

## Advanced central unit with telephone communicator

3486

### Description

The central unit has the function of supervising the burglar-alarm system, enabling the management of the zone sensors independent from one another. It is possible to save up to 16 activation scenarios and use them based on actual needs. It's fitted with built-in telephone communicator for sending a telephone message in case of alarm, or to check the status of the system when away from home, using a fixed or mobile phone.

Thanks to the integration with rolling shutter and light switching on movement devices, it is possible to program automations that activate in case of alarm, to confuse the intruder.

The central unit is also capable of communicating with vigilance bodies through an appropriate protocol, further increasing the level of protection of the property (for this service consult the installer).

### Main functions

- Burglar-alarm central unit with combined telephone communicator (on GSM and PSTN line);
- system self-learning and configuration on-screen display;
- can be controlled by IR remote control, transponder and keypad;
- independent management of each sensor;
- can be programmed by PC;
- detailed event memory and alarm only memory;
- customisation of alarm messages;
- phone book for sending alarms;
- connection with surveillance central unit using the "Ademco Contact ID" protocol, with the possibility of remote setting of Ademco parameters;
- blocking for 1 minute the possibility of arming or disarming, or access to the navigation menu, if the wrong key is entered for three consecutive times (from keypad or transponder);
- association of a set user name to scenarios, sensors and zones;
- each individual sensor can be deactivated by sending a command from the central unit keypad;
- possibility of sending a test call, with programmable delay, to the MY HOME Portal, or to the surveillance central unit;
- signalling of failed connection with: sensors, with the system disarmed, a signalling icon is displayed, with the system armed, an alarm is generated;
- division of the zones directly from the Central unit keypad.

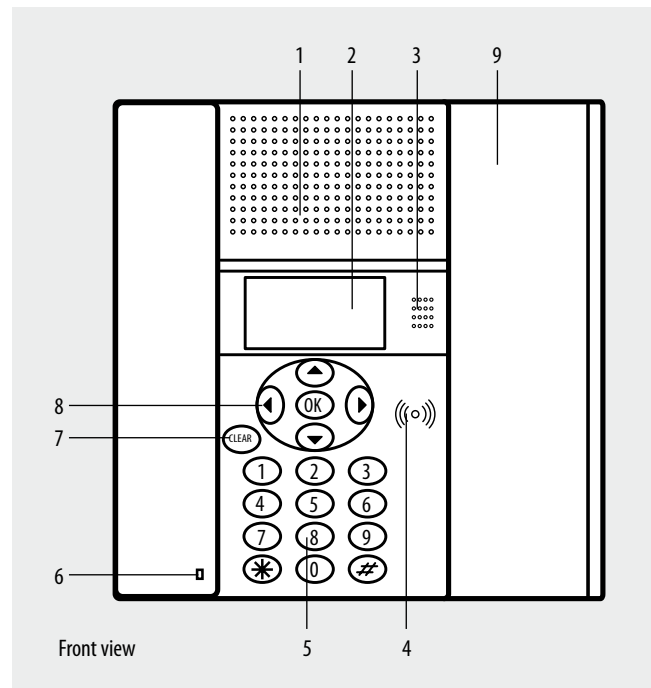
### Management of burglar-alarm functions

The central unit manages a total of 10 zones:

- Zone 0 is reserved for the activators (max. 9);
- zones from 1 to 8 are reserved for the sensors;
- zone 9 is reserved for the technical alarms/auxiliaries (gas detector etc.);

Performs the following functions:

- manages the events communicated by the sensors and can determine if and when to give the alarm;
- zones from 1 to 8 can be separated as the user requires;
- up to 16 division scenarios can be created and activated depending on needs;
- a specific division can be coupled to each key (max. 50). It is also possible to limit the use of the key to certain days of the week, and to a specific time band;
- automatic devices can be operated as the user requires, if the burglar-alarm system has recorded an event (e.g. switch on the lights in the zone where there is an intrusion alarm);
- all the customising phases are guided and shown by means of the display.



