



VOICE & SMS DIALLER

VOICE 4 - VOICE 4 GSM

Installer and User Manual

HARDWARE VERSION 2003

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HARDWARE VERSION 2.0

DECLARATION OF CONFORMITY

Product identification : VOICE 4

is in conformity with the provisions of the following EC directive(s) (including all applicable amendments)

Reference n°	Title
99/5/CE	Directive on radio equipment and telecommunications terminal equipment and the mutual recognition of their conformity

and that the standards referenced here below :

Harmonized std.	Title
EN 55022:1998 + Amendment A1:1998	Information technology equipment - Radio disturbance characteristics & Limits and methods of measurement
EN 55024:1998 + Amendment A1:2001	Information technology equipment - Immunity characteristics & Limits and methods of measurement
EN 50130-4:1995 + Amendment A1:1998	Alarm systems - Part 4: Electromagnetic compatibility - Product family standards: Immunity requirements for components of fire, intruder and social alarm systems
EN 60950 : 2000	Safety of information technology equipment
EN 41033:1998	Particular safety requirements for equipment to be connected to telecommunications networks

Product identification : VOICE - KIT GSM

Harmonized std.
99/5/CE - EN 30130-4:1995 +Amendment A1:1998 - EN 60950 : 2000 EN 301 488-07 (09-2000) - EN 301 419-1 (03-2000) - EN 301 511 V7.3.1 (12-2000)

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1. RANGE OF DIALLERS “THE VOICE”

The range of “**THE VOICE**” diallers is now available in several versions: VOICE 4P, VOICE 4M, VOICE 4P GSM and GSM KIT for VOICE 4M.

VOICE 4P is the founder of “**THE VOICE**” family and it's the basic model with a plastic case from which derive the other models. It was projected to satisfy the need of a small voice dialler, well protected from noises and electrical shocks on the telephone line. It has 4 channels with 2 distinct lock commands on board, low battery message, 2 outputs (1 form C relay / 1 O.C.) activated from DTMF remote telephone or dialler's keypad, 1 output for line fault (PSTN/GSM), 1 output for SIM fault or expiry Date (just for GSM), anti-tamper protection and removable terminal strip.

Is possible to record 4 independent channel messages (max. 15 secs. each) + 1 common message (max 15 secs.) and use the 4 different messages separately or combined with the common message. Is possible to record a Line Fault Message (PSTN or GSM) and a Fault SIM Message automatically announced by the internal loudspeaker.

Messages to communicate the state of the outputs and the ABIL inputs (for example :“Control panel armed”, “Control panel disarmed”, “Heating on/off”, “Lights on/off”).

8 phone numbers + 1 “Follow Me” number, freely programmable and relate to each of the 4+1 channels.

Answering machine cutoff.

Alarm delay programmable up to 135 secs.(channel 1 only).

Reset to default parameters (software and/or vocal messages)

Dedicated individual access code programmable for Installer and User.(5 digits)

VOICE 4M has same features as **VOICE 4P** plus:

metal cabinet with anti-tamper protection and battery location (2 Ah) - possibility to add the Dual Band GSM module (GSM Kit) with an easy operation - choice of priority line (PSTN or GSM) or automatic backup on available line - listen-in/speak-in module (on request) - vocal and/or SMS messages – Date & Time to manage SIM's expiring Date – level of GSM field indication – prefix number for telephone exchange – remote query of dialler's status (level of GSM field included) with complete response (all through SMS).

VOICE 4P GSM is a compact GSM dialler that uses the same plastic case of **VOICE 4P** with internal Dual Band antenna and GSM module. It is **just** GSM (not PSTN), but has the same software functions of **VOICE 4M** with GSM Kit.

GSM KIT for VOICE 4M is composed of 1 Dual Band GSM module + fixing screws + antenna + flat cable.

All **THE VOICE** models, are in accordance with TBR 21.

1.1 Installation of “THE VOICE” dialler (PSTN plastic box version)

To install the dialler it's necessary to remove the small cover on the screw, located on the bottom side of the front cover, under the keypad. Take the screw off and open the shell of the dialler.

Fix the back of the shell on the wall, using the holes provided for Bticino flush box 503 or fix it to the wall using appropriate fasteners.

To obtain properly the anti-tamper protection, you must use the engraved hole on the back of the shell.

After fixing the back of the dialler, connect the cables as shown in the scheme of the next page, close the dialler and power the system.

1.2 Installation of “THE VOICE” dialler (GSM plastic box version)

To install the dialler it's necessary to remove the small cover on the screw, located on the bottom side of the front cover, under the keypad. Take the screw off and open the shell of the dialler.

Fix the back of the shell on the wall, using the holes provided for Bticino flush box 503 or fix it to the wall using appropriate fasteners.

To obtain properly the anti-tamper protection, you must use the engraved hole on the back of the shell.

After fixing the back of the dialler, connect the cables as shown in the scheme of the next page, put the SIM in its location, (in order to prevent damages NOT covered by warranty, please put & remove the SIM, ALWAYS WITHOUT ANY POWER SUPPLY), than close the dialler and power the system.

1.3 Installation of “THE VOICE” dialler (PSTN/GSM metallic box version)

Open the metallic box and fix it to the wall, using the apposite holes on the rear.

After fixing the box, connect the cables as shown in the scheme of the next page, close the dialler and power the system.

WARNING :

THE LIGHTNING PROTECTION ON THE TELEPHONE LINE, WORKS PROPERLY ONLY IF THE GROUND TERMINAL IS CONNECTED.

2. ELECTRICAL WIRING

The dialler has three terminal blocks M1 and M2 located on the right and on the left side of the board. The M1 block is used to connect the input of telephone line (LIN) and the output of the line from THE VOICE (TEL) and for the connection to the ground (Note: These terminal blocks aren't present in THE VOICE 4P GSM).


The M2 terminal block is provided with power clamps, inputs to lock (ABIL.1-2 and ABIL.3-4) and to alert the four alarm channels (IN1, IN2, IN3, IN4), the fault line alarm (GL), the SIM alert (GS) and furthermore, the two outputs (one form C contact relay and one O.C.) locally or remotely controlled by the telephone DTMF (it can be used, for example, to arm an alarm control unit or a heating).

