ENGLISH

GSM phone dialer with vocal messages

USER`S MANUAL

Contents

1 Introduction

1.1 Operating Features

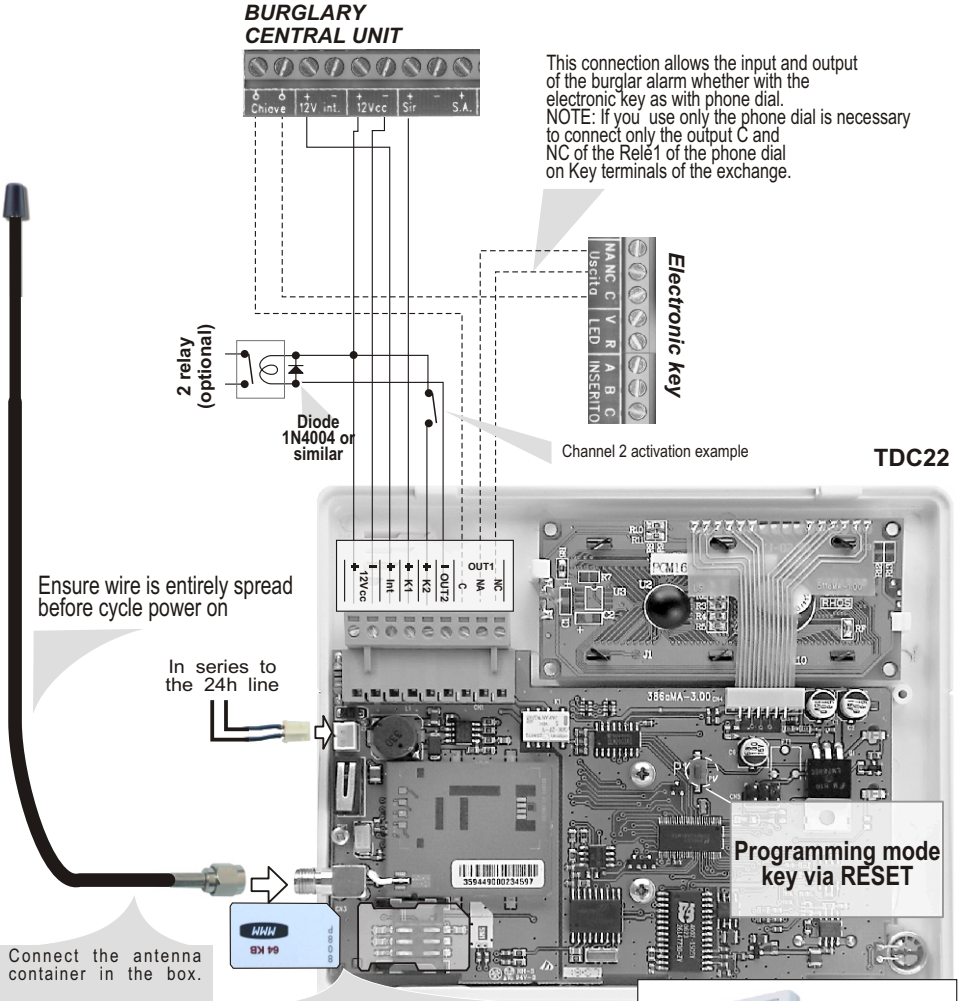
- Incorpreted GSM module.
- Indication intensity of GSM net.
- 2 codes operator to program (MASTER code and CONTROLS code).
- 6 (in ERMES / TM60GSM) or 2 (in TDC30 / TDC22 / TM20GSM) inputs of activation alarm, everyone with vocal message of 16 seconds and a SMS of 100 characters forwarding towards fixed telephone or mobiles.
- 2 outputs with relè (plus 4 to opened collector, only in ERMES / TM60GSM) controlling by telephone by DTMF, or by a single ring (missed call) from one of the present telephone in directory, with relative re-sending of a confirmation ring (CLIP function).
- Monitoring of the condition of inputs and outputs from remote trough short vocal messages (of 2 sec.), and from local trough short SMS messages (of 16 car.) on display all ***personality*** for every channel and on its key.
- Vocal directory of16 numbers, and SMS directory of other 16 numbers.
- Listening ambient from remote with voice lives function.
- Delays on the programming inputs singularly.
- Inputs programming in way impulse or state, conditioned to the logical input "INT".
- Outputs programming in way impulse or state, conditioned to inputs.
- Possibility to link together every telephone number to all or to some channel. Number of repetition message and cycles of programming call.
- Call masking ID.
- Tamper anti opening.
- Container in ABS with lodging for battery 12 V 7 Ah.
- Incorporated storage power source (only in ERMES/TM60GSM).

1.2 Technical Features

- Operating voltage: 13 Vcc ±5%
- Absorption: < 100 mA in St/by; 300 mA max
- Inputs: 6 (in ERMES / TM60GSM) or 2 (in TDC30 / TDC22 / TM20GSM) + 1 "INT" of condition
- Outputs relè to exchange: 2
- Outputs to opened collector: 4 (in ERMES / TM60GSM); 1 (in TDC22).
- Vocal messages: 6 (in ERMES / TM60GSM) or 2 (in TDC30 / TDC22 / TM20GSM) of 15 sec., one for every channel; 26 (in ERMES / TM60GSM) or 10 (in TDC30 / TDC22 / TM20GSM) of 2 sec., for the condition of every inputs and outputs, in whichever conditions.
- SMS messages: 6 (in ERMES / TM60GSM) or 2 (in TDC30 / TDC22 / TM20GSM) of 100 car., one for every channel; 26 (in ERMES / TM60GSM) or 10 (in TDC30 / TDC22 / TM20GSM) of 16 car., For the condition of every inputs and outputs, in whichever conditions.
- Voice directory: 16 number
- SMS directory: 16 other numbers

2 -Installation - For PCB circuits 386AMA-3.00 and following ones

2.1 TDC22 Connection



Connect the antenna container in the box.

