECTION OF THE ACCESS PERIODS

☞ [↑] [↓] to select the access period to be programmed

☞ [#] to confirm the selection

For every access period the following parameters can be programmed:

- Attribute beginning (frequency of activation)
- Attribute end (frequency of deactivation)
- Time beginning (activation time)
- Time end (deactivation time)

Commands available

☞ [↑] [↓] to select the parameter to be programmed

☞ [#] to confirm the selection

Time 3
Acc. periods

Acc. periods 1
Period 01

Period 01 1
Attrib. beg.

Period 01 2
Attrib. end

ATTRIBUTE

Every access period can be activated with the following frequencies:

- Inactive
- Every day
- Every working day
- Every holiday eve
- Every holiday
- Every Sunday
- Every Monday
- Every Tuesday
- Every Wednesday
- Every Thursday
- Every Friday
- Every Saturday

Commands available

☞ [↑] [↓] to select the parameter to be programmed

☞ [#] to confirm the selection

☞ **CL-EX** to confirm programming and quit

Period 01 3
Hour beg.

Period 01 4
Hour end

TIME OF BEGINNING/END

For every access period it is possible to program the time of beginning and end of the access to the system, i.e. enabling and disabling of the codes, electronic keys and wireless keys.

Commands available

☞ [↑] [↓] to select the parameter a programar

☞ [0]...[9] to program the time of beginning and end

☞ **CL-EX** to confirm and quit

3.1.6 PARAMETERIZATION OF THE TELEPHONE SECTION

From the master programming menu select the submenu telephone. In the telephone menu the following parameters can be programmed:

- Setting
- PABX (PABX number in case of connection after a PABX switchboard)
- Channel A (parameters of channel A)
- Channel B (parameters of channel B)
- Channel C (parameters of channel C)
- Channel D (parameters of channel D)
- Channel E (parameters of channel E)
- Channel F (parameters of channel F)
- Channel G (parameters of channel G)
- Channel H (parameters of channel H)
- Call back (numbers and condition of execution of the call back)
- Mobile (parameters of the telephone communicator with GSM module)

Commands available

☞ [↑] [↓] to select the parameter to be programmed

☞ [#] to confirm the selection

Menu 10
Telephone

Telephone Setting 1

3.1.6.1 GENERAL SETTINGS

It is possible to program the following parameters:

- Answering mode (enables answering to incoming calls)
- Number of rings prior to answering

Commands available

- ☞ to select the parameter to be programmed
- ☞ to confirm the selection

ANSWERING MODE

Permits enabling of the control panel for answering to incoming calls. Enabling of the answering mode is indispensable in order to give the installer access to the system for remote programming or call back.

On the display is viewed current programming:

- [#] Answering mode enabled
- [] Answering mode disabled

Commands available

- ☞ to enable the answering mode
- ☞ to disable the answering mode
- ☞ **CL-EX** to confirm and quit

Setting Answer 1 []

Setting Rings 11

NUMBER OF RINGS PRIOR TO ANSWERING

The control panel can be programmed so as to answer to incoming calls after a minimum of 3 and a maximum of 17 rings.

SKIP ANSWERING MACHINE

If the control panel is enabled for answering to incoming calls after 17 rings, it is possible to accede to the system at distance without awaiting all the rings proceeding in the following way:

- Call the control panel and replace the receiver after the first ring
 - Call the control panel again after 6 and within 60 seconds from the first call
- If the control panel receives the second call within an interval of 6 to 60 seconds from the first one, interrupted after the first ring, it answers immediately.

Commands available

- ☞ to program the number of rings prior to answering
- ☞ **CL-EX** to confirm and quit

Rings 17

Telephone PABX 2

3.1.6.2 PABX

If the control panel is connected to a telephone line after a private automatic branch exchange (PABX) switchboard, to capture the line it is necessary to dial a PABX number of 1 to 16 digits.

Commands available

- ☞ to delete an existing number
- ☞ to program the PABX number
- ☞ to program the DTMF symbols # (hash) and * (star) inside the number
- ☞ **CL-EX** to confirm and quit

PABX 05

3.1.6.3 PARAMETERIZATION OF THE TELEPHONE CHANNELS (A...H)

The control panel supplies 8 independent telephone channels (A...H). For every channel it is possible to program 2 telephone numbers, one principal that is always called first and one reserve number that is only called if the line is busy or if there is no answer. The control panel makes 4 attempts per channel alternating the principal and the reserve number.

SELECTION OF THE CHANNEL

- ☞ to select the telephone channel to be programmed
- ☞ to confirm the selection

The following parameters can be programmed:

- Principal number (max. 15 digits)
- Reserve number (max. 15 digits)

Telephone Channel A 3

TELEPHONE NUMBERS

Select the telephone number to be programmed by pressing:

- ☞ to select the telephone number to be programmed
- ☞ to confirm the selection

Commands available

- ☞ to delete the last digit
- ☞ to program the telephone number
- ☞ to program the DTMF symbols # (hash) and * (star) inside the number
- ☞ **MEM** to program a pause
- ☞ **CL-EX** to confirm and quit

Channel A First number 1

First number 011555666677777

Call back
Call 5

Call
* NO # YES

Telephone
Mobile 12

Mobile
Answer 2
[]

Mobile
Emergency no. 4

Emergency no.
01144455556666

Mobile
Enab.emer SMS[7]

Prog.emer SMS
Waiting

3.1.6.4 DIRECT CALL BACK

The call back is a procedure designed to protect the installer as well as the owner of the system against attempts at sabotage. If the installer (or monitoring station) calls the control panel, after the first data exchange, the control panel interrupts the communication and recalls the call back number programmed. Enabling this function, the direct call back is enabled.

Commands available

- ☞ # to enable the call back
- ☞ # to disable the call back
- ☞ **CL-EX** to confirm and quit

3.1.6.5 PARAMETRIZACION TRANSMISOR TELEFONICO GSM

It is possible to program the following parameters:

- Answering mode (enables answering to incoming calls)
- Emergency number (called in case of interruption of the serial communication between the control panel and the GSM telephone communicator)
- Transmission of emergency SMS (enables the transmission of SMS in case of interruption of the serial communication between the control panel and the GSM telephone communicator)
(with TECNOCELL-PRO only)
- Emergency SMS (sent in case of interruption of the serial communication between the control panel and the GSM telephone communicator)
(with TECNOCELL-PRO only)

Commands available

- ☞ ↑ ↓ to select the parameter to be programmed
- ☞ # to confirm the selection

ANSWERING MODE

Permits enabling of the GSM telephone communicator for answering to incoming calls transmitting one of the two system status messages (control panel in stand-by or control panel in alarm). The GSM telephone communicator answers after approximately 3 rings. The message is repeated until shutdown of the communication. On the display is viewed current programming:

- [] Answering mode disabled
- [#] Answering mode enabled

Commands available

- ☞ # to enable el modo de respuesta
- ☞ * to disable el modo de respuesta
- ☞ **CL-EX** to confirm and quit

EMERGENCY NUMBER

If the communication between the control panel and the GSM telephone communicator is interrupted for more than 30 seconds, the GSM telephone communicator makes an emergency call towards the number programmed for this (max. 15 digits).

Commands available

- ☞ ↑ ↓ to delete an existing number
- ☞ 0...9 to program the telephone number
- ☞ # * to program the DTMF symbols # (hash) and * (star) inside the number
- ☞ **MEM** to program a pause
- ☞ **CL-EX** to confirm and quit

ENABLING OF THE EMERGENCY SMS

Permits to enable the transmission of an emergency SMS towards the emergency number instead of a voice call in case of interruption of the communication between the control panel and the GSM telephone communicator for more than 30 seconds. On the display is viewed current programming:

- [] Emergency SMS disabled
- [#] Emergency SMS enabled

Commands available

- ☞ # to enable the transmission of the emergency SMS
- ☞ * to disable the transmission of the emergency SMS
- ☞ **CL-EX** to confirm and quit

EMERGENCY SMS

The SMS must be composed with the help of a mobile phone and sent to the number corresponding to the SIM card of the GSM telephone communicator. Afterwards, the SMS must be loaded onto the control panel.

Prog.emer SMS Completed

Upon initiation of the reception of the emergency SMS, on the display is viewed **Prog.emer SMS Waiting**.
Upon reception of the emergency SMS, on the display is viewed **Prog.emer SMS Completed**.

Commands available

- to initiate the process
- CL-EX** to confirm and quit

Menu Codes 11

From the master programming menu select the submenu codes.
In the code menu the following codes can be programmed:

- Master (definition of the functions the code is to be enabled for)
- Standard user (definition of the functions every single one of the 20 codes is to be enabled for)

Commands available

- to select the code to be programmed
- to confirm the selection

Codes Master code 3

3.1.7.1 MASTER CODE

The master code is usually reserved to the owner of the system. It is always enabled for acting on all the programs of the system.

In the master code menu the following parameters can be programmed:

- Code (programming of the code)
- Attribute (programming of the function of the code)

Commands available

- to select the parameter to be programmed
- to confirm the selection

Master code Code 1

CODE

According to programming effected by the installer it is possible to program a code of 4, 5 to 6 digits.

Commands available

- to delete an existing code
- to program the master code
- CL-EX** to confirm and quit

Master code 12345

Master code Attribute 2

ATTRIBUTE

The following functions can be programmed:

- Bypass (enables the code for the bypass of the programs)
- Bypass general alarms (enables the code for arming of the system in presence of general alarms, i.e. tamper, low battery, power failure, supervision, trouble modules)
- Hold-up (enables the code for the release of a silent alarm in case of hold-up. The hold-up alarm is released by entering a valid code reducing the last digit by one, e.g. default master code 12345, hold-up code 12344. If the code ends in 0 (e.g. 12340), the hold-up code ends in 9 (e.g. 12349))
- Automatic abort on disarming (enables the code for the automatic block of the alarm call cycles of all the active telephone channels and those waiting upon disarming of the system)
- Manual general abort (enables the code for the block of the alarm call cycles of all the active telephone channels and those waiting entering the master code again and pressing CL-EX on the console once the system has been disarmed)
- Disabling remote arming/disarming by telephone (**disables** the code from arming/disarming of the programs by telephone)
- Disabling direct arming/disarming (**disables** the code from direct arming/disarming, i.e. pressing # (hash) for simultaneous arming of all the programs enabled)
- Disabling exclusion (**disables** the code from the exclusion of zones (manual or automatic) upon arming. In case of arming in presence of open zones, these are activated and release the alarm.)

On the display is viewed current programming:

- [-] Function disabled
- [#] Function enabled

Commands available

- to select the function
- to enable the function
- to disable the function
- CL-EX** to confirm and quit

3.1.7.2 STANDARD USER CODES

The control panel recognizes up to 20 standard user codes to be used for arming/disarming or bypass of the programs associated.
The standard user codes have the same length as the master code and they can be enabled for arming of the system using the programs analogously to the master code.

SELECTION OF THE CODE

to select the code to be programmed (1 to 20)
 to confirm the selection

In the standard user code menu the following parameters can be programmed:

- Code (programming of the code)
- Access periods (association of the access periods (de 1 a 8) during which the selected code is enabled, i.e. recognized by the control panel)
- Programs (association of the programs (1 to 32) the selected code is to act on)
- Attribute (programming of the function of the code)

CODE

According to programming effected by the installer it is possible to program a code of 4, 5 or 6 digits.

Commands available

to delete an existing code
 ... to program the standard user code
 CL-EX to confirm and quit

ACCESS PERIODS

The access periods (1 to 2) limit the period of recognition of the code selected by the control panel. Outside the access periods associated, the entering of the code will have no effect.

On the display is viewed current programming:

[] Access period not associated to the code selected
[#] Access period associated to the code selected

Commands available

to select the access period
 to associate the access period to the code selected
 to undo the association
 CL-EX to confirm and quit

PROGRAMS

The association code-programs determines the programs (1 to 4) the code is to act on, i.e. the programs it may arm/disarm or partset.

On the display is viewed current programming:

[] Program not associated to the code selected
[#] Program associated to the code selected

Commands available

to select the program
 to associate the program to the code selected
 to undo the association
 CL-EX to confirm and quit

ATTRIBUTE

The following functions can be programmed:

- Bypass (enables the code for the bypass of the programs associated)
- Bypass general alarms (enables the code for arming of the system in presence of general alarms, i.e. tamper, low battery, power failure, supervision, trouble modules)
- Hold-up (enables the code for the release of a silent alarm in case of hold-up
The hold-up alarm is released by entering a valid code reducing the last digit by one, e.g. standard user code 11115, hold-up code 11114. If the code ends in 0 (e.g. 11110), the hold-up code ends in 9 (e.g. 11119))
- Automatic abort on disarming (enables the code for the automatic block of the alarm call cycles of all the active telephone channels and those waiting upon disarming of the system)
- Manual general abort (enables the code for the block of the alarm call cycles of all the active telephone channels and those waiting entering the master code again and pressing CL-EX on the console once the system has been disarmed)
- Disabling remote arming/disarming by telephone (**disables** the code from arming/disarming of the programs by telephone)
- Disabling direct arming/disarming (**disables** the code from direct arming/disarming, i.e. simultaneous arming/disarming of all the programs enabled for by pressing # (hash))

Codes
User codes 4

User codes
Code 01 1

Code 01
Code 1

Code 01
11111

Code 01
Acc. periods 2

Acc. periods
Period 01 [#]

Code 01
Programs 3

Programs
Program 01 [#]

Code 01
Attribute 4

- Disabling exclusion (**disables** the code from the exclusion of zones (manual or automatic) upon arming. In case of arming in presence of open zones, these are activated and release the alarm.)