The M3 block is used to connect the tamper (T-T)

By the jumper J14, placed near the relay, you can choose the status of the relay contact NC or NO (default is NC).

In the metal box version it is possible to fit inside a GSM interface (with provided flat cable)

2.1 Terminal block M1

	Ground connection
LIN.	Telephone line connection (line input)
LIN.	Telephone line connection (line input)
TEL.	Phone out connection
TEL.	Phone out connection

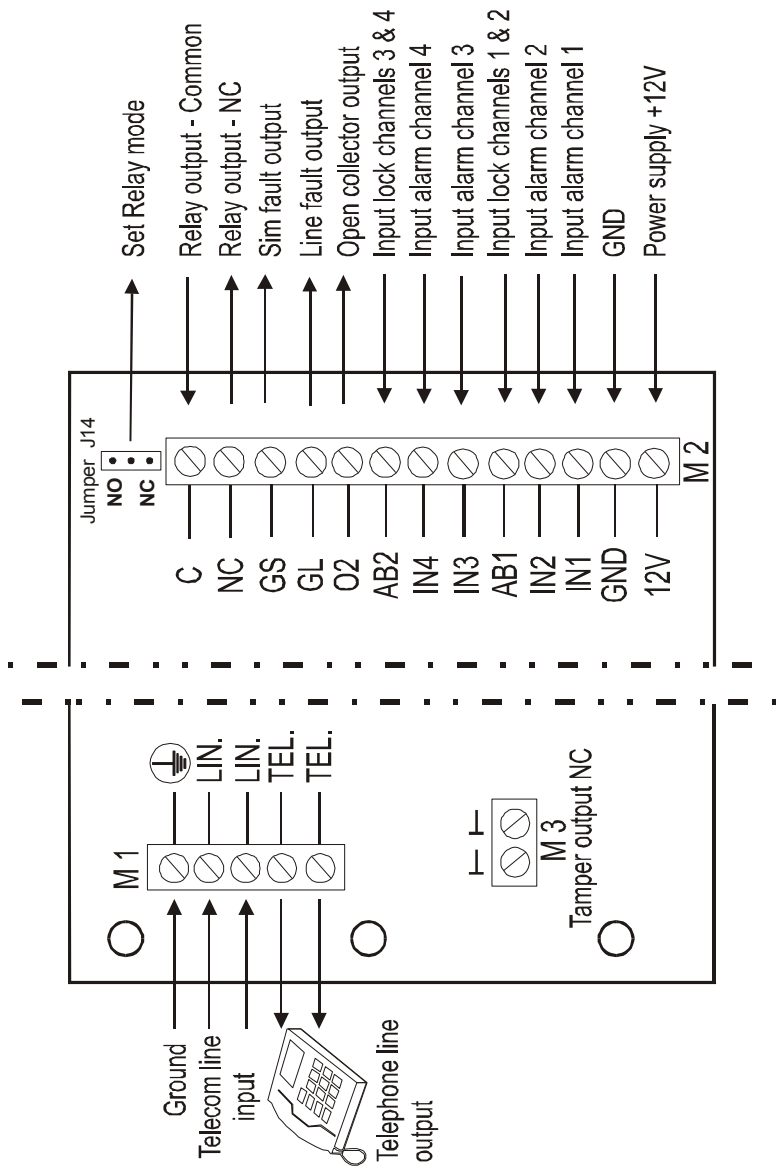
2.2 Terminal block M2

C	Common relay output 1
NC or NO	NC or NO relay output 1 (programmable with a jumper)
GS	SIM fault alarm
GL	Line fault alarm
O2	Output 2 O/C
AB2	Input to lock/unlock channels 3 & 4
IN4	Input to alarm channel 4
IN3	Input to alarm channel 3
AB1	Input to lock/unlock channels 1 & 2
IN2	Input to alarm channel 2
IN1	Input to alarm channel 1
GND	Ground
+12V	Power +12V dc

2.3 Terminal block M3

T	Tamper alarm
T	Tamper alarm

2.4. CONNECTIONS



3. GUIDED PROGRAMMING

Hereafter we show the way to get an easy and quick access to the programming.

You will find directly on each key, the main functions of the programming such as: entering and exiting from programming, recording and listening the messages and memorizing of phone numbers.

For a more specific and advanced programming of "THE VOICE" it will be necessary to look at the paragraph "ADVANCED PROGRAMMING". (see page 6)

3.1 Start of programming

From the stand-by status

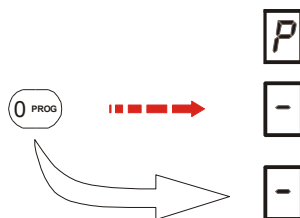
- 1) Digit the installer code (default 12345)
- 2) Press the key "0 PROG"



3.2 End of programming

From the programming status

- 1) Digit key "0 PROG" or wait for 60 seconds



Or await 60 seconds
without pressing any key

ATTENTION:

IF YOU HAVE PROGRAMMED PHONE NUMBERS AND NOTHING IS CONNECTED TO ALARM INPUTS, WHEN YOU RETURN TO STAND-BY CONDITION THE DIALLER STARTS A PHONE CALL.

4. REFERRING GUIDE OF KEYS

Every key corresponds to a menu or a programming function.
The main menus are 12 and are referred to the following keys:

- 1: PULSE / TONE
- 2: RINGS NUMBER
- 3: TONE VERIFY
- 4: LINE FAULT
- 5: POLARITY OF INPUTS
- 6: DELAY CALLS
- 7: MESSAGES REPEAT
- 8: NUMBER REPEAT
- 9: PHONE NUMBERS
- REC: VOCAL MESSAGES RECORDING
- PLAY: VOCAL MESSAGES LISTENING
- CHANGE CODE: TECHNICAL CODE CHANGE

There are 3 function keys:

- TEST ESC: MANUAL TESTING OF CALL (VOCAL OR SMS)
- 0 PROG: TO ENTER / EXIT PROGRAMMING
- ↵: TO CONFIRM ANY CHOICE

Find here the extended description of menus and function keys.
To enter in programming mode:



Key 1: PULSE or DTMF (default is set = 1)

- Choice of dialling mode:
- PULSE = 0
- TONE(DTMF) = 1

This function allows to select the pulse or tone composition to fit both the old decadic telephones and the new multifrequency ones.