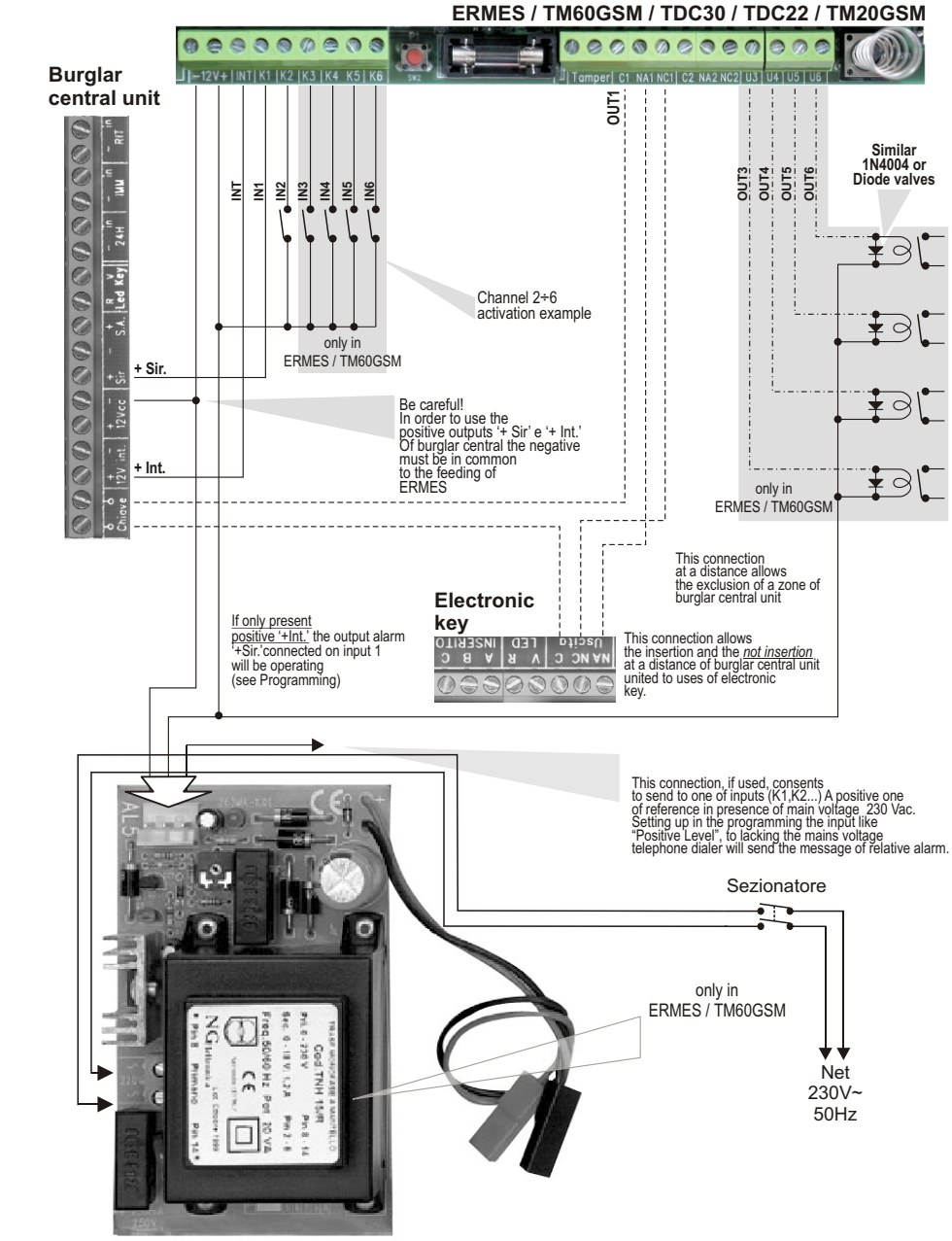
Optionally the antenna can be installed with **ANTGSM4**, 2 mt. cable.

The antennas can be distanced ulteriorly by the **PR-ANT** 5mt cable (**DO NOT INSTALL MORE THAN ONE**)

1. Through the use of any GSM phone is necessary to eliminate the access code (code PIN) that qualifies the Sim card use.
2. Insert Sim Card in the module according to the rounded corner.

2 base can be mounted on a standard wall-mounted box 503-type.

2.2 TDC30 / ERMES / TM20GSM / TM60GSM connection

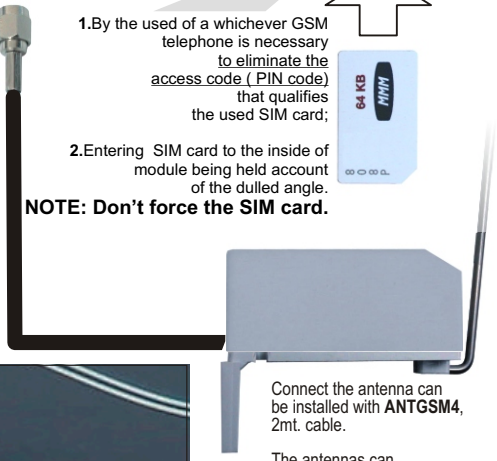


2.3 Connection antenna GSM (ERMES - TM60GSM - TDC30 - TM20GSM)

1.By the used of a whichever GSM telephone is necessary to eliminate the access code (PIN code) that qualifies the used SIM card;

2.Entering SIM card to the inside of module being held account of the dulled angle.

NOTE: Don't force the SIM card.



Connect the antenna can be installed with **ANTGSM4**, 2mt. cable.

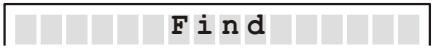
The antennas can be distanced ulteriorly by the **PR-ANT** 5mt cable (**DO NOT INSTALL MORE THAN ONE**)

ATTENTION:
THE ONCE INSERTED THE SIM EXITS OF APPROXIMATELY 4MM FROM THE CIRCUIT

DON´T FORCE THE SIM-CARD

2.4 Connection GSM net

At the starting of mobile telephone dialer, or in case of reset, it starts the search of GSM net and display visualizes following messages:



At the end of searching, if mobile telephone dialer is connected to the GSM net will be visualized the state of recording like continuation:

Low intensity of band

Optimal intensity of band

or, if not connected:

Absent intensity of band

Recording not happened

Denied recording

LED "**On**" present on the panel indicates the activity of GSM module; LED "**State**", instead, it indicates the control that mobile telephone dialer carries out on GSM module:

- ***flashing:*** normal operation
- ***fast flashing***: during a connection
- ***Fixed(startedor extinguished)***: in inactivity or error condition

It is possible to orient the antenna connected to GSM module and to fix with ***biadhesive*** already present on its back in order to consent a greater reception.