On the display is viewed current programming:

[] Function disabled

[#] Function enabled

Commands available

- ☞  to select the function
- ☞  to enable the function
- ☞  to disable the function
- ☞ **CL-EX** to confirm and quit

3.1.8 PROGRAMMING OF THE KEYS

From the master programming menu select the submenu keys.

The control panel recognizes up to 16 electronic keys to be used for arming/disarming or bypass of the programs associated.

SELECTION OF THE KEY

- ☞  to select the key to be programmed (1 to 16)
- ☞  to confirm the selection

In the key menu the following parameters can be programmed:

- Access periods (association of the access periods (1 to 2) during which the key selected is to be enabled, i.e. recognized by the control panel)
- Programs (association of the programs (1 to 4 - **max. 3**) the code selected is to act on)
- Attribute (programming of the function of the key)
- Learning (reading of the code of the key).

Commands available

- ☞  to select the parameter to be programmed
- ☞  to confirm the selection

ACCESS PERIODS

The access periods (1 to 2) limit the period of recognition of the key selected by the control panel. Outside the access periods associated the introduction of the key will have no effect.

On the display is viewed current programming:

[] Access period not associated to the key selected

[#] Access period associated to the key selected

Commands available

- ☞  to select the access period
- ☞  to associate the access period to the key selected
- ☞  to undo the association
- ☞ **CL-EX** to confirm and quit

PROGRAMS

The association key-programs determines the programs (1 to 4) the key is to act on, i.e. the programs it may arm/disarm or partset.

On the display is viewed current programming:

[] Program not associated to the key selected

[#] Program associated to the key selected

Commands available

- ☞  to select the program
- ☞  to associate the program to the key selected
- ☞  to undo the association
- ☞ **CL-EX** to confirm and quit

ATTRIBUTE

The following functions can be programmed:

- Bypass (enables the key for the bypass of the programs associated)
- Bypass general alarms (enables the key for arming of the system in presence of general alarms, i.e. tamper, low battery, power failure, supervision, trouble modules)
- Confirmation of disarming (hold-up block, i.e. on disarming with electronic key a timer (programmable by the installer) is activated on rundown of which a hold-up alarm is released unless a valid user code is entered on one of the consoles connected)
- Automatic abort on disarming (enables the key for the automatic block of the alarm call cycles of all the active telephone channels and those waiting on disarming of the system)

Menu Keys	12
--------------	----

Keys Key 01	1
----------------	---

Key 01 Acc. periods	2
------------------------	---

Acc. periods Period 01	[#]
---------------------------	-------

Key 01 Programs	3
--------------------	---

Programs Program 01	[#]
------------------------	-------

Key 01 Attribute	4
---------------------	---

- Disabling exclusion (**disables** the key from the exclusion of zones (manually or automatically) upon arming. In case of arming in presence of open zones, these are activated and release the alarm.)

On the display is viewed current programming:

[] Function disabled

[#] Function enabled

Commands available

- ☞ [↑] [↓] to select the function
- ☞ [#] to enable the function
- ☞ [*] to disable the function
- ☞ **CL-EX** to confirm and quit

Key 01
Learning 5

Key 01
Learning [#]

Learning
Waiting



Learning
Completed

Menu
WL keys 13

WL keys
WL key 01 1

WL key 01
Acc. periods 1

Acc. periods
Period 01 [#]

LEARNING

Before it is recognized by the control panel, the key must be learnt. This process consists in storing the ID code of the device in the memory of the control panel.

On the display is viewed current programming:

[] Key not learnt (unknown)

[#] Key learnt (recognized)

Deletion of an existing key

Prior to learning of a new key, a possible existing one must be deleted by pressing:

- ☞ [#] **NO** to delete an existing key

LEARNING OF A NEW KEY

If the key selected has not yet been programmed (or the existing key has been deleted), the control panel is waiting.

On the display is viewed **Learning Waiting** and the third led on the key reader (yellow) is blinking.

- Insert the key to be learnt into the key reader
The code of the key is stored in the memory of the control panel. Once the process has been completed, on the display is viewed **Learning Completed** and the led becomes lit.
- Remove the key from the key reader
The led is switched off and the control panel returns to the key menu for programming of further electronic keys.

3.1.9 PROGRAMMING OF THE WIRELESS KEYS

From the master programming menu select the submenu wireless keys.

The control panel recognizes up to 16 wireless keys to be used for total arming/disarming, arming/disarming of the programs associated as well as activation/deactivation of a remote control. Every wireless key provides 3 programmable function keys.

SELECTION OF THE WIRELESS KEYS

- ☞ [↑] [↓] to select the wireless key to be programmed (1 to 16)
- ☞ [#] to confirm the selection

In the menu wireless keys the following parameters can be programmed:

- Access periods (association of the access periods (1 to 2) during which the wireless key selected is to be enabled, i.e. recognized by the control panel)
- Association function keys (association of arming/disarming of the programs (1 to 4) or the activation/deactivation of the remote controls (1 to 2) to the 3 function keys of the wireless keys)
- Attribute (programming of the function of the wireless key)
- Learning (storage of the code of the wireless key).

Commands available

- ☞ [↑] [↓] to select the parameter to be programmed
- ☞ [#] to confirm the selection

ACCESS PERIODS

The access periods (1 to 2) limit the period of recognition of the wireless key selected by the control panel. Outside the access periods associated pressing of the function keys of the wireless key will have no effect.

On the display is viewed current programming:

[] Access period not associated to the wireless key selected

[#] Access period associated to the wireless key selected

Commands available

- ☞ [↑] [↓] to select the access period
- ☞ [#] to associate the access period to the wireless key selected
- ☞ [*] to undo the association
- ☞ **CL-EX** to confirm and quit

WL key 01 2
Ass. buttons

Ass. buttons 1
Button 01

Button 01 3
Arm. program

Arm. program 1
Program 01

Button 01 6
ON/OFF rem ctrl

ON/OFF rem ctrl 1
Rem. ctrl 01

Rem. ctrl 01 3
Attribute

FUNCTION KEYS

Every wireless key provides 3 function keys freely associable to various functions.

SELECTION OF THE FUNCTION KEY

- to select the key to be programmed
- to confirm the selection

The following functions can be programmed:

- Deactivated (key not associated to any function)
- Total disarming (disarming of all the programs armed by this wireless key)
- Arming program (arming of the program associated)
- Disarming program (disarming of the program associated)
- Activation/deactivation remote control (inversion of status of the remote control associated, i.e. pressing the key the first time activates and the second time deactivates the wireless key)
- Activation remote control (activation of the function associated to the remote control associated)
- Deactivation remote control (deactivation of the function associated to the remote control associated)

On the display is viewed current programming:

- [] Function disabled
- [#] Function enabled

Commands available

- to select the function
- to enable the function
- to disable the function
- CL-EX** to confirm and quit

PROGRAM

The association function key-program determines the program (1 to 4) that is armed or disarmed on pressing of the function key selected.

Every key can be associated only one program to.

Commands available

- to select the program
- to associate the program to the key selected
- CL-EX** to confirm and quit

REMOTE CONTROL

The association function key-remote control determines the remote control (1 to 2) that is activated or deactivated on pressing of the function key selected.

Every key can be associated only one remote control to.

Commands available

- to select the remote control
- to associate the remote control to the key selected
- CL-EX** to confirm and quit

ATTRIBUTE

The following functions can be programmed:

- Bypass (enables the wireless key for the bypass of the program associated)
- Bypass general alarms (enables the code for arming of the system in presence of general alarms, i.e. tamper, low battery, power failure, supervision, trouble modules)
- Confirmation of disarming (hold-up block, i.e. on disarming with wireless key a timer (programmable by the installer) is activated on rundown of which a hold-up alarm is released unless a valid user code is entered on one of the consoles connected)
- Panic alarm (simultaneous pressing of the keys 2 and 3 of the wireless key selected causes release of a panic alarm)
- Automatic abort of disarming (enables the wireless key for the automatic block of the alarm call cycles of all the active telephone channels and those waiting on disarming of the system)
- Disabling exclusion (**disables** the wireless key for the exclusion of zones (manually or automatically) on disarming. In case of arming in presence of open zones, these are activated and release the alarm.)

On the display is viewed current programming:

- [] Function disabled
- [#] Function enabled

Commands available

- to select the function
- to enable the function

to disable the function
CL-EX to confirm and quit

WL key 01 4
Learning

WL key 01 []
Learning

Learning
Waiting

Learning
Completed

Menu 15
Consoles

Consoles
Console 01 ✓

Menu 16
Exclusion

Exclusion 1
Zones

LEARNING

Before it is recognized by the control panel, the wireless key must be learnt. This process consists in storing the ID code of the device in the memory of the control panel.

On the display is viewed current programming:

[] Wireless key not learnt (unknown)
[#] Wireless key learnt (recognized)

Deletion of an existing key

Prior to learning of a new wireless key, a possible existing one must be deleted by pressing:

NO to delete an existing wireless key

LEARNING OF A NEW KEY

If the wireless key selected has not yet been programmed (or the existing wireless key has been deleted), the control panel is waiting.

On the display is viewed **Learning Waiting**.

- Press the function key 1 for at least 10 seconds to initiate the process. During this period of time, the device transmits its ID code to the control panel. Once the process has been completed, on the display is viewed **Learning Completed**.

The control panel returns to the wireless key menu for programming of further wireless keys.

3.1.10 ENABLING OF THE CONSOLES

From the master programming menu select the submenu consoles. The control panel provides up to 32 consoles.

SELECTION OF THE CONSOLE

to select the console to be programmed (1 to 8)
 to confirm the selection

If the console has been installed correctly and is ready to work, besides the name the symbol ✓ (tick) is viewed.

Every console can be programmed individually with the following parameters:

- Quick arming (permits quick arming of the programs without code)
- Quick disarming (permits quick disarming of the programs without code)
- Panic (permits release of the panic alarm by pressing the arrow up/down key simultaneously)
- Quick menu (enables the console for the quick commands). It will then be possible to activate/deactivate the remote controls without code.

On the display is viewed current programming:

[] Function not associated to the console selected
[#] Function associated to the console selected

Commands available

to select the function
 to enable the function
 to disable the function
CL-EX to confirm and quit

3.1.11 EXCLUSION OF MODULES

From the master programming menu select the submenu exclusion.

It is possible to voluntarily exclude a device or a zone of the system (e.g. in case of detector fault):

- Zones (exclusion of the zones selected (1 to 20))
- Wireless keys (exclusion of the wireless keys selected (1 to 16))
- Consoles (exclusion of the consoles selected (1 to 8))
- Keypoints (exclusion of the secondary control units selected (1 to 8))
- Supervisory boards (exclusion of the supervisory boards selected (1 to 4))
- GSM telephone communicator (exclusion of the telephone communicator with GSM module)
- Modules (exclusion of the external input extension module)
- Wireless modules (exclusion of the wireless receiver selected (1 to 2))
- Control panel (exclusion of the control panel)

SELECTION OF THE DEVICE

to select the device/zone to be excluded
 to confirm the selection

Zones 4
Ctrl panel Z 4 [#]

On the display is viewed current programming:

[] Device active/zone active
[#] Device excluded/zone excluded

Commands available

- ☞ [↑][↓] to select the number of the device/zone to be excluded
- ☞ [#] to exclude the device/zone selected
- ☞ [*] to enable the device/zone selected
- ☞ **CL-EX** to confirm and quit

Menu 17
Test

3.1.12 FUNCTIONING TEST

From the master programming menu select the submenu test.

In the test menu the following tests can be initiated:

- Zone test (test of opening of the zone inputs)
- Indoor siren test (test of the indoor sirens)
- Outdoor siren test (test of the outdoor sirens)
- Version (viewing of the firmware version of the control panel)
- Led console (test of the leds of the consoles)
- GSM (test of the GSM telephone communicator)

Commands available

- ☞ [↑][↓] to select the test/viewing to be initialized
- ☞ [#] to initialize the test/viewing

Test 2
Zones

3.1.12.1 ZONE TEST

The zone test permits verifying of smooth functioning of the wired zone inputs and of the wireless zones.

On initiating the test, the control panel enters the wait mode and on the display is viewed **Zones** followed by three hyphens (- - -).

Pass by the detectors or open the contacts.

For every zone found open, the buzzer on the consoles sounds for approximately 2 seconds.

After the test, the open zones can be viewed in sequence by pressing:

- ☞ [↑][↓] to view the open zones

The test has no determined duration.