### Legend

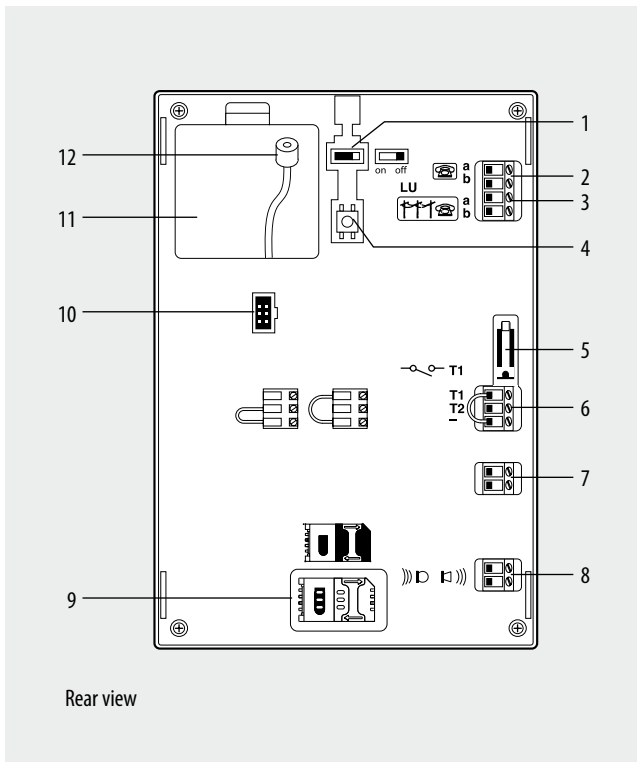
- 1 - Loudspeaker:** can listen to the recorded messages and play voice messages in the room by means of the telephone;
- 2 - Graphic display:** displays the messages which guide the programming operations and the events which have occurred;
- 3 - IR receiver:** receives the switching on and off commands sent by the burglar-alarm system remote control;
- 4 - Transponder reader:** receives the burglar-alarm system switching on and off commands directly from the transponder keys;
- 5 - Alphanumeric keypad:** allows the manual switching on of all those programming operations which require the use of numbers and/or symbols;
- 6 - Microphone:** used to record the messages and listen to the room remotely by means of telephone;
- 7 - CLEAR key:** exit the current menu and the programming;
- 8 - Navigation keypad:** navigate inside the menu, confirms or cancels the programming operations;
- 9 - GSM antenna with cable L = 1.5 metres:** to be positioned upon verification of GSM signal reception.

### Telephone communicator

- Allows two-way communication between the user and the My Home home automation system;
- if the burglar-alarm system has detected an alarm, it automatically dials the telephone numbers previously programmed by the user and gives a voice message to say what type of event has happened;
- it can be called by the user who, by means of predefined codes, can send commands to the automation system and to the burglar-alarm system;
- the user can find out the state of the burglar-alarm and automation system by telephone;
- it lets you connect to the My Home portal and makes the My Home web service available, for example the remote assistance service as well as the possibility to download the history of events;
- it enables automatic forwarding of alarm and event signalings to surveillance units, using the Contact ID protocol, as well as the request and setting of its parameters.

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### Legend

- 1 - ON/OFF slide switch;
- 2 - Telephone line OUT;
- 3 - Telephone line IN;
- 4 - Reset key;
- 5 - T1 local tamper;
- 6 - Tamper line (see note);
- 7 - Burglar alarm BUS;
- 8 - MY HOME sound system BUS;
- 9 - SIM card housing;
- 10 - Serial connector for PC programming (with cable item 335919 or item 3559);
- 11 - Battery housing (item 3507/6);
- 12 - GSM antenna connector.

**NOTE:** The central unit is supplied with the clamps (-/T1) of the Tamper line shorted for the use of the local tamper T1 (wall mounted installation on metal base); For installations inside MULTIBOX boxes ensure the connection of a NC circuit breaker to the -/T1 clamps for the tamper function; alternatively, short clamps -/T2. In this case the central unit will not be protected from tampering.