BE CAREFUL: in mobile telephone dialer is recorded code IMEI of GSM module, and for this reason the two devices never go replaced or used separately: replacing GSM module mobile telephone dialer stops to work .

3 Programing procedures

3.1 Access to programming

To work, mobile telephone dialer needs at least a telephone number in vocal *Directory or in SMS Directory* , and moreover it is necessary that at least it is recorded a Vocal Message or a *SMS Message*.

In st/by condition mobile telephone dialer visualizes name of operating of GSM, and, spin ,the condition of 6 (or 2,in TDC30) channels of inputs:

To enter to menu:

1. Press **MASTER code** (default "**1234**");
2. Press ▲ o r ▼ until visualizing:

3. Press ↵ (to enter directly in programming, to point 2 press "**8**").

The programming of mobile telephone dialer previews:

□	**Vocal Directory**	16 telephone numbers to which it will be forward *Vocal Messages*
□	**SMS Directory**	16 telephone numbers to which it will be forward *SMS Messages*, and from which commandos CLIP will be activated
□	**Vocal Messages**	6 (in **ERMES / TM60GSM**) or 2 (in TDC30 / TDC22 / TM20GSM) vocal messages of 15 seconds relative to activations of channels 2 vocal messages of 2 seconds relative to two conditions of input INT 12 (in ERMES / TM60GSM) or 4 (in TDC30 / TDC22 / TM20GSM) vocal messages of 2 seconds relative to two conditions of every inputs 12 (in ERMES / TM60GSM) or 4 (inTDC30 / TDC22 / TM20GSM) vocal messages of 2 seconds relative to two conditions of every outputs
□	**SMS Messages**	6 (in ERMES / TM60GSM) or 2 (in TDC30 / TDC22 / TM20GSM) SMS of 100 characters relative to activations of channels 2 SMS of16 characters relative to two conditions of input INT 12 (in ERMES / TM60GSM) or 4 (in TDC30 / TDC22 / TM20GSM) SMS of 16 characters relative to two states of every inputs 12 (in ERMES / TM60GSM) or 4 (in TDC30 / TDC22 / TM20GSM) SMS of 16 characters relative to two states of every outputs.
□	**Channels**	Set up inputs, of conditions and of activation delays
□	**Outputs**	Set up outputs
□	**Parameters**	Amount cycles, amount messages, masking ID, automatic answer
□	**Codici**	Variation of *MASTER code and* of *Controls Code*
□	**CLIP**	Activation of outputs by rings from the present telephones in S*MS Directory*
□	**Info**	Visualization informations of firmware.
□		

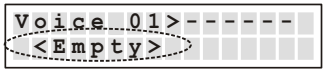
3.1.1 Programming: *Voice Directory*

1. Enter to main menu pressing **MASTER** Code (default "**1234**");
2. Press ▲ or ▼ until visualizing:

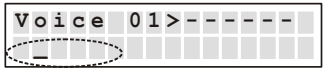
3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Visualize:

Here it is possible to add cellular telephone numbers or of fixed net to which they will be send 6 *Vocal Messages of* alarm

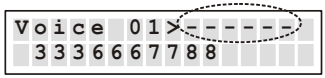
5. Press ↵ to enter;
6. Press ▲ or ▼ to N. Voice to program:



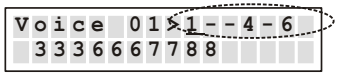
7. Press ↵ to insert the number :



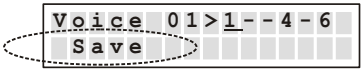
8. Insert the number, so press ↵ for assignation of the numbers of the channels:



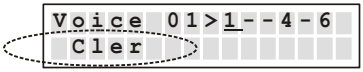
9. Pressing from "**1**" to "**6**" it will be possible to assign telephone number admitted to the channels that will be visualize: for example, press "**1**", "**4**", "**6**" to qualify the channels 1, 4 and 6 to send, when they are activated, the message of alarm to this telephone number; to eliminate the allocation it is enough newly press the number of the channels:



10. Press ↵ for Save or Clear:



or



11. Confirm with ↵:

In this way, if channel 1 or 4 or 6 only comes alarmed the call to this number will be forward and send the relative message of alarm. To insert other numbers repeat operations from point 6.

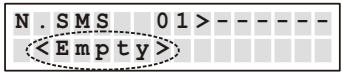
3.1.2 Programming: *SMS Directory*

1. Enter to main menu pressing **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

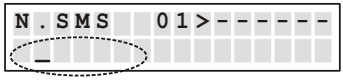
3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ or ▼ until visualizing:

Here it is possible to add cellular telephone numbers to which it will be send 6 *SMS Messages* of alarm;

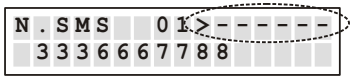
5. Press ↵ to enter;
6. Press ▲ or ▼ until visualizing the cellular number of programming:



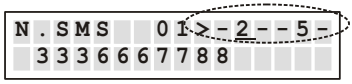
7. Press ↵ to insert the number:



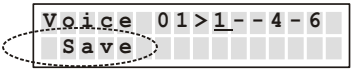
8. Insert the number, so press ↵ to the allocation of the number to the channel:



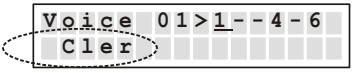
9. Press from "**1**" to "**6**" it will be possible assign the number admitted to the channels visualized, for example



10. Press ↵ for Save or Clear:



or



11. Confirm with ↵:

In this way, if channels 2 or 5 only are alarmed relative SMS message of alarm is forwarded to this number. To insert other numbers repeat operations from point 6.