It is possible to interrupt the test at any time by pressing:

- ☞ **CL-EX** to interrupt the test and quit

Zones
- - -

Zones
Zone 25

Test 3
Indoor siren

3.1.12.2 INDOOR SIREN TEST

The indoor siren test permits the verification of smooth functioning of the sirens as well as of battery charge of the control panel battery.

On initiating the test, the indoor sirens are activated and powered by battery.

After the test, if battery charge is too low, the battery led starts blinking. Verify the battery of the control panel and if need be replace it.

The test takes 60 seconds.

It can be interrupted at any time by pressing:

- ☞ **CL-EX** to quit

Test 4
Outdoor siren

3.1.12.3 OUTDOOR SIREN TEST

The outdoor siren test permits verifying of smooth functioning of the sirens as well as of battery charge of the control panel battery.

On initiating the test, the outdoor sirens are activated and powered by battery.

After the test, if battery charge is too low, the battery led starts blinking. Verify the battery of the control panel and if need be replace it.

The test takes 60 seconds.

It can be interrupted at any time by pressing:

- ☞ **CL-EX** to quit



WARNING

During the test, the wireless sirens behave according to programming, i.e. deactivated, sounding only, flashing light only, sounding and flashing light.

The sounding or flashing time programmed, however, is not considered during the test that has a fix duration of 60 seconds unless it is interrupted by pressing **CL-EX**.

Test Version 5

(c) Tecnoalarm
TP420 v.0.2 ESP

Test Led console 7

Led console

Test GSM 8

GSM v. 0.1

GSM Communication ok

Menu Options 19

Options Remote acc. [#]

Options Protocol

Protocol Software

3.1.12.4 VIEWING OF THE FIRMWARE VERSION

On initiating the option, in the second line of the display appears the version and the language of the firmware of the control panel.

3.1.12.5 FUNCTIONING TEST OF THE LEDS OF THE CONSOLES

On initiating the option, all the led of the consoles connected are lit.
If the led are ok, they are lit.
The led that are off, are burnt.

3.1.12.6 FUNCTIONING TEST OF THE GSM TELEPHONE COMMUNICATOR

On initiating the option, in the second line of the display appear alternately the version of the firmware of the GSM telephone communicator and the diagnostic of the communication with the control panel.
The led of the GSM telephone communicator show signal power.

3.1.13 CONTROL PANEL OPTIONS

From the master programming menu select the submenu options.
In the option menu the following parameters can be programmed:

- Remote access (enabling of remote programming and monitoring by the installer)
- Protocol (enabling of the communication protocol)

Commands available

- ☞  to select the option
- ☞  to confirm the selection
- ☞ **CL-EX** to confirm programming and quit

3.1.13.1 ENABLING OF REMOTE ACCESS

It is possible to enable the control panel so that the installer may accede to the system using the monitoring station in order to modify programming and monitor the system.
On the display is viewed current programming:

- [] Remote access disabled
- [#] Remote access enabled

Commands available

- ☞  to enable remote access
- ☞  to disable remote access
- ☞ **CL-EX** to confirm and quit

3.1.13.2 PROTOCOL

Permits to select one of the following communication protocols (usually software):

- Software (standard communication with the monitoring station)
- Ethernet (communication with the ethernet interface PROG NET)

3.2 STANDARD USER MENU

ACCESS TO THE STANDARD USER MENU			
Mon 19 JUN 06 Work. 10:45	USER CODE (e.g. code 1 11111)	<div style="display: flex; justify-content: space-around;"> 1 </div>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">- Access - User 01</div> <div style="margin-left: 20px;">LED CM on</div> </div>
STANDARD USER MENU			
1	ARMING/DISARMING PROGRAM 1 *	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Arming Program 1</div> <div style="margin-left: 20px;">Program LED blinking</div> </div>
2	ARMING/DISARMING PROGRAM 2 *	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Arming Program 2</div> <div style="margin-left: 20px;">Program LED blinking</div> </div>
3	ARMING/DISARMING PROGRAM 3 *	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Arming Program 3</div> <div style="margin-left: 20px;">Program LED blinking</div> </div>
4	ARMING/DISARMING PROGRAM 4 *	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Arming Program 4</div> <div style="margin-left: 20px;">Program LED blinking</div> </div>
#	TOTAL ARMING (ALL PROGRAMS ASSOCIATED) WITH ZONE EXCLUSION	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Arming Ctrl panel OK</div> <div style="margin-left: 20px;">All program LED blinking</div> </div>
*	TOTAL DISARMING (ALL PROGRAMS ASSOCIATED)	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Mon 19 JUN 06 Work. 10:45</div> <div style="margin-left: 20px;">All program LED off</div> </div>
MEM	CONSULTATION OF THE EVENT BUFFER	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Viewing Events</div> </div>
MEM CL-EX	RESET OF ALARM MEMORY SIGNALING	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Mon 19 JUN 06 Work. 10:45</div> </div>
CL-EX	BLOCK OF THE TELEPHONE CHANNELS	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Abort Telephone? * NO # YES</div> </div>
↓ ↑	ACCESS TO THE STANDARD USER PROGRAMMING MENU	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Menu Rem. ctrl 1</div> </div>

* IF THE PROGRAM HAS BEEN ASSOCIATED TO THE CODE ONLY

STANDARD USER PROGRAMMING MENU

↓ ↑	ACCESS TO THE STANDARD USER PROGRAMMING MENU	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Menu Rem. ctrl 1</div> </div>
STANDARD USER PROGRAMMING MENU			
↓ ↑	REMOTE CONTROLS	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Menu Rem. ctrl 1</div> </div>
↓ ↑	CLOCK	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Menu Clock 2</div> </div>
↓ ↑	TELEPHONE	>>>>>	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">Menu Telephone 10</div> </div>

- ACCESS -
User 01

Menu Rem. ctrl 1

ACCESS TO THE STANDARD USER PROGRAMMING MENU

In stand-by, i.e. all the programs of the control panel are disarmed and the date and the time are viewed on the display of the LCD console, enter the standard user menu by entering the code (e.g. standard user code 1), e.g.:

☞ [1][1][1][1][1]

On the display is viewed **ACCESS User 01**.

To enter and navigate the standard user programming menu, press the keys:

☞ [↑][↓]

To enter the submenu selected, press:

☞ [#]



WARNING

While a console is in use, all the other consoles of the system are disabled and view **Waiting**.

Commands available

☞ [↑][↓] to select the submenu

☞ [#] to enter the submenu selected

☞ **CL-EX** to confirm programming and quit

3.2.1 ACTIVATION/DEACTIVATION OF THE REMOTE CONTROLS

Menu Rem. ctrl 1

Rem. ctrl 1 Activation []

SELECTION OF THE REMOTE CONTROL

☞ [↑][↓] to select the remote control (1 to 2)

☞ [#] to confirm the selection

On the display is viewed the current status:

[] Remote control deactivated (in stand-by)

[#] Remote control active

Commands available

☞ [#] to activate the remote control selected

☞ [*] to deactivate the remote control selected

☞ **CL-EX** to confirm and quit

3.2.2 CLOCK SETTING

Menu Clock 2

Fri 30 JAN 04
Work. 11 : 15

From the standard user programming menu select the submenu clock.

Commands available

☞ [↑][↓] to select the parameter to be modified

☞ [0]...[9] to program the date and the time

☞ **CL-EX** to confirm and quit

3.2.3 PARAMETERIZATION OF THE TELEPHONE SECTION

Menu Telephone 10

Telephone Channel A 3

Channel A First number 1

First number
011555666677777

From the standard user programming menu select the submenu telephone.

The standard user is merely entitled to program the telephone channels. The control panel supplies 8 independent telephone channels (A...H).

For every channel it is possible to program 2 telephone numbers, one principal that is always called first and one reserve number that is only called if the line is busy or if there is no answer. The control panel makes 4 attempts per channel alternating the principal and the reserve number.

SELECTION OF THE CHANNEL

☞ [↑][↓] to select the telephone channel to be programmed

☞ [#] to confirm the selection

The following parameters can be programmed:

- Principal number (max. 15 digits)
- Reserve number (max. 15 digits)

TELEPHONE NUMBERS

Select the telephone number to be programmed by pressing:

☞ [↑][↓] to select the telephone number to be programmed

☞ [#] to confirm the selection

Commands available

☞ [↑][↓] to delete the last digit

☞ [0]...[9] to program the telephone number

☞ [#][*] to program the DTMF symbols # (hash) and * (star) inside the number

☞ **MEM** to program a pause

☞ **CL-EX** to confirm and quit

4. CONTROL BY CONSOLE

The control panel can be controlled and programmed using the LCD consoles (LCD020 and LCD012) and piloted through LED console (LED06) by different operators using different access codes.

Every code is enabled to accede to a specific operating level of the control panel.

The system distinguishes the following codes:

- 1 installer code (default 54321)
The installer code is reserved to the installer and gives access to the installer menu (see chapter 5).



WARNING

If the control panel is armed, the installer will not be able to execute any programming by console, i.e. he will not be given access to the installer programming menu (access denied).

- 1 master code (default 12345)
The master code is generally reserved to the owner of the system and gives access to the master programming menu as well as the standard functions of arming/disarming and bypass.

ACCESS TO THE MASTER MENU

Mon 19 JUN 06
Work. 10:45

MASTER CODE
(default code 12345)

1

2

3

4

5

- Access -
Master

LED CM
on

MENU MASTER

1	ARMING/DISARMING PROGRAM 1		Arming Program 1	Program LED blinking
2	ARMING/DISARMING PROGRAM 2		Arming Program 2	Program LED blinking
3	ARMING/DISARMING PROGRAM 3		Arming Program 3	Program LED blinking
4	ARMING/DISARMING PROGRAM 4		Arming Program 4	Program LED blinking
#	TOTAL ARMING (ALL PROGRAMS) WITH ZONE EXCLUSION		Arming Ctrl panel OK	All program LED blinking
*	TOTAL DISARMING (ALL PROGRAMS)		Mon 19 JUN 06 Work. 10:45	All program LED off

CONSULTATION OF THE EVENT BUFFER

MEM	CONSULTATION OF THE EVENT BUFFER		Viewing Events
MEM CL-EX	RESET OF ALARM MEMORY SIGNALING		Mon 19 JUN 06 Work. 10:45
CL-EX	BLOCK OF THE TELEPHONE CHANNELS		Abort Telephone? * NO # YES

ACCESS TO THE MASTER PROGRAMMING MENU

	ACCESS TO THE MASTER PROGRAMMING MENU		Menu Rem. ctrl 1
--	---------------------------------------	--	---------------------



WARNING

The user who holds the master code can always act on all the programs of the system.

- 20 standard user codes (default 00000)
Every code can be enabled individually for arming/disarming or bypass of determined programs.

ACCESS TO THE STANDARD USER MENU

Mon 19 JUN 06 Work. 10:45	USER CODE (e.g. code 1 11111)	<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px 5px;">1</div> </div> <div style="text-align: right; margin-top: 5px;"> </div>	- Access - User 01	LED CM on
------------------------------	---	---	-----------------------	--------------

STANDARD USER MENU

1	ARMING/DISARMING PROGRAM 1 *		Arming Program 1	Program LED blinking
2	ARMING/DISARMING PROGRAM 2 *		Arming Program 2	Program LED blinking
3	ARMING/DISARMING PROGRAM 3 *		Arming Program 3	Program LED blinking
4	ARMING/DISARMING PROGRAM 4 *		Arming Program 4	Program LED blinking
#	TOTAL ARMING (ALL PROGRAMS ASSOCIATED) WITH ZONE EXCLUSION		Arming Ctrl panel OK	All program LED blinking
*	TOTAL DISARMING (ALL PROGRAMS ASSOCIATED)		Mon 19 JUN 06 Work. 10:45	All program LED off

CONSULTATION OF THE EVENT BUFFER

MEM	CONSULTATION OF THE EVENT BUFFER		Viewing Events	
MEM	RESET OF ALARM MEMORY SIGNALING		Mon 19 JUN 06 Work. 10:45	
CL-EX	BLOCK OF THE TELEPHONE CHANNELS		Abort Telephone? * NO # YES	

ACCESS TO THE STANDARD USER PROGRAMMING MENU

<div style="display: flex; justify-content: space-around;"> <div style="border: 1px solid black; padding: 2px 5px;">↓</div> <div style="border: 1px solid black; padding: 2px 5px;">↑</div> </div>	ACCESS TO THE STANDARD USER PROGRAMMING MENU		Menu Rem. ctrl 1	
--	---	--	---------------------	--

* IF THE PROGRAM HAS BEEN ASSOCIATED TO THE CODE ONLY

4.1 ARMING

The control panel can be armed through the programs (1 to 4) in one of the following ways:

- with master code or standard user code enabled for the program in question
- with quick arming command
- with contact connected to a key zone
- automatically by timer

The programs group the zones (1 to 20) to be activated, i.e. enabled for the detection of alarms, simultaneously upon arming of the program. The programs can be armed one at a time (single arming) or simultaneously (multiple arming).