After starting programming, press key “1 PULSE-DTMF” to modify this parameter.
Display shows the actual value of the parameter.

0	Pulse
1	DTMF Tone - (DEFAULT)

Digit the new value that will be shown on the display or confirm the old one.
After that, the display returns again to the programming condition “P”.

PROCEDURE:

“1”, “2”, “3”, “4”, “5”, “PROG”, “1”, “0/1” OR “↵”

Key 2: RINGS IN (default is set = 0)

Setting of number of rings needed to activate THE VOICE answer for external inquiry. The number of rings is referred just for external calls to PSTN number, otherwise for GSM number, the answer is set always at the first ring.

The value to set is **0 ÷ 9**.

When choose "0" there's no answer.

When choose "1" there's just the jump of answering machine.

Values **2 ÷ 9** set the number of rings before THE VOICE answers, then it waits for the entering of User Code.(The answering machine override is always operating)

The installer can program the number of rings before the dialler answers to a telephone call (i.e. to activate from a remote DTMF telephone, the outputs OUT1 or OUT2). Press key "2 RINGS IN " to modify this parameter. Display shows the actual value of the parameter.

0	Dialler never answers (DEFAULT)
1	Activated only the function of jump answering machine. To obtain answer from the dialler you must observe this procedure: call, wait for 1 ring, hang up, call again within 20 secs. then the dialler answers at the first ring.
2÷9	Number of rings before the dialler answers. The function of jump answering machine is activated.

Digit the new value that will be shown on the display or confirm the old one.

After that, the display returns again to the programming condition "P".

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "2", "0.....9" OR "←"

Key 3: MODE TONE (default is set = 0)

Setting of automatic control of LINE TONES (PSTN) for "line ready", "line engaged" or "call without answer". If you choice this function, THE VOICE needs to verify every time the above parameters.

The control of "line ready", verifies if there's present the typical "TOO -TOO" tone (used in Italy) and permits the outgoing call **just** if this tone is present, otherwise THE VOICE doesn't make any call and the display shows the indication of faulty PSTN line.

So, you can understand that the line tone control, must be used **just** with PSTN lines with public PABX or, viceversa, must be disabled if THE VOICE is connected to a PABX with continue line tone or when used out of Italy.

The line tone control, synchronizes the outgoing call with the presence of the line and verifies if the telephone line is responding to the law paramethers.

If the tone control is not used, the dialler engages the line and after 5-6 secs.starts to dial the first number.

The line tone control for "line engaged" or "call without answer", is very useful to verify if the called number is not available and quickly jumps to the next one.

The control of "call without answer", synchronizes the message start at the answer tone.

These two controls: "line engaged" & "call without answer", can be activated or not, just both together.

Settings of MODE TONE:

- ALL ACTIVATED = 0
- LINE READY (NOT)
LINE ENGAGED & CALL W/OUT ANSWER (YES) = 1
- LINE READY (YES)
LINE ENGAGED & CALL W/OUT ANSWER (NOT) = 2
- ALL DISACTIVATED = 3

Press key "3 MODE TONE " to modify this parameter.
Display shows the actual value of the parameter.

0	Recognition of dial tone, engaged & absent tones activated (DEFAULT)
1	Recognition of dial tone excluded, recognition of engaged & absent tones activated
2	Recognition of dial tone activated, recognition of engaged & absent tones excluded
3	Recognition of dial tone, engaged & absent tones excluded

Digit the new value that will be shown on the display or confirm the old one.
After that, the display returns again to the programming condition "P".

PROCEDURE:

"1", "2", "3", "4", "5", "PROG", "3", "0...3" OR "←"

Key 4: LINE TEST (default is set = 1)

This function actives/disactives the automatic periodic control of PSTN / GSM line and informs you if the line is ready or faulty. This control is made by THE VOICE every 60 minutes for the PSTN line and every 30 seconds for the GSM line.

Settings of LINE TEST:

- CONTROL DISACTIVATED = 0
- CONTROL ACTIVATED = 1
- CONTROL ACTIVATED + LOCAL VOCAL MESSAGE = 2

With LINE TEST disactivated (0), the periodic control is disactivated too, but THE VOICE displays anyway (on its display and on GL output), if there is some PSTN line fault during an outgoing call. (see MODE TONE settings).

If also the MODE TONE (see) is set ALL DISACTIVATED (3), the dialler will try to call anyway (obviously with no response) and after the whole cycle of calls (without line), it will activate the GL output because NOBODY confirmed the receipt of the call by pressing (*) or (#).

The same happens with GSM line, when for several problems (no coverage, sabotage etc.), the dialler can't obtain at least one confirm from one of the called numbers (*) or (#).

If you set LINE TEST (2), the dialler displays "L" if there's a PSTN fault or " L " if there's a GSM fault and activates the GL output as for set (1) but, in addition, you have also a vocal message of Line Fault (if previously recorded from the Installer); this message will automatically stop if the line returns ready or by entering of "User Code" + "←". This operation stops **just** the vocal message but the display and the GL output will remain until Line Fault is restored.

If you enter or exit from the Technical Menu (**12345 + 0 PROG**) you will obtain a temporary RESET but, if the line is still faulty, after a few seconds THE VOICE will display again "L" or " L" and GL output will operate. In faulty line condition, it will test the status of the PSTN line every 15 minutes or every 30 seconds in case of GSM fault.

Press key "4 LINE TEST " to modify this parameter.

Display shows the actual value of the parameter.

0	Periodic test of the telephone line excluded
1	Periodic test of the telephone line activated (DEFAULT)
2	Periodic test of the telephone line with message on the loudspeaker activated

Digit the new value that will be shown on the display or confirm the old one.