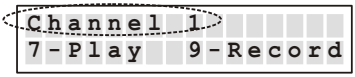
3.1.3 Programming: *Vocal Message*

1. Enter to main menu press **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

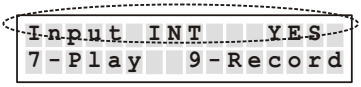
3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ o ▼ until visualizing:

Here it is possible record and listen again to *Vocal Messages*

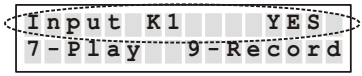
5. Press ↵ to enter;
6. Press ▲ or ▼ until visualizing the message to record or listen again:



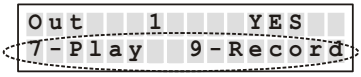
- **Channel 1 - Channel 2 - …** - are 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) vocal messages of alarm (of 15 seconds each one) that will be send to the activation of 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) channels;



- **Input INT SI - Input INT NO** - are the 2 vocal message of state (of 2 seconds each one) that they will communicate the two states of input INT;



- **Input K1 SI - Input K1 NO - …** - are the 12 (ERMES / TM60GSM) or 4 (TDC30 / TDC22 / TM20GSM) vocal message of state (of 2 seconds each one) that they will communicate the two states of everyone of the 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) inputs;

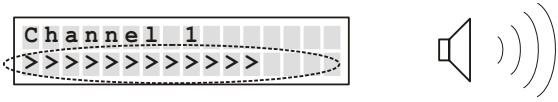


- **Out 1 SI - Out 1 NO - ...** - are the 12 (ERMES / TM60GSM) or 4 (TDC30 / TDC22 / TM20GSM) vocal message of state (of 2 seconds each one) that they will communicate the two states of everyone of the 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) outputs.

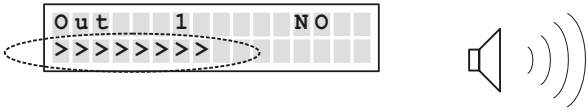
All the messages of state will be use to communicate the state of the system during Remote *Control*, interrogating mobile telephone dialer by DTMF.

o record one of the messages, hold pressed "**9**" to start the record of the message:

It will be visualized the residual time of recording of the message. As soon as it comes left key "**9**" it will be automatically reproduced the recorded message:



To listen again to messages, press ▲ or ▼ until visualizing the message to reproduce and press "**7**":



NOTE:
When a channel will be alarmed mobile telephone dialer carries out a cycle of calls to all numbers in *Voice Directory* link together to that channel to forward relative *Vocal Message* .
Parameter "*Amount Cycles*" described more ahead allows to establish how many times such cycle of calls will have to be repeated. If during the sending of the vocal message it press "**##**", the called number will be excluded from subsequent eventual cycles; it will be carried out the only calls to which answer has not been had, or those to which, in spite of the answer, it has not been press "**##**".

It advisable therefore to insert at the end of recording *Vocal Messages* of alarm a note like: "***...Press twice cancelletto not to receive more this message of alarm***".

3.1.4 Programming: *SMS Message*

1. Enter to main menu pressing **MASTER code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ o ▼ until visualizing:

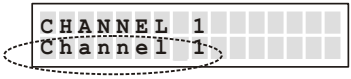
Here It is possible to program *SMS Messages* that will be send to the numbers *SMS Directory*, and those of state that will be instead visualize only on display of ERMES / TM60GSM;

5. Press ↵ to enter;
6. Press ▲ o ▼ until visualizing message to program:

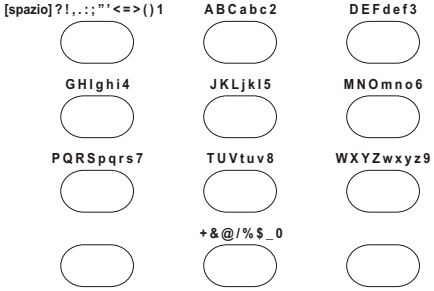
- **Channel 1 - Channel 2 - …** - they are the 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) SMS messages of alarm (of 100 characters eachone) that will be send to the activation of the 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) channels;
- **Input INT SI - Input INT NO** - they are the 2 messages of state (of 16 characters eachone) whom indicate on display of mobile telephone dialer the two states of inout INT;
- **Input K1 SI - Input K1 NO - …** - they are the 12 (ERMES / TM60GSM) or 4 (TDC30 / TDC22 / TM20GSM) messages of states (of 16 characters eachone) whom indicate on display of mobile telephone dialer the two states of everyone of the 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) inputs;
- **Out 1 SI - Out 1 NO - ...** - they are the 12 (ERMES / TM60GSM) or 4 (TDC30 / TDC22 / TM20GSM) messages of states (of 16 characters eachone) whom indicate on display of mobile telephone dialer the two states of everyone of the 6 (ERMES / TM60GSM) or 2 (TDC30 / TDC22 / TM20GSM) output.

NOTE: All the messages will be used to indicate on display the condition of the system during the access to menu in the *Local Control*.

7. Press ↵ to insert the message; it will show a message that describes the name of channel:

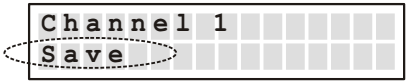


8. To Compose the text of the message it is enough to press one of the keys to visualize in sequence on display ***serigrafate*** letters on panel; the characters available are following:



9. **Use** ▲ or ▼ move with slider to the inside of the message; pressing **ESC** it will be delate the part of message between the slider and the end of the message . If the slider is at the end of the message **ESC** delete the character who preceds the slider .