### Technical data

- Power supply from SCS BUS: 27 Vdc
- Max. absorption: 50 (stand by) – 120 mA
- Operating temperature: 5 – 40°C
- Installation: wall mounted or Multibox switchboard

### Dimensional data

Size (H,L,D): 210x210x30 mm

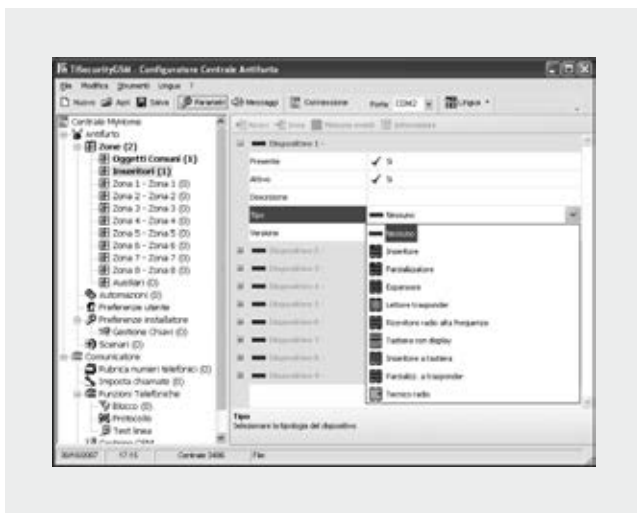
### Configuration

The central units do not need configurators. The functions can be set directly on the device itself (keypad and display), or using the appropriate software, either TISecurity GSM. For detailed information refer to the corresponding manuals supplied with the products.

### Software configuration

The program can be used to easily customise all parameters of the Central unit. It is possible to receive the current configuration from the Central unit, change it and send any changes made to the Central unit, save the configuration to a file for subsequent modification, or save it as a backup copy.

For further information refer to the software manual supplied with the central unit.



### Ademco Contact ID functionality

Ademco contact ID is a particular communication protocol operating on a telephone line with DTMF touch tone. Using this protocol, it is possible to set a one-way communication between the burglar-alarm central units and the vigilance bodies. In this way, vigilance bodies can receive information concerning the type of event/alarm generated and, if available, the details of the peripheral from where it generated.

### Events that can be managed using the Ademco Contact ID

The Ademco Contact ID events managed by the central unit are the following:

Relating to the burglar-alarm system:

- Anti-panic alarm
- Anti-burglary alarm
- General intrusion alarm
- Tamptest (device interconnection alarm)
- Device tampering alarm
- No power supply
- System battery faulty
- Activation / deactivation / cancellation\*
- Sensor deactivation
- Periodical functionality test (routine check of the telephone line and the installation)

**NOTE\*:** cancellation is the silencing of an alarm following the disarming of the system itself. In this case the event is sent to the vigilance body, which can therefore check if it's been caused by a tampering attempt.

Relating to the technical alarms:

- Fire alarm (AUX=8)
- Gas leak alarm (AUX=1)
- Freezer alarm (AUX=2)
- Flooding alarm (AUX=3)
- Remote assistance alarm (AUX=9)
- Auxiliary device tampering (Z=9)

For every event, where required, the origin of the alarm is also forwarded, in terms of zone and device.

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### Wiring diagram

It is good practice to protect the system from lightning by using surge protective devices, SPD, belonging to class II, as per the diagram shown.

In particular, to protect the burglar-alarm central unit from overvoltage from the telephone line, the use of the appropriate PLT1 device is recommended, taking care to

connect the corresponding earth clamp with the "earth" reference of the SPD discharger installed in the apartment distribution board (see diagram). The connection shall have as low an impedance as possible, and will be performed using a conductor with minimum section of 2.5 mm<sup>2</sup>, and maximum length of 30 metres.