After that, the display returns again to the programming condition "P".

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "4", "0..2" or "←"

Key 5: SET IN-OUT

This function is useful to set the polarity of inputs (4 channel inputs, 2 lock/unlock inputs), the stand-by status of outputs and the operating mode of relay & O2 outputs. You can choose the pulsed output (from 1 to 9 secs.) or the on/off (toggle).

The fault outputs GL (faulty line) and GS (faulty SIM) are programmable just for the stand-by status, not for polarity and are referred to negative (GND) and can be set normally High that open in fault condition or normally open that close to negative (GND) when a fault condition is present. The polarity of inputs fixes the stand-by status (independent for each input) and can be set as N.C. or N.O. referred to negative or positive.

The **SET IN-OUT** menu, has 9 different possible settings as:

Key 1 = channel 1 input	set 0 = open in stand-by, on alarm when connected to GND set 1 = in stand-by when connected to GND, on alarm when open set 2 = open in stand-by, on alarm when connected to +12V. set 3 = in stand-by when connected to +12V, on alarm when open default is set = 3
Key 2 = channel 2 input	as above
Key 3 = channel 3 input	as above
Key 4 = channel 4 input	as above
Key 5 = AB 1 input	as above
Key 6 = AB 2 input	as above
Key 7 = Relay output	set 0 = on/off (toggle) set 1 to 9 = pulsed in seconds (1 to 9) default is set = 0
Key 8 = O2 output	set 0 = on/off (toggle) set 1 to 9 = pulsed in seconds (1 to 9) default is set = 3
Key 9 = O2,GS,GL outputs	set 0 = O2-GS-GL open in stand-by set 1 = O2 to GND in stand-by, GS-GL open in stand-by set 2 = O2 open in stand-by,GS-GL to GND in stand-by set 3 = O2-GS-GL to GND in stand-by default is set = 2

Press key " 5 SET IN-OUT " to modify this parameter.

Display shows "c" and waits for the next parameter. Then press:

- Key 1 = channel 1 input
- Key 2 = channel 2 input
- Key 3 = channel 3 input
- Key 4 = channel 4 input
- Key 5 = AB 1 input
- Key 6 = AB 2 input
- Key 7 = Relay output
- Key 8 = O2 output
- Key 9 = O2,GS,GL outputs

Display shows the actual value of the parameter.

For the channels 1, 2, 3, 4 and the inputs AB1 and AB2 press:

0	IN1,2,3,4 = open in stand-by, on alarm when connected to GND AB1 / AB2 = send alarm with GND, locked when open
1	IN1,2,3,4 = in stand-by when connected to GND, on alarm when open AB1 / AB2 = send alarm when open, locked with GDN
2	IN1,2,3,4 = open in stand-by, on alarm when connected to +12V AB1 / AB2 = send alarm with +12V, locked when open
3	IN1,2,3,4 = in stand-by when connected to +12V, on alarm when open (DEFAULT) AB1 / AB2 = send alarm when open, locked with +12V (DEFAULT)

Relay output :

0	on/off (toggle) (DEFAULT)
1	1 to 9 = pulsed in seconds (1 to 9)

Open collector output O2 :

0	on/off (toggle)
1	1 to 9 = pulsed in seconds (1 to 9) (DEFAULT = 3)

Open collector outputs O2,GS,GL:

0	O2-GS-GL open in stand-by
1	O2 to GND in stand-by, GS-GL open in stand-by
2	O2 open in stand-by,GS-GL to GND in stand-by (DEFAULT)
3	O2-GS-GL to GND in stand-by

Digit the new value that will be shown on the display or confirm the old one.

After that, the display returns again to the programming condition "P"

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "5", "1..9", "0..3" OR "←"

Key 6: DELAY CALLS (default is set = 0)

With this function, is possible to set a DELAY on the telephone call, JUST for the channel 1 (priority channel). The channel nr. (1) blinks to indicate that an alarm occurred, but the call is delayed for the set value. Is possible to stop the pending call simply by entering the "User Code"+ "←" on the keypad or by reset (close) of the channel 1 abilitation (AB1).The call is independent of the input reset (IN1).You can set avalue for delay from 0 to 9, 0 indicates no delay, every unit you enter is a multiple of 15 seconds (1 = 15secs, 2 = 30secs...9 =135secs).This delay set is for the channel 1 ONLY Press key "6 DELAY CALLS " to modify this parameter.
Display shows the actual value of the parameter.

0	the alarm will be sent immediately (DEFAULT)
1..9	the alarm will be delayed from 15 to 135 sec.

Digit the new value that will be shown on the display or confirm the old one.
After that, the display returns again to the programming condition "P".

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "6", "1..9" OR "←"

Key 7: VOICE RETRIES (default is set = 2)

It's possible to set the nr.of times you want the vocal message repeated, during the same call, after the answering. The value you can set is 1 to 9 (times) and is the same for all the channels. This function is useful for the person who receives the call, to understand that the call is made by an automatic dialler and not by a real person.
Press Key "7 VOICE RETRIES " to modify this parameter.
Display shows the actual value of the parameter.

1..9	Number of repetitions of the message (DEFAULT = 2)
------	---

Digit the new value that will be shown on the display or confirm the old one.
After that, the display returns again to the programming condition "P".

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "7", "1..9" or "←"

Key 8: CALLS RETRIES (default is set = 5)

Each call can be repeated for the number of times set in this function, whether the called number is engaged whether there's answer or not. The user can stop to receive repeated calls, with a specific command (*) for all the calls or (#) for his call only.
The value you can set is 1 to 9 (times) for each nr. and is the same for all the calls.

Digit number " 8 CALLS RETRIES " to modify the parameter.
Display shows the actual value of the parameter.

1.....9	Number of calls to the same number (DEFAULT = 5)
---------	---

Digit the new value that will be shown on the display or confirm the old one.
After that, the display returns again to the programming condition "P".