10. At the end press ↵:



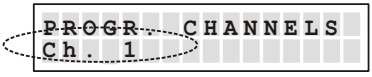
11. Confirm with ↵:

3.1.5 Programming: *Channels*

1. To enter to menu press **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

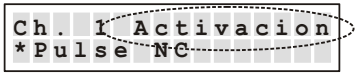
3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ or ▼ until visualizing:

Here it is possible to manage modalities of operation of inputs;
5. Press ↵ to enter;
6. Press ▲ or ▼ until visualizing the channel of which programming input:



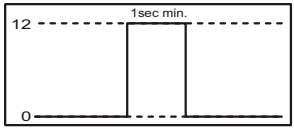
7. Press ↵; Press e ▲ or ▼ until visualizing following parameters:

- **Activation**

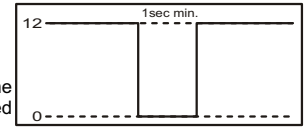


Pressing ↵ the modality of activation of the channel between following will be able to be set up:

- Impulse NA
Tension impulse

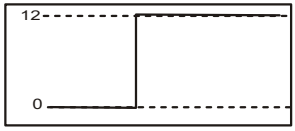


- Impulse NC
Impulse of tension fall

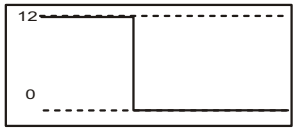


Note: in modality ***Impulse***, the activation of the channel makes to leave the cycle of calls that persist until the term of calls, or until it has not been activated **CALLS** *STOP*.

- Level NA
Forehead of fixed tension



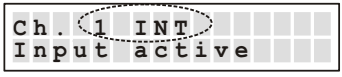
- Level NC
Forehead of fall of fixed tension



Note: in modality ***Level***, the cycle of calls actvated persists until it verifies the state of input activation. At the restoration of input, the cycle of calls in course will be interrupted.

- OFF
In ***OFF*** the channel is not operating; in this way the state of the channel will not be visualize on display (like in example of page.8)

INT



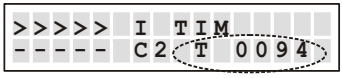
Pressing ↵ the modality of activation between following will be able to be set up:

- Input Active
The activation of the channel is conditioned to the state of input INT.
Like in installation exemple, in coupling to a burglar central unit, it is possible to connect clip INT with output +INT of central to concur with mobile telephone dialer to know the state *inserition* of burglar system, and to send alarm message on channel 1 only to *inserted system*.
Moreover, in such configuration, relè Out 1 is conditioned to input 1: in this way the state of of insertion of the burglar alarm is not employe from the physical state of relè, but rather this last one exchanges until 'feeling' the state of insertion trough input INT.

- Input Disattivo
The activation of the channel is independent from whichever input.

Delay

It is possible to program the delay of the actvation until 9999 seconds on every input. Pressing ↵ it will be possible to program the seconds of the duration of delay. After having insert the four figures, the value will be automatically memorizzato. Once programmed the delay, at the actvation of the channel will be visualized the residual time:



3.1.6 Programming: *Outputs*

1. To enter to menu press **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ o r ▼ until visualizing:

Here it is possible to manage modalities of operation of outputs;

5. Press ↵ to enter;
6. Press ▲ o r ▼ until visualizing the output to program:

7. Press↵; ▲ or ▼ until visualizing following parameters:

Way

Pressing ↵ it will be possible to set up the modality of operation of output between following:

- ON/OFF
A local or remote commando of "ON" (key 7) active the output, a local or remote commando of "OFF" (key 9) if input is disabled.

- ON/OFF >>Input
A local or remote commando of "ON" (key 7) active the output only if the input to which it is link together is disabled and produce any effect if the input is active; a commando of "OFF" (key 9) disabled the output only if the input to which it is link together is active and produce any effect if the input is disabled.

- TOGGLE
A local or remote commando of "ON" or di "OFF" inverts the state of output.

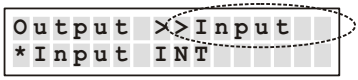
- PULSE
A local or remote commando of "ON" or di "OFF" generates an impulse of duration from 0,1 to 9,9 seconds.

- PULSE >>Input
A local or remote commando of "ON" (key 7) generates an impulse of duration from 0,1 to 9,9 seconds only if the input of reference is not active it produce any effect if the input of reference is active; a commando of "OFF" (key 9) generates the impulse only if the input of reference is active, and it produce any effect if the input of reference is not active.

Modalities “with Input” are used in the connection example to command the insertion of a burglar central unit in coupling to another system of commando (electronic key).

- **Input**

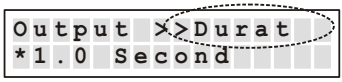
Once programmed the operation way, if this is of type “***ON/OFF >>Input***” or “***PULSE >>Input***”, press ▲ or ▼ until visualizing:



Pressing ↵, with keys ▲ and ▼ it will be possible to choose the input to which it will make reference the output, and confirm it with ↵.

- **Duration**

Once programmed the operation way, if this is of type“***PULSE***” o “***PULSE >>Input***”, press ▲ or ▼ until visualizing:



Pressing ↵ it will be possible to program the seconds and the tenth of seconds of the duration of the impulse. After having insert the two figures, the value it will be automatically recorded.

3.1.7 Programming: *Parameters*

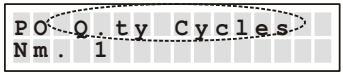
1. To enter to men until visualizing:

3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ or ▼ until visualizing:

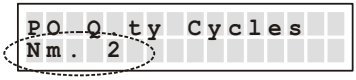
Here it is possible to manage the parameters of operation of mobile telephone dialer;

5. Press ↵ to enter;
6. Press ▲ or ▼ until visualizing one of the following parameters to program:

- **P0: Amount Cycles**



When a channel is alarmed, mobile telephone dialer carries out a cycles of calls to all the numbers inserted on *Voice Directory* links together to the alarmed channel . Such parameter allows to establish how many times such cycle of calls will have repeated.
In factory, such value is set up to **3**; to modify it press ↵:



Press a value between 1 and 9; the value will be recorded and it returns to the menu of parameters.

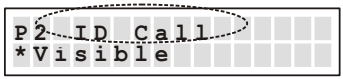
NOTE:
To every call mobile telephone dialer recognizes the happened answer and during the call (see *Remote Control*) the pressing of two "**##**" recognizes to exclude the same call from eventual subsequent cycles.
For which, during the cycles of subsequent calls will be carried out the only calls to which answer has not been had, or those to which, in spite of the answer, it has not been pressed "**##**".