Common zones (if multiple arming is enabled only)

If a zone is included in several programs and is defined common zone, it is enabled for the detection of alarms only when all the programs it is included in are armed.

Example: if a system is used by two apartments that share the same entrance zone, the owners of the apartments can arm the proper part of the system independently through the program/s associated to it and with the proper user codes. The common zone (entrance), however, is activated only if the programs of both apartments it is included in are armed simultaneously.

The system distinguishes two types of consoles:

- LCD020 LCDconsole program-oriented
- LCD012 LCD console zone-oriented
- LED06 LED console zone-oriented

Todas las tres consolas permiten la conexión/desconexión y la parcialización de los 4 programas. Además, permiten la conexión con exclusión de las zonas abiertas.

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Work. 11 : 15

OPEN ZONES
None

OPEN ZONES
Zone 2

CHECK SYSTEM STATUS

Prior to arming of the control panel, when the control panel is in stand-by, always check the status of the zones (detectors) pressing # (hash):

🔊 # (YES)

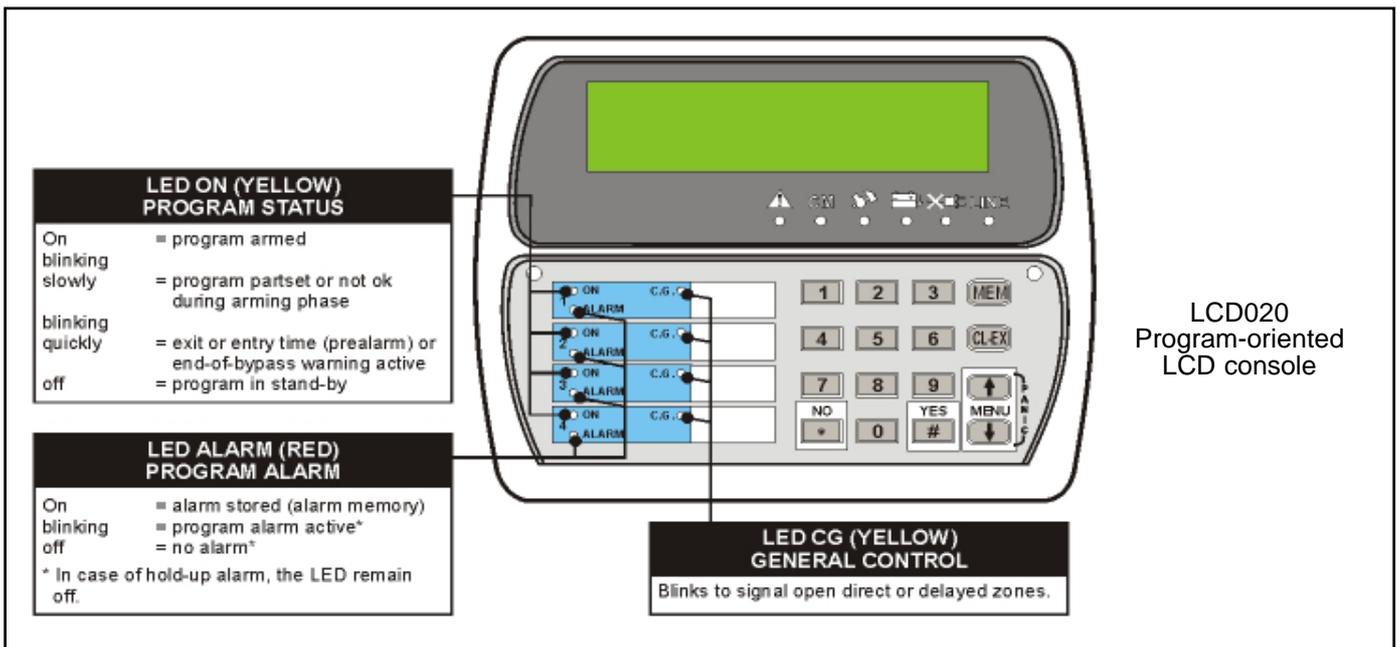
On the display (LCD020 and LCD012) are viewed the zones that result open in sequence with an interval of approx. 2 seconds between one another. After scanning of the zones the control panel returns to stand-by.



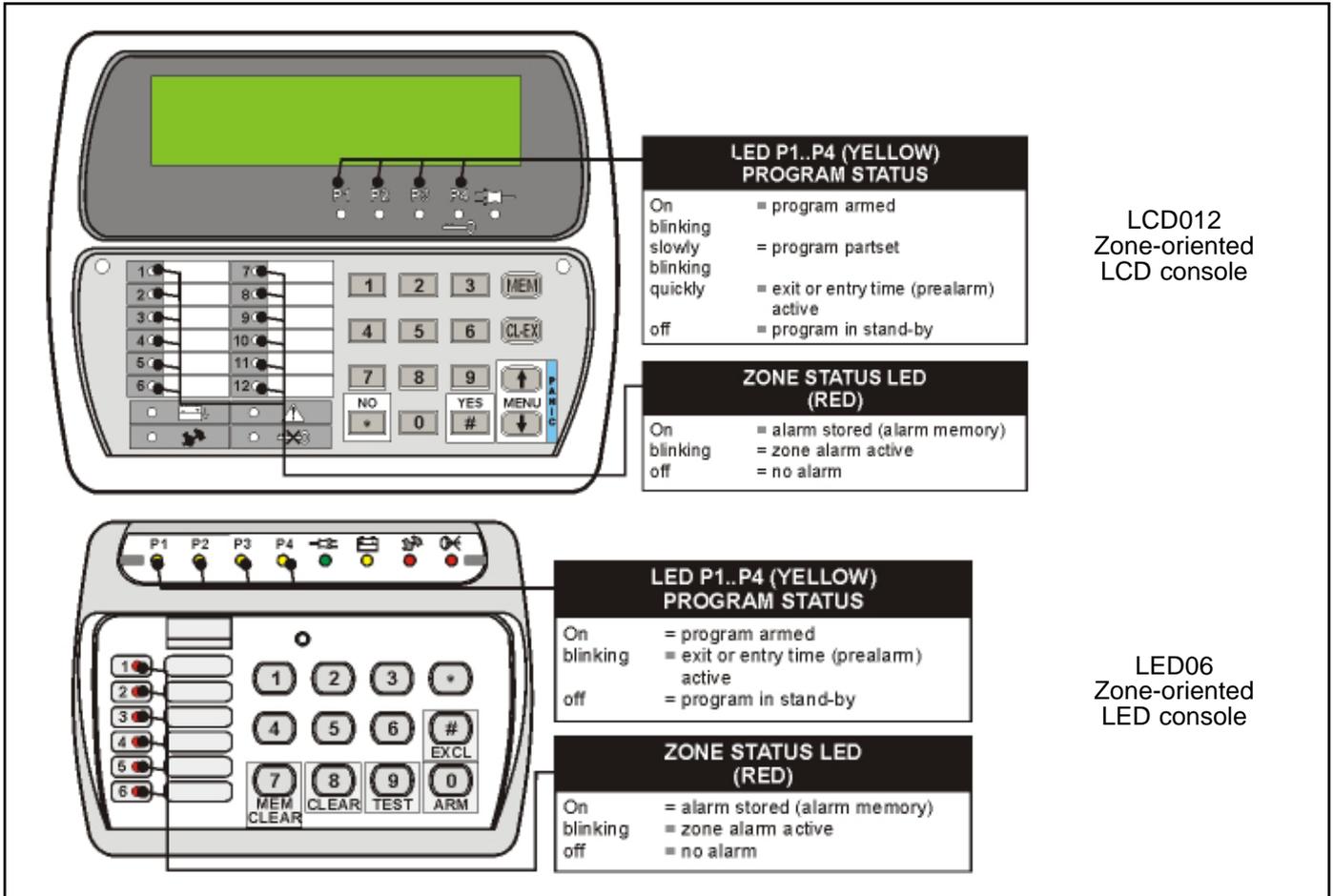
WARNING

On arming of the program in presence of open zones, the alarm devices programmed (sirens/logic outputs/telephone channels) are activated unless the open zones are excluded with a procedure explained later on.

VIEWING OF SYSTEM STATUS



LCD020
Program-oriented
LCD console



4.1.1 ARMING WITH MASTER CODE

- ACCESS -
Master

Arming
Program x

Enter the master code (default code 12345), e.g.:

☞ 1 2 3 4 5

During the 10 seconds to come, it is possible to select the programs to be armed/disarmed (pressing the program number the first time the program is selected, pressing it the second time it is deselected).

On every keystroke the counter is reset.

Select the programs to be armed, e.g.:

☞ 1 2

Once the programs have been selected, for 10 seconds, on the display is viewed **Arming** followed by the number/name of the programs selected.

The leds corresponding to the programs selected start blinking.

ZONE EXCLUSION TIME

For 10 seconds after selecting the programs, it is possible to exclude manually some of the zones from the detection of alarms with a procedure explained later on.

If you do not wish to exclude any zone, it is possible to confirm the selection without awaiting the expiry of the zone exclusion time by pressing # (hash):

☞ #



WARNING

To abort arming of the programs selected press CL-EX (LCD020 and LCD012). The process is aborted and the control panel returns to stand-by.

EXIT TIME

The zones defined as delayed, upon arming observe the exit time programmed by the installer.

If the programs selected contain delayed zones, on expiry of the zone exclusion time the exit time is to follow. The programs in question are only armed on its expiry.

On expiry of the exit time, the program leds become lit and remain lit until disarming of

**Arming
Ctrl panel OK**

these programs.
On condition that there are no open zones and arming has been completed correctly, on the display is viewed **Arming ctrl panel OK**.

If the programs selected do not contain delayed zones, on expiry (or abort) of the zone exclusion time, the programs in question are armed and the corresponding program leds become lit immediately.

**OPEN ZONES
Zone xxx**

4.1.1.1 EXCLUSION OF OPEN ZONES

After selecting the programs to be armed, during the 10-seconds zone exclusion time, if there are open zones (direct or delayed type 2), these are viewed in sequence on the display (LCD020 and LCD012).

A zone may result open for instance in case of fault of the detector connected. To arm the programs selected excluding the open zones, press:

The zones remain excluded until disarming of the program. They are activated automatically again the next time the program is armed.

ZONES EXCLUDED



WARNING

If the open zones are not excluded, on expiry of the zone exclusion time (and perhaps the exit time) the programs are armed and the open zones are activated. En consecuencia, se activa la alarma.

**Arming
Program x**

4.1.1.2 VOLUNTARY EXCLUSION OF ZONES

After selecting the programs to be armed, during the 10-seconds zone exclusion time, it is possible to exclude some of the zones voluntarily from the detection of alarms.

Select the zones to be excluded pressing:

   to select the zones to be excluded

On the display are viewed in sequence all the zones included in the programs selected.

Exclude the zone selected pressing:

  to exclude the zone selected

Select another zone to be excluded with the keys arrow up and arrow down or exclude sequential zones pressing repeatedly # (hash).

**EXCLUDE ? with #
Zone xxx**



WARNING

The zones defined as NOT EXCLUDIBLE are not listed. If a zone is already excluded it does not appear in the list either.

Once you have excluded all the zones you wanted to exclude, it is possible to confirm the exclusion and proceed with arming without awaiting expiry of the zone exclusion time by pressing:

 **CL-EX** to confirm the exclusion and abort the zone exclusion time

If all the zones are excluded, the process is stopped automatically.

IMMEDIATE CONFIRMATION OF ARMING

The zone exclusion time stops approximately after 10 seconds from the exclusion of the last zone.

It is possible to abort the wait and obtain immediate arming by pressing:

The zones remain excluded until disarming of the program. They are activated automatically again the next time the program is armed.

**- ACCESS -
Master**

4.1.1.3 TOTAL ARMING

After entering the master code and during the 10 seconds destined for the selection of the programs, it is possible to obtain total arming, i.e. arming of all the programs by pressing:

  to arm all the programs

The control panel initiates the zone exclusion time.

The corresponding program leds start blinking.

**Arming
Program x**



WARNING

The programs that are already armed are not influenced.
To abort arming of the programs selected press CL-EX (LCD020 and LCD012). The process is aborted and the control panel returns to stand-by.

- ACCESS -
User 01

Arming
Program x

- ACCESO -
Usuario 01

Arming
Program x

4.1.2 ARMING WITH STANDARD USER CODE

Whereas the master code is always enabled for all the programs, the user codes control merely those programs they have been enabled for by the installer or the holder of the master code.

Enter the user code appropriately programmed, e.g. standard user code number 1:

☞ 1 1 1 1 1

For the 10 seconds to come, it is possible to select the programs to be armed/disarmed (pressing the program number once the program is selected, pressing it again the program is deselected).

On every keystroke the counter is reset.

Select the programs to be armed, e.g.:

☞ 1 2

Proceed as for arming with master code.