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "8", "1.....9" or "←"

WARNING:

IN ORDER TO AVOID TO BE RECALLED SEVERAL TIMES AFTER RECEIVING THE FIRST ALARM MESSAGE, THE USER CAN DIGIT A COMMAND TO "THE VOICE" AS FOLLOWS:

- * TO STOP ALL THE CALLS
- # TO CONFIRM THE RECEIPT OF HIS OWN CALL AND STOP IT. ALL THE OTHER CALLS STILL CONTINUE.

NOTE

ONLY THE COMMAND (*) IS ABLE TO STOP ALL THE ALARM CALLS AND RESETS THE DIALLER.

IT IS OPERATING JUST FOR NUMBERS PROGRAMMED WITH " _ " LOW CENTER (KEY 6)

Key 9: PHONE NUMBER

In this function you can set:

the 9 phone numbers (8 + follow me)

the SMS Service Centre number

the phone number of the SIM (needed for synchronizing of time & date)

the town prefix nr. for using both PSTN & GSM with the dialler connected to a PABX

the priority of the line (PSTN, GSM, PSTN+GSM, GSM+PSTN)

the type of message for the 9 phone numbers (vocal, SMS, vocal + SMS)

A default value is set **just** for the the priority of the line.(see below)

To program the functions proceed as follows:

Keys 1 to 9 = the 9 phone numbers (nr.9 is the follow me nr. and can be set by user too)

Key # = SIM phone number

Key FOLLOW ME = prefix nr. for using of the dialler connected to a PABX

Key TEST ESC = SMS Service Centre number

Key CHANGE CODE = priority of the line:

0 = PSTN only (Default for VOICE4P & VOICE4M)

1 = GSM only (Default for VOICE4P GSM)

2 = PSTN + GSM backup

3 = GSM + PSTN backup

Attention:The SMS Service Centre number must be set complete of the international prefix +XX

To obtain "+" press the key "#" and you see displayed "o" on the bottom to indicate that you selected "+", then enter the two digits of your State (+39 for Italy).

It's possible to memorize up to 9+2 phone numbers, each of 24 digits, that can be combined with one of the 5 channels, the 9th number is the FOLLOW ME number and can be programmed, modified or cancelled directly by the user, without entering in technical programming.

There are available 2 extra number locations, just used if GSM module is present, where is possible to write the phone number of SMS Service Centre and the phone number of the SIM used in the dialler (this nr. is required to synchronize time & date about SIM expiring).

It's possible to program a prefix number (max 4 digits) that will be used just for PSTN calls, this number is required when the dialler is connected to a PABX in order to be connected to the external line before making a call.

To memorize the phone numbers, press Key 9 and the dialler displays “t”.

- 1) Select which number between the 9+2 available you want to program, in this way: “1÷9” for the 9 numbers, “# PLAY” and “TEST ESC” for the 2 extra numbers and “FOLLOW ME” for the PABX prefix number.
If the selected key was already programmed, the display shows the digits of the previously programmed number, otherwise it shows “_”.
- 2) Press the keys of the number to be memorized and then the key “←” to enter the correct number. If you digit a wrong number, it can be erased by pressing the key “TEST ESC”, the display will show “_” and then it will be possible to digit again the correct number to memorize.
- 3) The 9 phone numbers can be associated at one or more channels, at the DTMF commands, at the vocal or SMS message or both of them. The 2 extra numbers CAN BE ASSOCIATED only to the phone number of SMS Service Centre and the phone number of the SIM.
To set the association of the 9 numbers, you must press a key from “1÷8” in this sequence:
 - enter the phone number to call
 - choice the command to associate at the just entered number (1÷8)
 - verify on the display the correct setting as follows

Key Nr.	Display	Command
1	Vertical hyphen on left top	Association to channel 1
2	Vertical hyphen on right top	Association to channel 2
3	Vertical hyphen on left bottom	Association to channel 3
4	Vertical hyphen on right bottom	Association to channel 4
5	Horizontal hyphen on centre	Association to faulty power supply and SIM
6	Horizontal hyphen on centre bottom	DTMF commands authorization
7	Horizontal hyphen on centre top	Only SMS messages
8	Decimal dot on right bottom	Both vocal & SMS messages

- 4) If all selected commands are right, press the key “←” to enter and the display shows “t”.
Now you are ready, if required, to enter a new telephone nr. and restart from point 1).
If you need to read one of the 9 programmed phone numbers, follow the point 1) and confirm the number with the key “←”, the possible associations that can be changed are displayed, press again the key “←” and you can see “t”.
The 2 extra numbers and the PABX prefix can be displayed by pressing the corresponding key and, if it is correct, confirm with the key “←”.

SPECIAL FUNCTIONS:

KEY “ * ”:

If is needed to exclude the DIAL TONE recognition and adding of a 1 second pause, press this key before entering the phone nr.

PHONE NUMBER OF SMS SERVICE CENTRE:

Inside the function "9 PHONE NUMB" press key "TEST ESC".

The phone number of SMS Service Centre MUST ABSOLUTELY BE preceded by the International prefix number +XX. To obtain "+" you must press the key "# PLAY" and display shows "o" to confirm the right operation, then enter the two digits of the International prefix and the phone number of SMS Service Centre related to the SIM inside the dialler.

PHONE NUMBER OF SIM:

Inside the function "9 PHONE NUMB" press key "# PLAY".

The phone number of SIM is ESSENTIAL to synchronize time & date inside "The Voice"

PABX PREFIX NUMBER:

Inside the function "9 PHONE NUMB" press key "FOLLOW ME".

It is possible to use a prefix number of maximum 4 digits.

SETTING PRIORITY OF PSTN OR GSM:

Inside the function "9 PHONE NUMB" press key "CHANGE CODE".

It is possible to choice between PSTN only, GSM only or both PSTN and GSM with priority on PSTN or GSM.