- **P 1: Amount Messages**

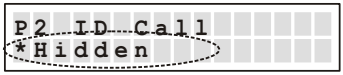
It allows to establish the number of repetitions of the message to every call. In factory, such value is set up to **3**; to modify it press i ↵:

Press a value between 1 and 9; the value will be recorded and it returns to the menu of parameters.

P 2: ID Call



It allows to establish if the telephone number of SIM in GSM module of mobile telephone dialer must be sent during the vocal call, that is those forwarding to the numbers of *Voice Directory*; logically such parameter does not influence on the sending of SMS in which the number of the sender is always visible. In factory, such value is set up on **Visible**; to modify it press ↵ ; press ▲ or ▼ until visualizing:



Press ↵; the value will be recorded and it returns to the menu of parameters.

P3: Answer

It allows to establish if mobile telephone dialer must answer automatically to the calls in input to carry out the *Remote Control*. In factory, such value is set up on **Si**; to modify it press ↵; press ▲ o r▼until visualizing:

Press ↵; the value will be recorded and it returns to the menu of parameters.

3.1.8 Programming: *Codes*

1. To enter to menu press **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ or ▼ until visualizing:

Here it is possible to modify the codes of access of mobile tele phone dialer (see par. 4.2 a pag.24);

5. Press ↵ to enter;
6. Press ▲ or ▼ until visualizing the access code parameters to modify:

- **Code MASTER**

It is the code with which it is possible to approach all the voices menu (see pag.9). In factory, such value is set up to "**1234**"; to modify it press ↵:

Press the four figures that compose new MASTER code to program; the value will be recorded and it returns to the menu of parameters.

- **Code COMMANDOS**

It is the code with which it is possible to approach the single voice of menu COMMANDOS OUTPUTS (see pag.9).In factory, such value is set up to "**1234**"; to modify it press↵:

Press the four figures that compose new COMMANDOS code to program; the value will be recorded and it returns to the menu of parameters.

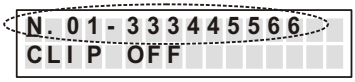
3.1.9 Programming: *CLIP*

1. To enter to menu press **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing

3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ or ▼ until visualizing:

Here it is possible to assign to the CLIP function to the telephone numbers present in *SMS Directory*; in fact all the inserted telephone numbers in *SMS Directory* are visualized. From everyone it will be possible to active one of the 6 commandos in output by a **single ring** forwarded towards the cellular telephone number of mobile telephone dialer.

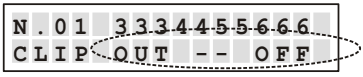
5. Press ↵ to enter;
6. Press ▲ or ▼ until visualizing the cellular number on which activating function CLIP:



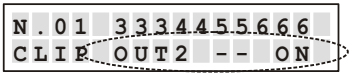
It will not possible to activate function CLIP to the empty positions *SMS Directory*, as in following case:

7. Press ↵:

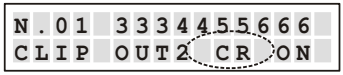
8. At this point it is possible to assign the channel that it will be activated from the selected telephone number, pressing a key from "**1**" to "**6**";for example, "**2**":



9. So, pressing "**7**" or "**9**" it will be possible to establish if the commando will be respective an *activation* or a no *activation of the output*. For example, "**7**":

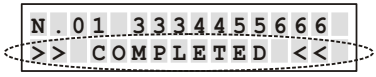


10. After executing commando, it can follow from a ring of confirmation transmitted from mobile telephone dialer to the cellular telephone that has carried out the activation , as confirmation of execution of commando. Such function is qualified pressing "**8**":



Finally, pressing "**0**", it will be possible not to activate function CLIP on the visualized number:

At the end of the aforesaid operations press ↵:



BE CARE FULL
It is possible to assign **a single commando to every telephone number**; that worth even if it will be inserted the same telephone number in more positions of *SMS Directory*, and active function CLIP on all the containing positions the repeated telephone number: in this case programmed function CLIP in the first position of directory will be operating.

Programming: *Info*

1. To enter to menu press **MASTER Code** (default "**1234**");
2. Press ▲ or ▼ until visualizing:

3. Press ↵ (or, to enter directly in programming "**8**" after Code);
4. Press ▲ or ▼ until visualizing:

5. Press ↵ to enter in the visualization of information of hardware; Press ▲ or ▼ until visualizing:

- The version of firmware mobile telephone dialer;
- The version of firmware GSM module;
- IMEI code of GSM module.

4 Operating

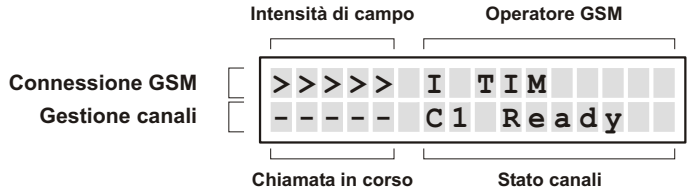
4.1 General description of operation

The activation of a channel by relative input generates in sequence:

- The sending of a SMS of 100 characters to cellular telephones memorizzati in *SMS Directory*
- One or more cycles of call to cellular telephones or fixed net memorizzati in *Voice Directory*, forwarding a vocal message of 16 seconds repeated more times.

It is to control the outputs both locally, both from remote (by DTMF) after having received the call of alarm of mobile telephone dialer (to the numbers memorizzati in *Voice Directory*), or after that mobile telephone dialer answered automatically to our call (see *Programming - Parameters - Answer* at page 23): in remote it is possible to know the state of the inputs and outputs by short local messages (of 2 seconds) personal ones for every outputs in every state.

4.2 Local control



Normally, it will be visualize on panel the relative data to GSM connection, the state of the calls in course and the state of the channel in input qualify.