4.1.2.1 TOTAL ARMING

After entering the standard user code and during the 10 seconds destined for the selection of the programs, it is possible to obtain total arming, i.e. arming of all the programs by pressing:

☞ # to arm all the programs

The control panel initiates the zone exclusion time.

The corresponding program leds start blinking.

4.1.3 QUICK ARMING (IF ENABLED)

It is possible to speed up the arming process by pressing the * (star) key followed by the program number, e.g.:

☞ * 1

☞ * 2

Repeat the command for all the programs to be armed.



WARNING

Quick arming is only permitted through those consoles that have been programmed appropriately by the installer.

It is not permitted in case of trouble/general alarm or fault (low battery, power failure etc.). At the attempt at doing so, on the display is viewed **! ARM. DENIED !** followed by the kind of alarm.

4.1.4 ARMING THROUGH KEY ZONE

The control panel can be armed through a contact connected to a zone programmed by the installer as key zone.

Every time the contact is opened, all the programs that contain the key zone are armed.



WARNING

La conexión mediante zona llave es directa, es decir la exclusión de zonas **no** es posible.

No está permitida en caso de anomalía/alarma general o fallo (batería baja, falta de red etc.). Al intentarlo, en el display se visualiza **! CON. NEGADA !** seguido del tipo de alarma activa.

EXIT TIME

The zones defined as delayed, upon arming observe the exit time programmed by the installer.

If the programs selected contain delayed zones, on expiry of the zone exclusion time the exit time is to follow. The programs in question are only armed on its expiry.

On expiry of the exit time, the program leds become lit and remain lit until disarming of these programs.

If the programs selected do not contain delayed zones, on expiry (or abort) of the zone exclusion time, the programs in question are armed and the corresponding program leds become lit immediately.

4.1.5 AUTOMATIC ARMING

The control panel can be armed automatically using the 4 timers. Therefore, it is possible to schedule the arming of determined programs with a determined frequency and at a determined time.

Arming
automatic

WARNING OF AUTOMATIC ARMING

At the time and for the period of time programmed by the installer, a warning of imminent automatic arming is viewed on the display and the program leds on the console blink.

According to programming, the buzzers of the consoles are activated, too.

EXIT TIME

The zones defined as delayed upon arming observe an exit time programmed by the installer.

If the programs selected contain delayed zones, on expiry of the zone exclusion time the exit time is to follow. The programs in question are only armed on its expiry.

Once the exit time has expired, the program leds become lit and remain lit until disarming of these programs.

If the programs selected do not contain delayed zones, the programs in question are armed immediately on disappearance of warning of automatic arming.



WARNING

Automatic arming is direct, i.e. the exclusion of zones is **not** possible. It is **always** executed even in presence of trouble/general alarm or fault (low battery, power failure etc.).

ABORT OF AUTOMATIC ARMING

Automatic arming can be aborted in the following way:

- ☞ Enter the master code
- ☞ Select the timer menu
- ☞ Select the timer to be blocked



WARNING

Automatic arming can only be aborted by the holder of the master code.

4.1.6 ARMING DURING THE ACCESS PERIODS

It is possible to define up to 2 access periods of the codes. As a consequence, the codes are enabled for arming and disarming during the access periods associated by the installer or the holder of the master code only.



WARNING

Outside the access periods associated the codes are not accepted by the control panel and any attempt at acceding to the system will have no effect. When trying to do so, on the display is viewed **ACCESS ! DENIED !**.

**! ARM. DENIED !
LOW BATTERY**

4.1.7 ARMING DENIED

In the presence of trouble/general alarm arming is not permitted with:

- Code (master or standard user) unless it is enabled for the bypass of general alarms
- Quick arming command
- Key zone

On the attempt at doing so, on the display is viewed **! ARM. DENIED !** followed by the kind of alarm.

Remove the reason of alarm or use a code enabled for the bypass of general alarms.

4.2 DISARMING

The control panel can be disarmed through the programs (1 to 4) in one of the following ways:

- with master code or standard user code enabled for the program in question
- with quick disarming command
- with contact connected to a key zone
- automatically by timer

4.2.1 DISARMING WITH MASTER CODE

Enter the master code (default code 12345), e.g.:

☞ 1 2 3 4 5

For the 10 seconds to come, it is possible select the programs to be armed/disarmed (pressing the program number once the program is selected, pressing it again the program is deselected).

On every keystroke the counter is reset.

Select the programs to be disarmed, e.g.:

☞ 1 2

For 10 seconds, on the display is viewed **Disarm.** followed by the number/name of the programs selected. The corresponding program LED are switched off.

It is possible to confirm the selection and abort the 10-seconds wait by pressing:

☞ #

- ACCESS -
Master

Disarm.
Program x



WARNING

To abort disarming of the programs selected, press the CL-EX key (LCD020 and LCD012). The process is aborted and the programs previously armed remain such.

4.2.1.1 TOTAL DISARMING

After selecting the master code and during the 10 seconds destined for the selection of the programs it is possible to obtain total disarming, i.e. disarming of all the programs by pressing:

☞ * to disarm all the programs

The corresponding program LED are switched off and the control panel returns to stand-by.

4.2.2 DISARMING WITH STANDARD USER CODE

Whereas the master code is always enabled for all the programs, the standard user codes merely control the programs they have been enabled for by the installer or the holder of the master code.

Enter a user code appropriately programmed, e.g. standard user code number 1:

☞ 1 1 1 1 1

For the 10 seconds to come, it is possible to select the programs to be armed/disarmed (pressing the program number once the program is selected, pressing it again the program is deselected).

On every keystroke the counter is reset.

Select the programs to be disarmed, e.g.:

☞ 1 2

Proceed as for arming with master code.

4.2.2.1 TOTAL DISARMING

After entering the user code and during the 10 seconds destined for the selection of the programs it is possible to obtain total disarming, i.e. disarming of all the programs by pressing:

☞ * to disarm all the programs

The corresponding program LED are switched off and the control panel returns to stand-by.

4.2.3 DISARMING UNDER DURESS (IF ENABLED)

In case of hold-up and/or disarming under duress it is possible to simulate disarming of the system and release simultaneously a hold-up alarm.

For this enter the master code or a standard user code (enabled for the programs armed) reducing the last digit by one unit, e.g. master code (default code 12345):

☞ 1 2 3 4 4

The control panel is apparently disarmed, i.e. all the program LEDs are switched off,

- ACCESS -
User 01

and if programmed appropriately by the installer, the logic outputs OUT1 or OUT2 of the CPU board and all the modules connected and a telephone call for hold-up alarm are activated.



WARNING

The hold-up alarm does not generate any signaling, neither by the control units nor by the sirens. The event is stored in the event buffer of the control panel. If the code ends in 0 (e.g. 43670), the hold-up code ends in 9, so 43679.

4.2.4 QUICK DISARMING (IF ENABLED)

It is possible to speed up the disarming process by pressing the key * (star) followed by the program number, e.g.:

 * 1

 * 2

Repeat the command for all the programs to be disarmed.

4.2.5 DISARMING THROUGH KEY ZONE

The control panel can be disarmed through a contact connected to a zone programmed by the installer as key zone. Every time the contact is opened, all the programs that contain the key zone are disarmed.

4.2.6 AUTOMATIC DISARMING

The control panel can be disarmed automatically using the 4 timers. Therefore, it is possible to schedule the disarming of determined programs with a determined frequency and at a determined time.

At the time programmed the timer disarms the programs associated.

4.2.7 DISARMING DURING THE ACCESS PERIODS

It is possible to define up to 2 access periods of the codes. As a consequence, the codes are enabled for arming and disarming during the access periods associated by the installer or the holder of the master code only.



WARNING

Outside the access periods associated the codes are not accepted by the control panel and any attempt at acceding to the system will have no effect. When trying to do so, on the display is viewed **ACCESS ! DENIED !**.

4.3 BYPASS

When the control panel is armed, it is possible to deactivate temporarily part of the system. Upon activation of the bypass, the zones enabled for bypass and included in the program/s armed and partset are deactivated. The other zones are not affected.

The exclusion of zones persists until deactivation of bypass or disarming of the programs they are included in.

4.3.1 ACTIVATION OF BYPASS WITH CODE

Act. bypass
Program 1

Enter a code enabled for bypass (master or standard user code enabled for the programs armed) followed by the number of the program to be partset, e.g.:

☞ 6 6 7 7 8
☞ 1

On the display is viewed **Act. bypass** followed by the program partset.

For the time the bypass is active the corresponding program led is blinking.



WARNING

The zones excluded are those associated to the bypass function and included in the program/s selected.

4.3.2 AUTOMATIC ACTIVATION OF BYPASS

The control panel can be partset automatically using the 4 timers. Therefore, it is possible to schedule the activation of bypass with a determined frequency and at a determined time acting on determined programs.

At the time programmed the timer partsets the programs associated.

4.3.3 ACTIVATION OF BYPASS DURING THE ACCESS PERIODS

It is possible to define up to 2 access periods of the codes. As a consequence, the codes are enabled for bypass during the access periods associated by the installer or holder of the master code only.



ATENCION

Outside the access periods associated the codes are not accepted by the control panel and any attempt at accessing to the system will have no effect.

When trying to do so, on the display is viewed **ACCESS ! DENIED !**.

4.3.4 DEACTIVATION OF BYPASS WITH CODE

Enter a code enabled for bypass (master or standard user enabled for the programs armed) followed by the number of the program to be reactivated in its integrity, e.g.:

☞ 6 6 7 7 8
☞ 1

Deact. bypass
Program 1

On the display is viewed **Deact. bypass** followed by the program to be reactivated in its integrity.

The led of the program previously partset becomes lit.

4.3.5 AUTOMATIC DEACTIVATION OF BYPASS

The bypass can be deactivated automatically using the 4 timers. Therefore, it is possible to schedule the deactivation of the bypass with a determined frequency and at a determined time acting on determined programs.

At the time programmed the timer deactivates the bypass and reactivates the programs associated in their integrity.

WARNING OF IMMINENT AUTOMATIC ARMING

Arming
Automatic

At the time and for the period of time programmed by the installer on the display is viewed a warning of imminent automatic arming and blink the program leds on the console.

According to programming, the buzzers of the consoles are activated, too.

4.3.6 DEACTIVATION OF BYPASS ON EXPIRY OF THE MAXIMUM BYPASS TIME

If a maximum bypass time has been programmed by the installer, on expiry of this time, the bypass is automatically deactivated.

WARNING OF IMMINENT ARMING

For a period of time programmed by the installer before expiry of the maximum bypass time, on the display is viewed a warning of imminent arming due to expiry of maximum bypass time and the program leds on the console become lit. According to programming, the buzzers of the consoles are activated, too.

Arming
Deact. bypass

4.4 RELEASE OF PANIC ALARM

In case of danger the user can release a panic alarm by pressing the keys arrow up and arrow down (↑ ↓) on the console simultaneously even if the control panel is in stand-by.

If programmed accordingly, the control panel activates a call for panic alarm.

4.5 RELEASE OF FALSE CODE ALARM



WARNING

The alarm is released if 32 keys are pressed without entering a valid code. In case of false code alarm, the buzzers of all the consoles connected are activated for 30 seconds and the console that has released the alarm is disabled for 2 minutes. To stop the alarm, enter a valid code (master or standard user) on any other console.

4.6 VIEWING OF ZONE STATUS

To check zone status if the control panel is in stand-by press # (hash):

☞ #

On the display (LCD020 and LCD012) the open zones are viewed in sequence with an interval of approximately 2 seconds between one and the next (see paragraph 4.1). After scanning of the zones the control panel returns to stand-by.

4.7 ABORT OF TELEPHONE CALLS

4.7.1 MANUAL ABORT OF THE TELEPHONE CALLS

During a telephone call, to stop manually the active alarm call cycle and those waiting enter a code enabled for the manual abort of the telephone calls (master or one of the first 9 standard user codes) followed by the key CL-EX, e.g. master code (default code 12345):

☞ 1 2 3 4 5 CL-EX

Commands available

☞ #

to block the telephone calls

☞ *

to abort the block of the telephone calls and quit

Abort telephone?
* NO # YES



WARNING

The abort of the telephone calls is only permitted with master code or one of the first 9 standard user codes. The abort command stops all the active alarm calls cycles as well as those waiting. The abort of the telephone calls is not permitted in case of hold-up alarm. In this case, the cycle continues uninterrupted.

4.8 RESET OF LED SIGNALING

Once the alarm has been stopped, the alarm leds become lit indicating that the alarm has been recognized and the alarm calls programmed have been executed, and that the alarm has been stored in the event buffer. Alarm memory signaling persists when the control panel is put into stand-by.

On the other hand, blinking leds indicate the presence of active alarms, or active alarm call cycles or persisting alarms, e.g. low battery or power failure.



WARNING

Even though alarm memory signaling has no effect on functioning of the control panel and can therefore remain lit, it is recommended to reset it for reasons of confusion once the reason of alarm has been identified.

Led signaling can be reset by the holder of the master code only.

- ACCESS -
Master

Viewing
Events

Enter the master code (default code 12345), e.g.:

☞ 1 2 3 4 5

On the display appears **ACCESS Master**.