To set this function, proceed as follows:

- 0 = PSTN only (Default for VOICE4P & VOICE4M)
- 1 = GSM only (Default for VOICE4P GSM)
- 2 = PSTN + GSM backup
- 3 = GSM + PSTN backup

PROCEDURE :

"1", "2", "3", "4", "5", "PROG", "9", "CHANGE CODE", "0...3", or "←"

To exit from the function "9 PHONE NUMB" and return to programming, press key "0 PROG"

ERASION OF ONE PHONE NUMBER FROM MEMORY

To erase a phone number from the memory, enter in the function "9 PHONE NUMB", select the number to remove from the memory (1÷9 or TEST ESC or # PLAY or FOLLOW ME), display shows the previously memorized number and stays on its association menu, at this point is enough to press key "TEST ESC" and then "←" to cancel both the number and its associated channels and is displayed "t" to confirm the elimination of the old number, now it is possible to enter a new phone number as described at paragraph 5.3.9

To verify if the entered number is correct, repeat this procedure but, after the memorized number is displayed, press the key "←" only, to confirm the correct number is set or is possible to change the channels association and then confirm with "←" the new programmed function.

PARTIAL USE OF THE 4 CHANNELS

If is not required to use all the 4 available channels, is needed to connect the not used input, in stand-by as shown at paragraph 5.3.5

IMPORTANT: if a channel is not associated to any phone number, it will not make any call also in case of variation of the input.

VOCAL MESSAGES RECORDING & LISTENING

In this step of programming, you can record & personalize up to 15 vocal messages. The keys to be used are:

First display:

Key 1	Channel 1 message (when activated)
Key 2	Channel 2 message (when activated)
Key 3	Channel 3 message (when activated)
Key 4	Channel 4 message (when activated)
Key 5	Common channel message
Key 6	Attention message
Key 7	Power supply fault (low level battery)
Key 8	Line fault (when activated, it can also be played by internal loudspeaker)
Key 9	SIM fault (when activated, it can also be played by internal loudspeaker)

Second display (You can turn on it by pressing "FOLLOW ME"):

Key 1	AB1 active
Key 2	AB1 disactive
Key 3	AB2 active
Key 4	AB2 disactive
Key 5	Relay active
Key 6	Relay disactive

Key *: REC (Vocal messages recording)

The keys to be used and the way to set them, are the same of the function "PLAY".

You can also decide the combination of the common message (vocal or SMS) with the single channel messages.

In other words, you can decide if every single channel message must be combined or not with the common message.

For example: if THE VOICE is installed in a sole private property and uses more than one channel, it's normal to combine the common message that usually identifies the location of the calling (Name & address) with the single channel message (burglary alarm, power loss etc.).

If otherwise, THE VOICE is used by different properties, each using one of the available channels, it's better to dissociate the common message, recording inside the channel message, also the Name & Address.

Anyway, the common message remains combined with Fault or Damage (low level of power supply, SIM fault) and for this reason it **must** be recorded (also if dissociated from the single channel messages), because it's essential to identify the calling if there is any fault.

To activate/disactivate the combining of the common message to the single channel message, inside the **REC** menu, you must press the key "**CHANGE CODE**", then press:

"0"= Common message **just** for Fault messages

"1"= Common message **combined** with all single channel messages.

For each message there is a fixed maximum length, but they can be recorded for a shorter portion. To start recording of a message is enough to push the key related (as described ahead in this paragraph), to stop recording push “←”.

- The message of “ATTENTION” is sent after the dialling and before the vocal message of alarm. This message informs who is receiving the call, that is arriving an alarm message (so there’s not empty space between the answer and the speech).
 - The alarm channel messages are 4. The “COMMON” message (5th) is always sent after the previous four as 1st+5th, 2nd+5th, 3rd+5th, 4th+5th. Normally the four “ALARM” messages explain which kind of alarm is occurring (for example: “attention, burglary alarm...” or: “attention, fire alarm...”) while the “COMMON” message (5th) explains the location of the event (from the house of Mr.... and its address or any other information).
 - The message of “LOW LEVEL OF POWER SUPPLY”, is sent together the “COMMON” message (5th), when the voltage between the terminal strips (+12V.) and (GND) is lower of 11 Volts.
 - The message of “FAULTY TELEPHONE LINE” is locally announced from the loudspeaker of “The VOICE” (if programmed), is remotely announced on request by the User through a DTMF command.
 - The message of “FAULTY SIM” is remotely announced on request by the User through a DTMF command.
 - The message of “STATUS OF INPUTS AB1 & AB2” is sent also when the output O2 is remotely activated (about 4 secs after the O2 activation). This function is useful to arm/disarm the alarm system. The User, after his command of O2 activation is sent, will receive, 4 seconds later, the related message of the status of AB1/2. If AB1/2 is connected to the ON/OFF status output of an alarm control panel and the message concerning the AB1/2 status is recorded as “System ON” when active and “System OFF” when idle, the User can arm/disarm his alarm system and be informed of the real status of it.
 - The messages of “STATUS OF RELAY OUTPUT AND INPUTS AB1 & AB2” are remotely announced on request by the User through a DTMF command.
- 1) To record the messages, push key “* REC” and the display shows the letter “r” to indicate that is waiting for the number of the message to be recorded.
 - 2) Push the key number (1÷9) of the message, on the display blinks the number of the message that is going to be recorded. Speak in front of the dialler, with a clear voice than push “←” to stop recording and go back to point 1).
-

Key	Display	Function
* REC	r	Waiting for the command
1	1 blinking	Recording of message 1
2	2 blinking	Recording of message 2
3	3 blinking	Recording of message 3
4	4 blinking	Recording of message 4
5	5 blinking	Recording of COMMON message
6	6 blinking	Recording of message of ATTENTION
7	7 blinking	Recording of message of LOW LEVEL of power supply
8	8 blinking	Recording of message of FAULTY TELEPHONE LINE
9	9 blinking	Recording of message of FAULTY SIM

3) To record the messages A,b,C,d,E and F, press the key " FOLLOW ME " (the display shows an r inverted) and then choose :

Key	Display	Function
* REC	r	Waiting for the command
FOLLOW ME	r inverted (¶)	Waiting for the extended command
1	A blinking	Recording of message input AB1 active
2	b blinking	Recording of message input AB1 idle
3	C blinking	Recording of message input AB2 active
4	d blinking	Recording of message input AB2 idle
5	E blinking	Recording of message of relay output active
6	F blinking	Recording of message of relay output idle

IT IS ESSENTIAL TO RECORD THE MESSAGE OF "ATTENTION" THAT IS ANNOUNCED ON LINE BEFORE OF THE "ALARM" MESSAGE.