To approach to the voices of menu of operation indicated of continuation for the local control is necessary that mobile telephone dialer is in the condition visualized over, and press **MASTER Code** (default "**1234**", or holding pressed the inner key to mobile telephone dialer for approximately 10 seconds), or **COMMANDOS Code** (default "**5678**"):

	Code MASTER	Code COMANDI
1 - STOP CYCLES - it allows the interruption of the call cycles	•	•
2 - STOP CALLING - it allows the interruption of running call	•	•
3 - COMMANDOS OUTPUTS - it allows the direct control of outputs	•	•
4 - INPUTS STATE - it allows the monitoring of the state of inputs	•	•
5 - OUTPUTS STATE - it allows the monitoring of the state of outputs	•	•
6 - OUT OF ORDER - it allows the putting in *out of order*	•	/
7 - IN OF ORDER - it allows the putting in *in of order*	•	/
9 - CALL- it allows the use in local of mobile telephone dialer like GSM telephone	•	/

4.2.1 Local control: *STOP Cycles*

Enter to main menu by MASTER code; it visualizes:

```
1-STOP CYCLES
```

Press ↵:

```
>> COMPLETED <<
```

This option stop whichever cycle of calls that has been activated on whichever channel. The arrest of the cycle is valid also for the inputs set up in modality *level* for which the cycle persists till is present the condition of level of tension positive or negative (see par. 3.1.5).

4.2.2 Local control: *STOP CALLING*

Enter to main menu by MASTER code; press "**2**", or press ▲ or ▼ until visualizing:

```
2-STOP CALL
```

And press ↵:

```
>> COMPLETED <<
```

This option stop the running call.

4.2.3 Local control: OUTPUTS *COMMANDOS*

Enter to main menu by MASTER code, or by code COMMANDOS; press "**3**", or press ▲ or ▼ until visualizing:

```
3-COMMAND OUTPUT
```

and press ↵:

```
Select 1....6
```

So choose the output to command by keys "**1 … 6**"; it will be visualize *SMS message* of the output, in its actually state, for example:

```
Irrigation ON
```

So, use keys "**7**" e "**9**" to control the output second its programming (par. 3.1.6 to pag. 16):

- If the output is set up "**ON/OFF**", key "**7**" actives the output and key "**9**" disattiva it.
- If the output is set up "**TOGGLE**", both key "**7**" both "**9**" invert the state of output.
- If the output is set up "**PULSE**", both key "**7**" both "**9**" create an impulse on the output.
- If the output is set up also on "**>>INPUT**" the operation of keys **7**" and "**9**" is conditioned from the state of input of reference.
  In example of installation of page 5 relè of electronic key and relè of mobile telephone dialer are interconnected to exchange to insert and not to insert the burglar system by both the devices; in this way, in fact, the reversal of state of everyone of the relè causes the insertion and not insertion of the system.
  That involves, so, that the activation of relè of mobile telephone dialer always DOES NOT correspond to the insertion of the system.
  To operate an insertion commando it is therefore necessary to know the effective state of central unit by its output "**+Int**" connected to input "**INT**" of mobile telephone dialer. In this way, pressing "**7**" to the insertion, mobile telephone dialer will exchange the state of its relè only if the central unit will turn out not insert, otherwise not will be effect; consequently it will not be visualized the relative message to the state of the output relè, but the state of input "**INT**" on which relè dipands, to indicate the real state of the system. So, if display visualizes:

  ```
  BURGLAR ALARM ON
  ```

  Such message will be relative to the state of input "**INT**", and an eventual commando will simply correspond to a reversal of the state of the relè, to visualize the turning out state of the input:

  ```
  BURGL. ALARM OFF
  ```

4.2.4 Local control: INPUTS STATE

Enter to main menu by MASTER code, or by code COMMANDOS; press “4”, or press ▲ or ▼ until visualizing:

```
4-STATUS INPUT
```

and press ↵:

```
Select 1....6
```

Choose the input of which is wanted to be known the state by keys 0 … 6; it will be visualize the description of that input , in its actually state, for example:

```
Input 2 ON
```

To visualize other channel, press keys 0 … 6; it will be visualize the description of that input , in its actually state, for example:

```
Input 6 OFF
```

4.2.5 Local control: OUTPUTS STATE

Enter to main menu by MASTER code, or by code COMMANDOS; press “5”, or press ▲ or ▼ until visualizing:

```
5-STATUS OUTPUT
```

and press ↵:

```
Select 1....6
```

Choose the output of which is wanted to be known the state by keys 0 … 6; it will be visualize the description of that input , in its actually state, for example:

```
Irrigation ON
```

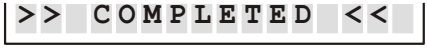
To visualize other channel, press keys 0 … 6; it will be visualize the description of that input , in its actually state, for example:

```
Lights OFF
```

4.2.6 Local control: OUT OF ORDER

Enter to main menu by MASTER code, or by code COMMANDOS; press “6”, or press ▲ or ▼ until visualizing:

and press ↵:

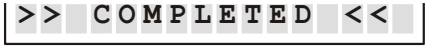


This option suspends every functionality of mobile telephone dialer.

4.2.7 Local control: *IN OF ORDER*

Enter to main menu by MASTER code, or by code COMMANDOS; press “7”, or press ▲ or ▼ until visualizing:

and press ↵:

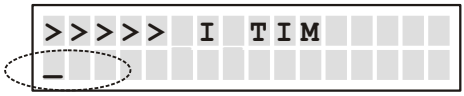


This option starts again every functionality of mobile telephone dialer.

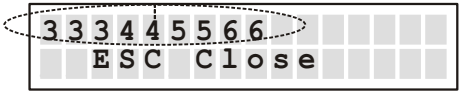
4.2.8 Local control: CALL

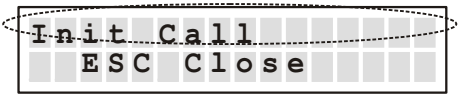
Enter to main menu by MASTER code, or by code COMMANDOS; press “7”, or press ▲ or ▼ until visualizing:

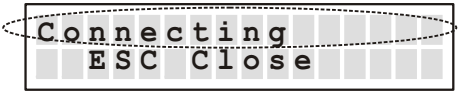
pressing ↵; it will be visualize:



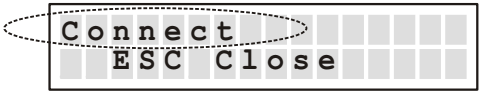
Press the telephone number to dial, so press ↵; it will be visualize following passeges:

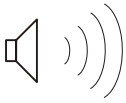






And, to the answer:





At the end, to interrupt telephone connection press “**ESC**”.