To accede to the event buffer press:

☞ **MEM**

On the display is viewed **Viewing Events**.

To reset led signaling press:

☞ **CL-EX**

All the leds previously lit are switched off. The alarms remain however stored in the event buffer of the control panel.



WARNING

The active alarms are not stopped upon reset of alarm memory signaling. Led signaling for tamper alarm cannot be reset by the user. Consult the installer.

4.9 CONSULTATION OF THE EVENT BUFFER

Viewing
Events

30/12 14:18:36
Access user

30/12 14:18:36
Master code

30/12 14:18:36
Keypad 1

The event buffer of the control panel contains the register of all the arming/disarming and bypass processes, alarms and modifications of programming etc.

To consult the event buffer press:

☞ **MEM**

Commands available

☞ **↓ ↑** to select the events

☞ **CL-EX** to quit

On the display are viewed all the information available for the event selected:

- The first line always shows the date and time the event has occurred
- The second line views in sequence up to 4 parameters, e.g. for access with user code (master or standard user):
 1. Name of the event
 2. Code used
 3. Device used

For those events causing a telephone call the information available on the telephone calls are viewed, too:

- The first line always views the date and time the event has occurred
- The second line views the issue of the telephone call cycles:

Tel. call	Event with telephone call
Issue call X	Issue of the telephone call cycle of the channel indicated (X = channel A...H)
1 - [issue]	Issue of the call on the first number associated to the channel
2 - [issue]	Issue of the call on the second number associated to the channel (see table below)



ATENCION

Los eventos no se pueden cancelar de la memoria de eventos.

TELEPHONE CALL ISSUES

- - -	No call made
Chan. Fault	No call made - telephone section missing
Abt by user	No call made - manual abort by user
No number	No call made - telephone number missing
No tone	No call made - dial tone missing
GSM error	No call made - GSM module fault
Busy	Line busy
No answer	No answer
M. busy	Line busy - GSM
M. no answer	No answer - GSM
Answ. ko	Answer without confirmation - no event confirmed
Answ. part	Answer with partial confirmation - not all events confirmed
Answ. ok	Answer with confirmation - all events confirmed
Answer	Answer ok
M. answ. ko	Answer without confirmation - no event confirmed - GSM
M. answ. ok	Answer with confirmation - all events confirmed - GSM

5. CONTROL BY KEYPOINT AND WIRELESS KEY

Among the keypoints count all the secondary control units, i.e.:

- Key interface TP PK with key readers for electronic keys
Permits the control of the first 3 programs
- Electronic keypad TP SDN
Permits the control of the first 4 programs
- Wireless key TX240-3
The control by wireless key is equivalent to that by key.

5.1 CONTROL BY KEY INTERFACE TP PK AND KEY READERS ATPK

The interface for electronic keys comprises a series of key readers for electronic keys connected via serial bus and permits the control of the first 3 programs with electronic key.

5.1.1 ARMING

The control panel can be armed through the programs (1 to 4). The interface for electronic keys permits arming/disarming and bypass of the programs 1 to 3 with electronic key. The programs group the zones (1 to 20) that are activated, i.e. enabled for the detection of alarms, simultaneously upon arming of the program. The programs can be armed one at a time (single arming) or simultaneously (multiple arming).

The interface for electronic keys permits arming with exclusion of open zones.

Common zones (if multiple arming is enabled only)

If a zone is included in several programs and is defined as common zone, it is enabled for the detection of alarms only when all the programs it is included in are armed.

Example: if a system is used by two appartments that share the same entrance zone, the owners of the appartments can arm the proper part of the system independently through the program/s associated to it and with the proper electronic keys. The common zone (entrance), however, is activated only if the programs of both appartments it is included in are armed simultaneously.



CHECK SYSTEM STATUS

Prior to arming of the control panel, always check system status with the help of yellow OCG LED:

- LED blinking quickly (2 flashes per second) = general alarm (e.g. low battery, power failure, tamper) active or system armed (i.e. at least one program is armed) and program alarm active
- LED on = alarm memory
- LED off = system ok

CHECK PROGRAM LED STATUS

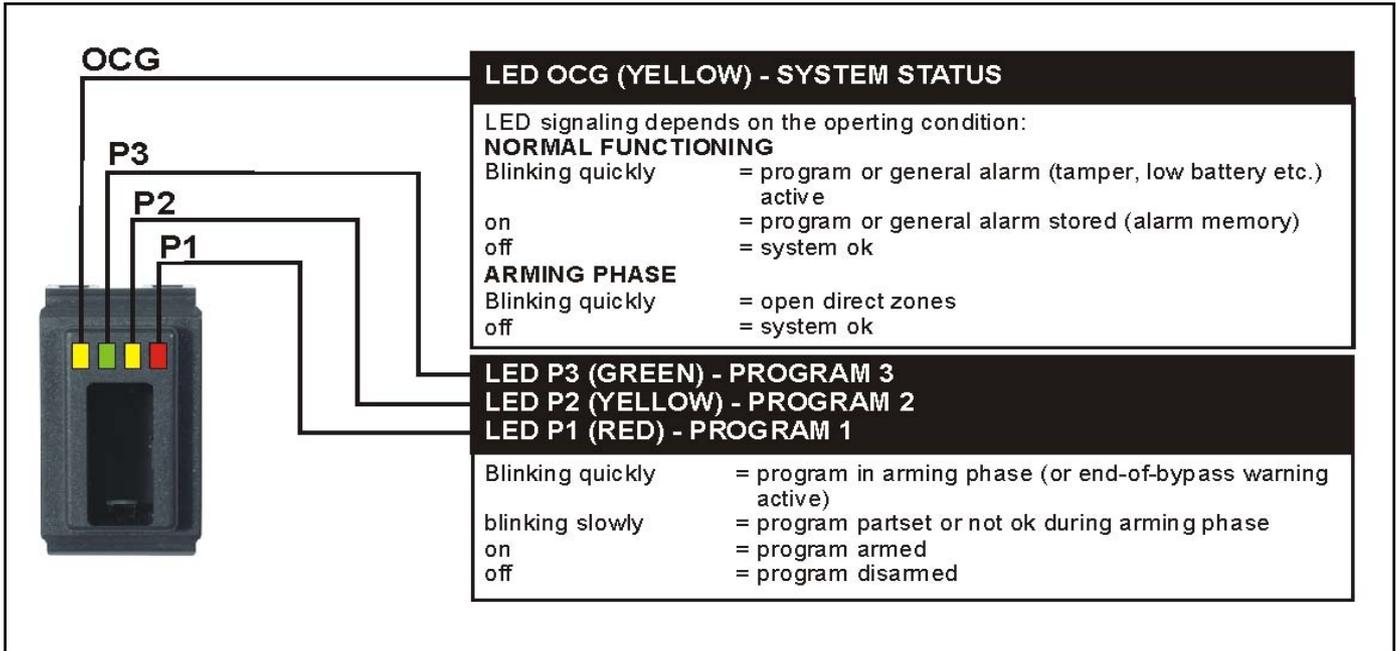
The 3 LED (green, yellow, red) indicate the status of the 3 programs associated:

- LED on = program armed
- LED off = program disarmed
- LED blinking quickly (2 flashes per second) = arming phase (exit time or warning of end of bypass active)
- LED blinking slowly (1 flash per second) = program partset or not OK during the arming phase



WARNING

The interface for electronic keys permits to control merely 3 of the 4 programs through the key readers connected. Program status is signaled by the leds on the key readers.



5.1.1.1 SINGLE ARMING

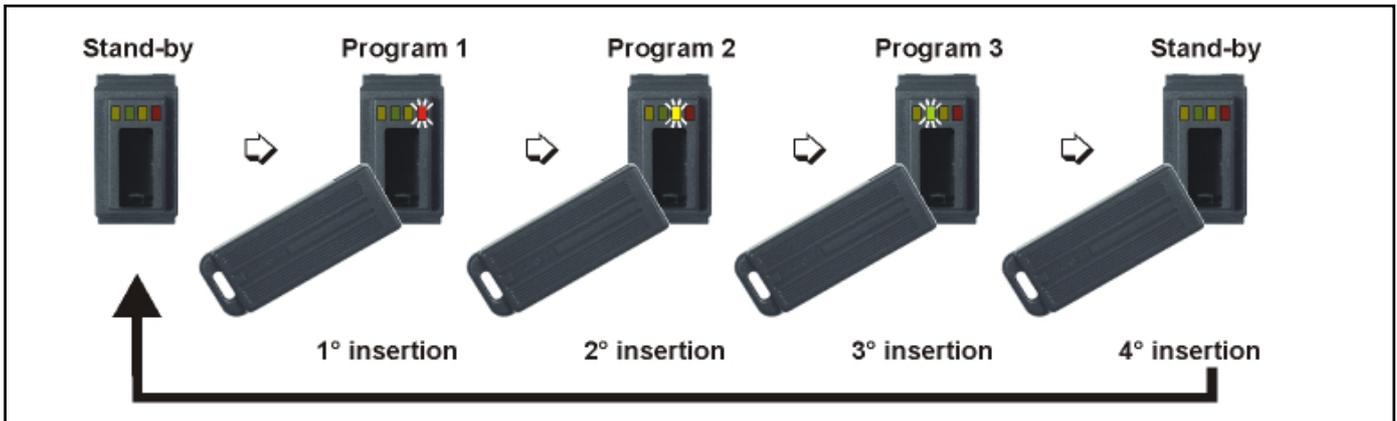
Introduce the electronic key into the key reader.

The LED of the first program associated to the key blinks quickly for 3 seconds. After 3 seconds, the LED corresponding to the program selected starts blinking slowly and the 10-seconds zone exclusion time is started. Remove the key from the key reader.



WARNING

If the key is removed and reintroduced within 3 seconds, the next program is selected etc. After selecting the third program, the key reader returns to stand-by.



ZONE EXCLUSION TIME

For 10 seconds after selecting the program, it is possible to exclude manually the open zones with a procedure explained lateron.

If you do not wish to exclude any zone, it is however possible to select another program deselecting the one you have only just selected by introducing the key into the key reader again.



WARNING

On arming of a program in the presence of open zones, the alarm devices programmed (sirens/logic outputs/telephone channels) are activated unless the open zones are excluded with a procedure explained lateron.

EXIT TIME

The zones defined as delayed upon arming observe the exit time programmed by the installer.

If the program selected contains delayed zones, on expiry of the zone exclusion time follows the exit time and the

program in question is only armed on expiry of the exit time. Once the exit time has expired, the program LED becomes lit and remains lit until disarming of the program.
If the program selected does not contain delayed zones, on expiry (or abort) of the zone exclusion time, the program in question is armed and the corresponding LED becomes lit immediately.
Remove the key from the key reader.

5.1.1.2 MULTIPLE ARMING

Introduce the key into the key reader.

The LED of the first program associated to the key blinks quickly for 3 seconds. After 3 seconds, the LED corresponding to the program selected starts blinking slowly and the 10-seconds zone exclusion time is started.
Remove the key from the key reader.



WARNING

If the key is removed and reintroduced within 3 seconds the next program is selected etc. After selecting the third program, the key reader returns to stand-by.

ZONE EXCLUSION TIME

For 10 seconds after selecting the program, it is possible to exclude manually the open zones with a procedure explained later on.

If you do not wish to exclude any zone, it is however possible to select other programs in addition to the one you have only just selected by introducing the key into the key reader again.

EXIT TIME

The zones defined as delayed upon arming observe the exit time programmed by the installer.

If the programs selected contain delayed zones, on expiry of the zone exclusion time follows the exit time and the programs in question are only armed on expiry of the exit time. Once the exit time has expired, the program LED become lit and remain lit until disarming of these programs.

If the programs selected do not contain delayed zones, on expiry (or abort) of the zone exclusion time, the programs in question are armed and the corresponding leds become lit immediately.

5.1.1.3 EXCLUSION OF OPEN ZONES

After selecting the programs to be armed, during the 10-seconds zone exclusion time, if there are open (direct) zones, the yellow OCG LED is blinking.

A zone may result open for instance in case of fault of the detector connected.

To arm the programs selected with exclusion of open zones introduce and remove the key until the program required is selected. Leave the key in the key reader for the entire zone exclusion time.

The zones remain excluded until disarming of the program. They are activated automatically again the next time the program is armed.



WARNING

If the open zones are not excluded, on expiry of the zone exclusion time (or at the latest of the exit time) the programs are armed and the open zones are activated. As a consequence, the alarm is released.

5.1.2 DISARMING

5.1.2.1 SINGLE ARMING

Introduce an electronic key enabled for the program armed into the key reader.

The program is disarmed and the corresponding LED is switched off.

Remove the key from the key reader.

5.1.2.2 MULTIPLE ARMING DIRECT DISARMING ENABLED

Introduce a key enabled for the programs armed into the key reader.

All the programs associated are disarmed simultaneously and the corresponding LED are switched off.

Remove the key from the key reader.