FOR EXAMPLE: "ATTENTION, ATTENTION"

A NON-RECORDING OF THIS MESSAGE, CAN PREJUDICE THE OUTCOME OF CALLS.

To return to the previous messages from 1 to 9, press again the key " FOLLOW ME " .

PROCEDURE:

"1", "2", "3", "4", "5", "PROG", "REC", "1..9" OR "FOLLOW ME", "1..6", "←", SPEAK CLEARLY IN THE FRONT OF THE DIALLER. PRESS "←" IF YOU WANT TO STOP THE RECORDING OF MESSAGE BEFORE EXPIRING OF AVAILABLE TIME.

COMBINATION OF COMMON MESSAGE WITH FOUR CHANNELS MESSAGE, LOW LEVEL POWER SUPPLY MESSAGE AND FAULTY SIM MESSAGE.

From inside of message recording menu, is possible to decide the use of the "COMMON" message.

To associate it to any alarm message or just to "Low Level Power Supply" and/or "Faulty SIM" messages, please use the key "CHANGE CODE" when the display shows "r".

Key	Display	Function
* REC	r	Waiting for the command
CHANGE CODE	Shows 0 or 1	
0	0	Common msg. only after low level power s. & faulty SIM msg.
1	1	Common message after all the alarm messages

PROCEDURE:

“1”, “2”, “3”, “4”, “5”, “PROG”, “REC”, “CHANGE CODE”, “0...1”, or “←”

At the end of the recording, to exit from “Message Recording Menu”, press key “0 PROG” and the display shows again the letter “P” of programming.

Key #: PLAY (Vocal messages listening)

In this step of programming, you can listen the vocal messages previously recorded.

- 1) To listen to the vocal messages recorded, enter in program mode then press the key “# PLAY”
The display shows the letter “n” to indicate that is waiting for the nr. of message to play.
- 2) Press the number of the message to listen to (1÷9), the display blinks the number of message being played.

Key	Display	Function
# PLAY	n	Waiting for the command
1	1 blinking	Playing of message 1
2	2 blinking	Playing of message 2
3	3 blinking	Playing of message 3
4	4 blinking	Playing of message 4
5	5 blinking	Playing of COMMON message
6	6 blinking	Playing of message of ATTENTION
7	7 blinking	Playing of message of LOW LEVEL of power supply
8	8 blinking	Playing of message of FAULTY TELEPHONE LINE
9	9 blinking	Playing of message of FAULTY SIM

To listen to the vocal messages A,b,C,d,E and F recorded, press the key “ FOLLOW ME “ (the display shows U) and then choose :

Key	Display	Function
# PLAY	n	Waiting for the command
FOLLOW ME	U	Waiting for the extended command
1	A blinking	Playing of message input AB1 active
2	b blinking	Playing of message input AB1 idle
3	C blinking	Playing of message input AB2 active
4	d blinking	Playing of message input AB2 idle
5	E blinking	Playing of message of relay output active
6	F blinking	Playing of message of relay output idle

To return to the previous messages from 1 to 9, press again the key “ FOLLOW ME “.

At the end of the listening, to exit from “Message Play Menu”, press key “0 PROG” and the display shows again the letter “P” of programming.

PROCEDURE:

“1”, “2”, “3”, “4”, “5”, “PROG”, “REC”, “1..9” or “FOLLOW ME“, “1..6”, “←”,

Key: CHANGE CODE (To modify the 5 digits of the Technical Code)

In this menu, the Installer can change its Code (default 12345).

The display, after showing the actual Code, waits for a confirmation of it (by pressing of "←") or a modification of it (by pressing of "TEST ESC" and then entering the 5 digits of the new Code).

ATTENTION:

Once the Technical Code has been modified and exit of the programming, **it will not be possible to re-change it**, if the new Code just entered, is unknown.

So, if you make a change of the Code and for mistake you exit of programming without remembering the new Code, you **must** reset THE VOICE to default values.

During the programming it is possible to change the installer code by pressing the key "CHANGE CODE ". (The user code can be changed by the user without entering programming).

The display will show in sequence the digits of the actual code.

Press "←" to confirm the visualized code (the display visualizes "P" of programming) or "TEST ESC" to modify the installer code (the display visualizes "C", enter the sequence of 5 digits of the new installer code and then press "←".The new digits will be displayed as confirmation, then press "←" to end changing code or "TEST ESC" to enter a new code again.

PROCEDURE:

"1", "2", "3", "4", "5", "PROG", "CHANGE CODE", "←" or "TEST ESC", "XXXXX", "←"

Key: TEST ESC (Testing of vocal & SMS calls)

The dialler test is useful to verify if the programming was correct and if the dialler is active.

The test procedure is operating inside the programming menu (when "P" is shown on the display). Is possible to select the phone number to send the message and the message to send.

- 1) press the key "TEST ". The display shows the letter "t"
- 2) press the number of channel to activate (message 1,2,3,4)
The display shows again "t".
- 3) select the phone number you want to send the message to (among 1 and 9), the TEST is now operating. During the test the display shows a blinking "t"

During this test, the dialler sends just one call to the selected number with the selected message.

If the test is ok, the display shows again "P" (programming).

Otherwise, if something is not ok and the tones check have been correctly activated, the display will show the following anomaly conditions:

o	Engaged: the called number is busy
A	Absent: the called number hasn't answered
E	Error: an error has occurred (line absence or the tones recognition is not possible) it is necessary to repeat the test.

The result analysis is active just for TEST with vocal messages. There's no way to verify the TEST for SMS messages.

To stop test procedure or reset the calling result, is required to press "←" and go back to the "P" of the programming.