4.3 Remote control

From whichever telephone of fixed or cellular net (equipped of DTMF) it is possible to approach the *remote Control*:

- After that Ermes / TM60GSM has forwarded a call of alarm towards that inserted telephone *Voice Directory*, and it has begun to reproduce *Vocal Message*;
- And after having advanced a call towards ERMES / TM60GSM, and have listened to the *beep* emitted from mobile telephone dialer after the answer.

1. Insert **MASTER Code** (default "**1234**") or **Code COMMANDOS** (default "**5678**"):

2. Press:

#0 **END CONNECTION**
It interrupt the call in course

#1 **STOP CYCLE IN COURSE**
It interrupt the cycle of relative calls to the single alarmed channel

#2 **STOP ALL CYCLE**
It interrupt the cycle of relative calls to all alarmed channels

#3 **OUTPUTS COMMANDOS**
It consets to control outputs:
Press from "**1**" to "**6**" to select the output to control
Press "**7**" to active the output
Press "**9**" to not active the output
It follows *Vocal Message* of relative state to the commanded output

#4 **AMBIENT LISTENING TO VOICE LIVES**
It consent to listen to the noises in the ambient in which ERMES / TM60GSM is found
Press "**7**" to active ambient listening (with high sensibility microphone)
Press "**9**" to active il voice lives (it reduces the sensibility microphone)

#5 **INPUTS/OUTPUTS INTERROGATION**
It consent to interrogate inputs or outputs:
Press "**7**" to select INPUTS (default)
Press "**9**" to select OUTPUTS
Press da "**1**" a "**6**" to select input or output to interrogate; in the case of *INPUTS* press "**0**" to interrogate input *INT*
It follows vocal message of relative state to the input or output interrogated (in the case of outputs, if the interrogated output is dependent to input INT the message of relative state will have been of this last one, see par. 4.2.3)

#6 **OUT OF ORDER (WITH STOP OF ALL CYCLES)**
It stops every functionality of mobile telephone dialer.
Press "**00**" to confirm.

#7 **RESTORATION IN SERVICE**
It starts again every functionality of mobile telephone dialer.

4.4 Function CLIP

Mobile telephone dialer is in a position to accepting commandos CLIP, that is, by the single recognition of identificative of calling, without necessity to answer to the call (thus avoiding telephone expenses) mobile telephone dialer is in a position to active or not active outputs like established in phase of programming; in fact it is possible to active function CLIP on every number of *SMS Directory* specifying, for every number, the output to command and the commando to execute (activation or not activation), specifying even if telephone ring of confirmation is desired to receive (see par. 3.1.9 *Programming CLIP* to page. 21).

Once programmed the function on channel:

- Dial the telephone number of SIM inserted in mobile telephone dialer, from a telephone inserted in *SMS Directory* and on which it has been activated the function.
- At the recognition of the calling ID mobile telephone dialer refuses the call and executes the commando assigned to relative function CLIP .
- So, it send, if programmed, a ring of confirmation to the number of which it has recognized ID.
- If it is necessary to call mobile telephone dialer to execute some remote commandos, it is possible to mask own ID calls, by the built in function of own telephone, or by prefixed "**#31#**" dialled before the telephone number of mobile telephone dialer.

HiLTRON S.r.l.
PROGETTAZIONI E PRODUZIONI ELETTRONICHE

DICHIARAZIONE CE DI CONFORMITA'

CONSTRUCTOR: **HiLTRON S.r.l.**

ADRESS: **Via Caserta al Bravo, 218 - 80144 - NAPOLI**

TRADE MARK:

CODE OF PRODUCTS: **ERMES, TDC30, TM60GSM, TM20GSM, TDC22**

DESCRIPTION OF PRODUCTS: **MOBILE TELEPHONE DIALER 6IN/6OUT WITH VOCAL MESSAGES, MOBILE TELEPHONE DIALER 2IN/2OUT WITH VOCAL MESSAGES,**

DESCRIBED PRODUCTS OVER TURN OUT CONFIRMING TO REQUIREMENTS PRESCRIBED IN THE FOLLOWING NORMS:

APPLIED NORM	TITLE
EN50081-1	GENERIC NORM OF EMISSION Class of the generic norm: domestic, commercial and light manufacturer.
EN50082-1	GENERIC NORM OF OF IMMUNITY Class of the generic norm: domestic, commercial and light manufacturer.
EN60065	NORMFOR THE EMERGENCY OF APPARATUSES ELECTRICAL WORKERS AND THEIR ACCESSORIES CONNECTED TO THE NETS OF DOMESTIC USE AND ANALOGOUS USE

THE CONFORMITION HAS BEEN ESTIMATED ON BASE OF TESTESEXECUTED ON SAMPLES AND WITH PREPARATION THAT IS SIMALAR TO THE CONFIGURATION WORK PREVIEWED FOR ITS USE, SO THE PRODUCTS SATISFY REQUIREMENT OF THE DIRECTIVE 89/336/CEE AND, WHERE APPLICABLE, OF THE DIRECTIVE 73/23 CEE.

DATE

20 November 2002

DELEGATE ADMINISTRATOR

DICHIARAZIONE DI CONFORMITA' RoHS

SECONDO LA DIRETTIVA 2002/95CE del Parlamento Europeo del 27 Gennaio 2003
sulla restrizione dell´uso di determinate sostanze pericolose nelle apparecchiature elettriche ed elettroniche.

DATA

01 Luglio 2006

L'AMMINISTRATORE DELEGATO

DICHIARAZIONE DI CONFORMITA' RAEE

Questo prodotto è soggetto alla Direttiva 2002/96/CE sui rifiuti di apparecchiature elettriche ed elettroniche (RAEE),come indica la presenza sul prodotto stesso del marchio.

DATA

01 Luglio 2006

L'AMMINISTRATORE DELEGATO

Quality management system UNI EN ISO 9001:2000

Company complying with Environmental management System UNI EN ISO 14001:2004

CE EMC 89/336 CEE
MADE IN ITALY

Lead free Pb RoHS compliant

Partitioned picking of electric and electronic appliances