DIRECT DISARMING DISABLED

Introduce a key enabled for the programs armed into the key reader and remove it until the program to be disarmed is selected.

The program selected is disarmed and the corresponding led is switched off.

Remove the key from the key reader.



WARNING

The electronic key introduced will effect disarming exclusively of the programs it is enabled for. Possible other programs armed are not affected.

5.1.3 BYPASS

When the control panel is armed, it is possible to deactivate temporarily part of the system. Upon activation of the bypass, the zones enabled for bypass and included in the program/s armed and partset are deactivated. The other zones are not affected.

The exclusion of zones persists until deactivation of the bypass or disarming of the programs they are included in. Introduce an electronic key enabled for bypass into the key reader:

The corresponding program LED start blinking.

Remove the key from the key reader.



WARNING

The zones excluded are those associated to the bypass function and included in the programs associated to the key. All the programs associated to the electronic key introduced are partset simultaneously. If one of the programs associated is already partset, the introduction of the key causes the reactivation of this program in its integrity.

5.1.3.1 ACTIVATION OF BYPASS DURING THE ACCESS PERIODS

It is possible to define up to 2 access periods of the electronic keys. As a consequence, the electronic keys are enabled for bypass during the access periods associated by the installer or the holder of the master code only.



WARNING

Outside the access periods associated the electronic keys are not accepted by the control panel and any attempt at accessing to the system will have no effect. When trying to do so, access denied is signaled.

5.1.3.2 DEACTIVATION OF BYPASS

Introduce an electronic key enabled for bypass into the key reader.

The corresponding program LED start blinking quickly signaling that the arming phase is active. After the arming phase, the LED become lit.

Remove the key from the key reader.

5.1.4 SPECIAL OPERATING CONDITIONS

5.1.4.1 FALSE KEY ALARM

The alarm is released when an unknown key is introduced into the key reader.

In case of false key alarm, the yellow OCG LED starts blinking. The control unit in question is disabled for 2 minutes. Simultaneously the buzzers of the consoles connected are activated and the OCG and key leds of all the consoles as well as the led 6 general alarm of the electronic keypads start blinking.

To stop the alarm introduce a valid key or enter a valid user code (master or standard user) on one of the other control units connected.

5.1.4.2 SIMULTANEOUS ARMING BY SEVERAL CONTROL UNITS

During the arming process by console or electronic keypad, all the key readers are disabled.

When trying to arm the control panel by key, the 4 LED on the key readers blink for approximately 3 seconds.

5.1.4.3 AUTOMATIC DISARMING FOR ALARM

If you introduce the key in the presence of a program alarm, all the programs associated to the key and in alarm are disarmed automatically.

5.1.4.4 AUTOMATIC ABORT OF THE TELEPHONE CALLS

If the key has been programmed appropriately, upon disarming of the program the active telephone channels are blocked automatically.

5.1.4.5 GENERAL ALARM

If a general alarm is active (yellow OCG LED is blinking), arming of the control panel by key is not permitted unless the key has been enabled for the bypass of the general alarms.

5.2 CONTROL BY ELECTRONIC KEYPAD TP SDN

The electronic keypad permits the control of the 4 programs with code. It does not accept the installer code and does not permit programming.

5.2.1 ARMING

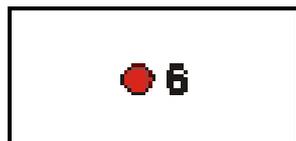
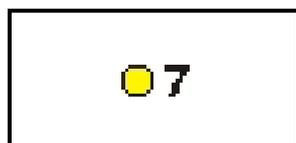
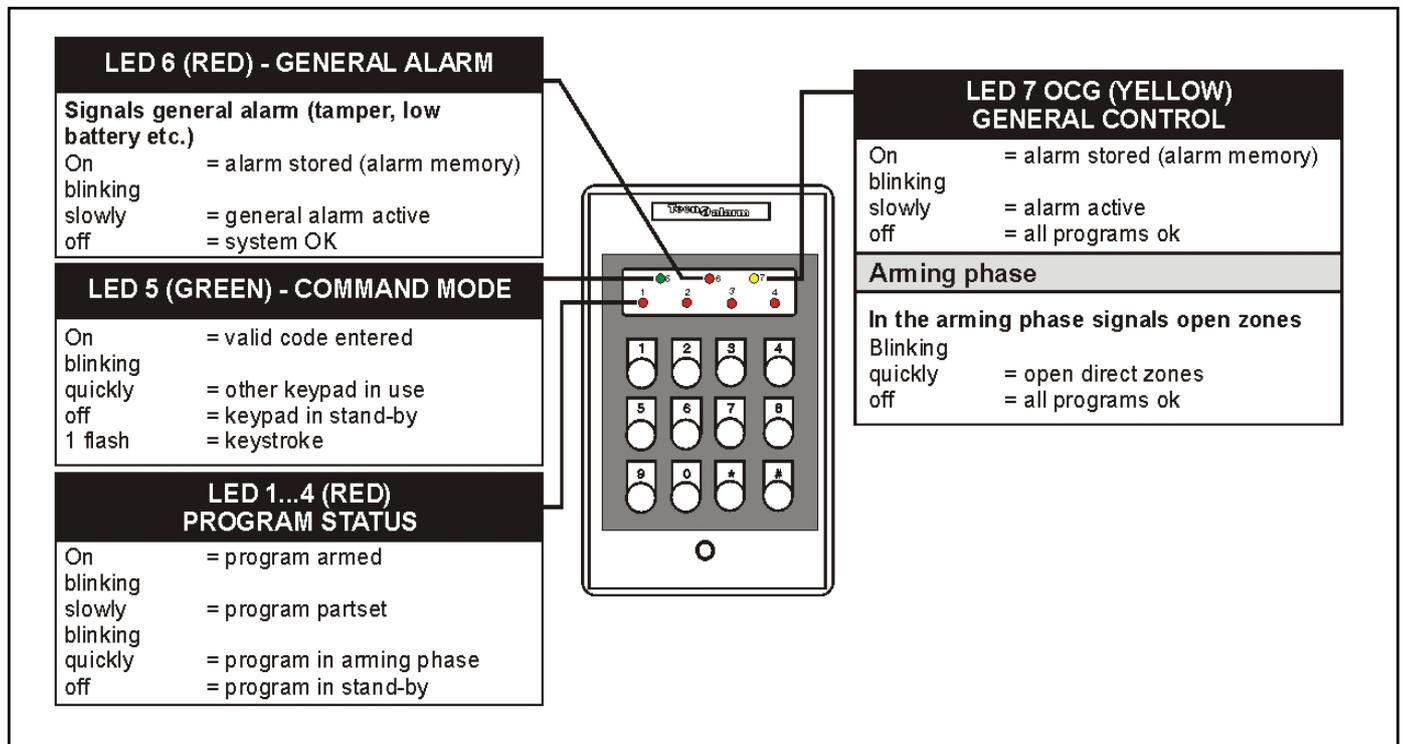
The control panel can be armed through the programs (1 to 4). The electronic keypad permits arming/disarming and bypass of maximum 4 programs with master code or standard user code enabled for the program in question. The programs group the zones (1 to 20) that are activated, i.e. are enabled for the detection of alarms, simultaneously upon arming of the program. The programs can be armed one at a time (single arming) or simultaneously (multiple arming).

The electronic keypad permits arming with exclusion of open zones.

Common zones (if multiple arming is enabled only)

If a zone is included in several programs and is defined as common zone, it is enabled for the detection of alarms only when all the programs it is included in are armed.

Example: if a system is used by two apartments that share the same entrance zone, the owners of the apartments can arm the proper part of the system independently through the program/s associated to it and with the proper user codes. The common zone (entrance), however, is activated only if the programs of both apartments it is included in are armed simultaneously.



CHECK SYSTEM STATUS

Prior to arming of the control panel always check system status with the help of the LED on the keypad:

- LED 7 OCG (YELLOW)
 - blinking = control panel armed and one of the programs associated in alarm
 - on = alarm stored (alarm memory)
- LED 6 GENERAL ALARM (RED)
 - blinking = trouble or general alarm active (e.g. low battery, power failure, tamper)
 - on = alarm stored (alarm memory)

CHECK ZONE STATUS

Open zones/active zone alarms are not signaled unless you try to arm the control panel. In the arming phase the yellow LED 7 OCG signals zone status:

- LED blinking = open zones
- LED off = zones ok



5.2.1.1 ARMING WITH CODE

Enter a valid code (master or standard user code enabled for the programs to be armed), e.g. master code (default code 12345):

☞ 1 2 3 4 5

The green LED 5 is lit.

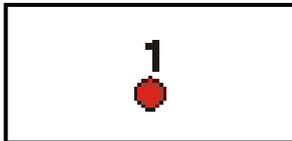
For the 8 seconds to come it is possible to select the programs to be armed/disarmed (pressing the program number the first time the program is selected, pressing it the second time it is deselected). On every keystroke the counter is reset.

Select the programs to be armed, e.g.:

☞ 1 3

The corresponding red program LED start blinking.

☞ # to confirm the selection and stop the counter without waiting for 8 seconds



WARNING

Whereas the master code is always enabled for all the programs, the user codes control merely the programs they have been enabled for by the installer or the holder of the master code.

ZONE EXCLUSION TIME

For 8 seconds after selecting the programs, it is possible to exclude manually some of the zones from the detection of alarms with a procedure explained later on.

If you do not wish to exclude any zone, it is possible to confirm the selection without waiting for expiry of the zone exclusion time by pressing # (hash) again:

☞ # to confirm the selection and abort the zone exclusion time

EXIT TIME

The zones defined as delayed upon arming observe the exit time programmed by the installer.

If the programs selected contain delayed zones, on expiry of the zone exclusion time follows the exit time and the programs in question are only armed on expiry of the exit time. Once the exit time has expired, the program LED become lit and remain lit until disarming of these programs.

If the programs selected do not contain delayed zones, on expiry (or abort) of the zone exclusion time, the programs in question are armed and the corresponding red LED become lit immediately.



5.2.1.2 EXCLUSION OF OPEN ZONES

After selecting the programs to be armed, during the 8-seconds zone exclusion time, if there are open zones (direct or delayed type 2), the yellow LED 7 OCG is blinking.

A zone can result open for instance in case of fault of the detector connected.

To arm the programs selected excluding the open zones press:

☞ *



WARNING

If the open zones are not excluded, on expiry of the zone exclusion time (at the latest of the exit time) the programs are armed and the open zones are activated. As a consequence, the alarm is released.

5.2.1.3 QUICK ARMING

Not permitted

5.2.1.4 ARMING DURING THE ACCESS PERIODS

It is possible to define 2 access periods of the codes. As a consequence, the codes are enabled for arming and disarming during the access periods associated by the installer or the holder of the master code only.



WARNING

Outside the access periods associated, the codes are not accepted by the control panel and any attempt at acceding to the system will have no effect.

When trying to do so, the system ignores the command.

The green LED 5 remains lit and the red program LED remain off.

After 5 seconds, the electronic keypad returns to stand-by.

5.2.2 DISARMING

5.2.2.1 DISARMING WITH CODE

Enter a valid code (master or standard user code enabled for the programs armed), e.g. master code (default code 12345):

☞ 1 2 3 4 5

The green LED 5 is lit.

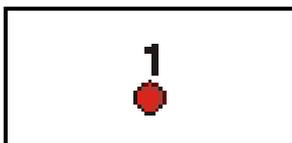
For the 8 seconds to come it is possible to select the programs to be armed/disarmed (pressing the program number the first time the program is selected, pressing it the second time it is deselected). On every keystroke the counter is reset.

Select the programs to be disarmed, e.g.:

☞ 1 3

After 8 seconds the corresponding red program LED are switched off and the programs return to stand-by.

☞ # to confirm the selection and stop the counter without waiting for 8 seconds



WARNING

Whereas the master code is always enabled for all the programs, the user codes control merely the programs they have been enabled for by the installer or the holder of the master code.

5.2.2.2 DISARMING UNDER DURESS (IF ENABLED)

Under duress it is possible to simulate disarming of the system and release simultaneously a silent hold-up alarm.

For this enter the master code or a standard user code (enabled for the programs armed) reducing the last digit by one unit, e.g. master code (default code 12345):

☞ 1 2 3 4 4

The control panel is apparently disarmed, i.e. all the program LED are switched off, and if programmed appropriately by the installer, the logic outputs OUT1 or OUT2 of the CPU board and all the modules connected and a telephone call for hold-up alarm are activated.

5.2.3 BYPASS

When the control panel is armed, it is possible to deactivate temporarily part of the system. Upon activation of the bypass, the zones enabled for bypass and included in the program/s armed and partset are deactivated. The other zones are not affected. The exclusion of zones persists until deactivation of the bypass or disarming of the programs they are included in.

5.2.3.1 ACTIVATION OF BYPASS WITH CODE

Enter a code enabled for bypass (master or standard user code enabled for the programs armed) followed by the number of the program to be partset, e.g.:

☞ 6 6 7 7 8

☞ 1

For the time the bypass is active the corresponding program LED is blinking.



WARNING

The zones excluded are those associated to the bypass function and included in the program selected.

5.2.3.2 ACTIVATION OF BYPASS DURING THE ACCESS PERIODS

It is possible to define 2 access periods of the codes. As a consequence, the codes are enabled for bypass during the access periods associated by the installer or holder of the master code only.



WARNING

Outside the access periods associated the codes are not accepted by the control panel and any attempt at accessing to the system will have no effect. When trying to do so, the system ignores the command. The green LED 5 remains lit and the red program LED remain off. After 5 seconds, the electronic keypad returns to stand-by.

5.2.3.3 DEACTIVATION OF BYPASS WITH CODE

Enter a code enabled for bypass (master or standard user code enabled for the programs armed) followed by the number of the program to be reactivated in its integrity, e.g.:

☞ 6 6 7 7 8

☞ 1

The led of the program previously partset becomes lit.

5.2.4 SPECIAL OPERATING CONDITIONS

5.2.4.1 FALSE CODE ALARM

The alarm is released if 32 keys are pressed without entering a valid code.

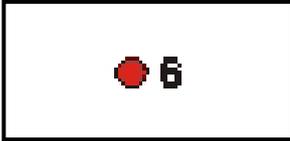
In case of false code alarm, the red LED 6 general alarm is blinking. The keypad on which the false code has been entered is disabled for 2 minutes. Simultaneously, the buzzers of the consoles connected are activated for 30 seconds and the OCG and key leds of all the key readers and consoles are blinking.

To stop the alarm introduce a valid key or enter a valid code (master or standard user code) on one of the other control units connected.

5.2.4.2 SIMULTANEOUS ARMING BY SEVERAL CONTROL UNITS

During the arming process by console, all the electronic keypads and key readers are disabled.

In this situation, if you try to arm the control panel by electronic keypad, the 3 leds on the keypad blink for approximately 3 seconds.



WARNING

It is possible to use only one control unit at a time.

5.2.4.3 AUTOMATIC ABORT OF THE TELEPHONE CALLS

If enabled by the holder of the master code, on disarming of a program the active telephone channels are blocked automatically.

5.2.4.4 GENERAL ALARM

If a general alarm is active (the corresponding LED is blinking), arming of the control panel is not permitted with code unless the code is enabled for the bypass of the general alarms.

5.3 CONTROL BY WIRELESS KEY TX240-3

If the control panel is equipped with a wireless receiver, it is possible to control the system by wireless key. The wireless receiver RX300/433868 accepts up to 16 wireless keys type TX240-3. According to programming, the wireless key permits the control of the 4 programs and/or the 2 remote controls through 3 programmable function keys.

5.3.1 ARMING

The control panel can be armed through the programs (1 to 4). If the system is equipped with a wireless receiver, it is possible to arm and disarm as well partset the programs by a wireless key programmed accordingly. The programs group the zones (1 to 20) that are activated, i.e. are enabled for the detection of alarms, simultaneously upon arming of the program. The wireless key permits to arm only one program at a time (single arming).

The wireless key permits arming with exclusion of open zones if it is programmed accordingly.

The wireless key used behaves according to its configuration (see chapter 5.13 - Configuration of the wireless keys):

- Access periods (1 to 2)
- Association of the function keys
 - Disarming (all the programs that have been armed previously by the wireless key)
 - Arming program (1 to 4)
 - Disarming program (1 to 4)
 - Activation/deactivation remote control (1 to 2)
 - Activation remote control (1 to 2)
 - Deactivation remote control (1 to 2)



WARNING

The function Disarming permits disarming of the programs associated to the wireless key only.

- Attributes:
 - Bypass
 - Confirmation of disarming (hold-up block)
 - Automatic abort of the telephone channels on disarming
 - Bypass of general alarms
 - Hold-up
 - Zone exclusion disabled

Disables both the voluntary zone exclusion and the automatic exclusion of open zones. If the control panel is armed in the presence of open zones, the alarm is released on expiry of the arming phase.

CHECK SYSTEM STATUS

The wireless keys do not permit viewing of system status.



WARNING

The wireless key does not possess any LED for system status viewing. This means that for checking of system status and for verifying the execution of the arming/disarming command, the user has to approach a console.

5.3.1.1 SINGLE ARMING

To arm a program, simply press the corresponding function key.

Example (function key 2 associated to arming of program 1)

- Press the function key 2
 - On the console the LED corresponding to the program 1 starts blinking slowly (1 flash per second) and continues blinking for 10 seconds (zone exclusion time).
During this period of time, it is possible to exclude possible open zones if the wireless key has been programmed accordingly.
 - The buzzer of the console is activated for approx. 2 seconds
 - The chime output of the output extension module ESP32-OCN (if present) is activated for approx. 2 seconds
- After 10 seconds, the program selected is armed.

5.3.2 DISARMING

To disarm the control panel, it is necessary that one function key of the wireless key used is programmed for disarming of the program previously armed or for disarming of all the programs associated to the wireless key. If so, press the corresponding key.

Example (function key 3 associated to total disarming)

- Press the function key 3
 - On the console the LED corresponding to the programs previously armed by this wireless key are switched off.
 - The buzzer of the console is activated for approx. 2 seconds
- The programs previously armed by this wireless key, are disarmed.

5.3.3 BYPASS

If the wireless key is programmed for the activation and deactivation of bypass, the arming and disarming functions change as follows:

- Arming program becomes activation bypass program
- Disarming program becomes deactivation bypass program
- Disarming becomes deactivation general bypass

To activate bypass, simply press the corresponding function key.

6. CONTROL BY TELEPHONE

This chapter treats the operations that can be executed by telephone both calling the control panel for system status check and during an alarm call received from the control panel.
The operations explained are only possible if the controlpanel is equipped with the vocabulary (option).



The telephone menu permits system status check and the initiation of a number of operations (telephone menu) calling the control panel on purpose, whereas it permits the verification of the alarms (RDV[®]) during a vocal alarm call received.

6.1 TELEPHONE MENU

The telephone menu permits the execution of the following functions:

- System status check (system OK or in alarm)
- Arming/disarming of programs and system status check (in stand-by or armed)
- Activation/deactivation and check of the status of the remote controls
- Remote digital verification (RDV[®]) by the detectors selected
- Recording of the telephone opening message

Dial the telephone number of the line to which the control panel is connected.

On answering, the control panel emits a beep.

To enter the telephone menu, enter the master code or a standard user code programmed accordingly, e.g. master code (default code 12345):

☎ 1 2 3 4 5

The control panel reproduces the following voice messages:

TELEPHONE MENU		
	FOR CONTROL PANEL STATUS PRESS	ONE
	FOR PROGRAM ACTIVATION PRESS	TWO
	FOR REMOTE CONTROL ACTIVATION PRESS	THREE
	FOR RDV CONTROL PRESS	FOUR
	FOR OPENING MESSAGE PRESS	FIVE (requires master code)
	TO CLOSE COMMUNICATION PRESS	HASH

6.1.1 SYSTEM STATUS CHECK

To consult system status press:



The message relating to the current system status is played:



Message relating to the system status

6.1.2 ARMING/DISARMING OF THE PROGRAMS

To enter the program menu press:



The following message is played:



Menu program - to return to menu press hash

Submenus

- Check program status
- Arming/disarming of programas

CHECK PROGRAM STATUS

To consult the status of the programs, enter the program number:



Selection of the program (1 to 4)

The control panel plays the message relating to the current program status (armed or in stand-by) and the alarms stored (alarm memory):



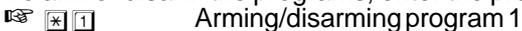
Message relating to the program status and the alarms stored



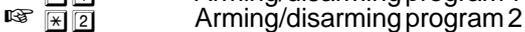
to return to the main menu

ARMING/DISARMING OF THE PROGRAMS

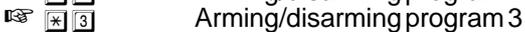
To arm or disarm the programs, enter the program number preceding it with the key * (star), e.g.:



Arming/disarming program 1



Arming/disarming program 2



Arming/disarming program 3



Arming/disarming program 4

Repeat the command for all the programs to be armed.

The control panel signals possible open zones or those in trouble.



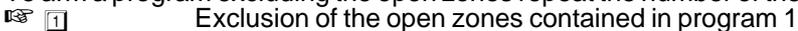
Message relating to the open zones or those in trouble



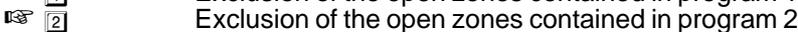
to return to the main menu

EXCLUSION OF OPEN ZONES

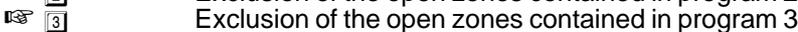
To arm a program excluding the open zones repeat the number of the corresponding program:



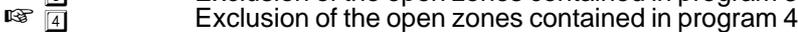
Exclusion of the open zones contained in program 1



Exclusion of the open zones contained in program 2



Exclusion of the open zones contained in program 3



Exclusion of the open zones contained in program 4

The control panel plays the message relating to the exclusion of open zones.



WARNING

The zones in trouble cannot be excluded.



to return to the main menu

6.1.3 ACTIVATION/DEACTIVATION OF THE REMOTE CONTROLS

To enter the remote control menu press:

3

The following message is played:

Menu remote control - to return to menu press hash

Submenus

- Check status of remote controls
- Activation/deactivation of remote controls

CHECK STATUS OF THE REMOTE CONTROLS

To consult the status of the remote controls, enter the number of the remote control:

1...2 Selection of the remote control (1 to 2)

The control panel plays the message relating to the current status of the remote control (active or in stand-by).

Message relating to the status of the remote control

to return to the main menu

ACTIVATION/DEACTIVATION OF THE REMOTE CONTROLS

To activate or deactivate the remote controls, enter the number of the remote control preceding it with the key * (star), e.g.:

*** 1** Activation/deactivation remote control 1

*** 2** Activation/deactivation remote control 2

The control panel plays the message relating to the current status of the remote control (active or in stand-by).

Message relating to the status of the remote control

to return to the main menu

6.1.4 REMOTE DIGITAL VERIFICATION (RDV)

To enter the RDV menu press:

4

The following message is played:

Menu RDV - to return to menu press hash

The RDV detectors are doppler detectors that permit the control of the protected zone through a sound wave proportionate to the movement detected.

To consult the status of the RDV zones, enter the zone number, e.g.:

1...2 0 Selection of the zone (1 to 20)

If the zone selected is not associated to any RDV detector, the control panel emits a vocal error message. If the zone selected is an RDV zone, the control panel activates the remote digital verification of the doppler detector connected for approximately 30 seconds.

to return to the main menu

6.1.5 RECORDING OF THE TELEPHONE OPENING MESSAGE

The telephone opening message is played every time the control panel makes a phone call.

To enter the opening message menu press:

5

The following message is played:

Menu opening message - to return to menu press hash

Submenus

- Recording of opening message
- Playing of opening message

RECORDING OF THE OPENING MESSAGE

The duration is fix. Therefore, it is recommended to record a message of a duration of approximately 10 seconds in order to avoid silent periods during play-back.

To record the opening message press:



The control panel emits two beeps. After the beeps it is possible to start recording. Speak loud and clearly into the microphone of the telephone (max. 10 seconds). On expiry of the recording time, the control panel emits 4 beeps.



WARNING

Recording of the opening message requires the master code.



to return to the main menu

PLAYING OF OPENING MESSAGE

To play the opening message press:



The control panel plays the opening message.



Opening message



to return to the main menu

6.2 ALARM CALL

During an alarm call, it is possible to initiate the following functions:

- Playing of opening message
- Playing of alarm messages
- Remote digital verification (RDV) through the active detectors (of the program in alarm)

On answering, the control panel reproduces the opening message of approximately 10 seconds, followed by the voice message regarding the first alarm detected.



Opening message and first alarm

To pass on to the next alarm, press # (hash):



Once all the alarm messages have been played, if there are RDV detectors and if they are active, the remote digital verification is activated automatically for approximately 20 seconds.

To close the communication and block the telephone channels press the key # (hash) again:



WARNING

The call takes about 60 seconds. If the communication is not shut down, the messages are repeated until expiry of the call time.

6.3 SKIP ANSWERING MACHINE

If there are other devices connected to the telephone line the control panel is connected to (e.g. telefax, answering machine) and they answer to incoming calls with a higher priority, i.e. after less rings, it is possible to skip them programming 17 rings prior to answering and proceed as follows:

- Dial the number of the telephone line the control panel is connected to
- After the first ring close the communication
- Within one minute dial the same number again

The control panel receiving the second call within 6 and 60 seconds, answers immediately after the first ring (of the second call) anticipating the other devices connected to the line.



WARNING

The control panels usually emit 1-second rings staggered with 4-seconds pauses. The standard counting method is always active. From the second ring onwards the skip of the answering machine is deactivated automatically. The function is reactivated after approximately 1 minute.