PROCEDURE:

"1", "2", "3", "4", "5", "PROG", "TEST", "1,2,3,4 (channel)", "1.....9", TEST STARTS NOW

TIMEOUT OF PROGRAMMING

If no keys are pressed during programming for at least 1 minute, the dialler goes back automatically to stand-by condition.

4.1 RESET TO DEFAULT VALUES

To initialize the dialler and reset it to default values (as shown in the following table), proceed as follows:

Remove the power (12 Vcc.), then keep pressed the key:

- 0** = You can reset **all** the programmed functions and messages.
- 1** = You can reset **just** the programmed functions. (NOT the messages)
- 2** = You can reset **just** the messages (NOT the programmed functions)

Continue to keep pressed the selected key and restore the power to the dialler.

After releasing of the key, you can see on the display, the entering of the default values, when it displays “- “ the reset is done and THE VOICE is ready to be reprogrammed.

IMPORTANT:

Some settings of the dialler, are managed without entering in “PROGRAMMING” and are available also for the User.

(See page **23**for details)

4.2 TABLE OF DEFAULT VALUES

FUNCTION	DEFAULT VALUES	RANGE
Dialling Mode	1 = DTMF	0÷1
Rings Number (In answering)	0 = No answer (answering machine not managed)	0÷9
Line tones control	0 = All tone controls activated (line,engaged,absent)	0÷3
Line test	1 = Line test activated	0÷2
Set polarity in/out	3 = In stand-by when connected to +12V, on alarm when open or GND	0÷3
Relay setting	0 = On/off (toggle)	0÷9
O2 output setting	3 = Pulsed 3 secs.	0÷9
O2-GL-GS outputs status	2 = O2 open in stand-by,GS-GL to GND in stand-by	0÷3
Delay calls (15 secs.multiples)	0 = No delay, the message is sent immediately	0÷9
Message repetition	2 = During the same call the message repeated twice	1÷9
Call repetition	5 = Nr.of times the call is repeated if engaged / absent	1÷9
Telephone numbers	1÷9 = Not programmed	Max 24 digits
Line priority	0 = PSTN line for VOICE 4P & VOICE 4M 1 = GSM line for VOICE 4P GSM	0÷3
SMS Service Centre number	Not programmed	Max 24 digits
SIM telephone number	Not programmed	Max 24 digits
Combination of phone nr. with single channel & SMS	Only the 9 th number is associated with channels 1,2,3,4,5	1,2,3,4,5,6,7,8
Combination of common message with single message	1 = Common message after every alarm message	0÷1
Channel messages (1,2,3,4)	Not programmed	
Common message	Not programmed	
Attention message	Not programmed	
Low battery message	Not programmed	
Line fault message	Not programmed	
SIM fault message	Not programmed	
AB 1 activated message	Not programmed	
AB 1 disactivated message	Not programmed	
AB 2 activated message	Not programmed	
AB 2 disactivated message	Not programmed	
Relay activated message	Not programmed	
Relay disactivated message	Not programmed	
SMS messages	See table at page 24 (section 5.3.11)	
Installer Code	12345	
User Code	67890	

5. USE OF SMS

The VOICE, combined with GSM interface, can send up to 7 events + 1 common SMS messages either instead of vocal messages or together (before SMS and then vocal).

The SMS are recorded as default but can be modified from outside by the User.

The default set is:

	Location	Text	
SMS 1	01	Allarme canale 1	(Channel 1 alarm)
SMS 2	02	Allarme canale 2	(Channel 2 alarm)
SMS 3	03	Allarme canale 3	(Channel 3 alarm)
SMS 4	04	Allarme canale 4	(Channel 4 alarm)
SMS 5	05	Basso livello alimentazione	(Low power suppli)
SMS 6	06	Guasto linea telefonica	(Faulty telephone line)
SMS 7	07	Scade SIM telefono	(Expiring credit on SIM)
SMS 8	08	Chiamata da impianto antifurto	(Call from security system)

The maximum length for every SMS is 50 characters.

These messages are sent before the telephone call, if the telephone number is associated to both the SMS & the vocal call (see paragraph 5.3.9)

The SMS is sent once and only if the call is sent via GSM.

5.1 HOW TO SET SMS

The text of the SMS inside "The VOICE", can be re-programmed as preferred by the User, simply through a new SMS sent to the SIM located in the dialler, following this procedure:

xxxxNN<text> where:

- xxxxx** User Code (5 digits Code memorized inside the dialler)
- NN** Location of SMS to be changed (see above)
- <text>** New text of SMS (enter text as usual for SMS, without <>)

To be sure about the change made is effective, you need to test it by simulating an alarm and verify if the received SMS is correct.

In the dialler are located different additional messages that are sent by the VOICE only on request. To obtain information SMS about its general status, is sufficient to send a request to the phone number of the SIM inside the dialler, as follows:

xxxxxS where:

- xxxxx** User Code (5 digits Code memorized inside the dialler)
- S** Syntax of the command for request of general status

The answer will be sent (In ITALIAN only) to the number who requires the general status as:

-STATO GENERALE-	(General Status)				
CANALI (Channels)	1=OK	2=OK	3=OK	4=OK	otherwise KO
ABILIT. (Abilitation)	1=OFF	2=OFF			otherwise ON
USCITE (Outputs)	1=OFF	2=OFF			otherwise ON
ALIMENT. (Power supply)	OK				otherwise KO
STATO SIM (SIM Status)	OK				otherwise SCADE (Expires)
LIV. GSM nn (GSM field)	where nn is a number among 0 and 31 (level of field strength)				
Linea PSTN (PSTN line)	OK				otherwise KO

IMPORTANT:

To be sure to receive the proper SMS answer, it is necessary to send SMS request with clear (not masked) phone number from your mobile (not from Internet).

6. USER FUNCTIONS - DIRECT KEY COMMANDS WITHOUT ENTERING TECHNICAL PROGRAMMING

Just in case of presence of GSM module inside the dialler, it is possible, by entering the User Code, to have three commands available:

1. GSM strength of field (shown on display the signal level)
2. Set of expiry date (day,month,year) of pre-paid SIM
3. Synchronizing of date & time with GSM Provider and display of it
- 4.

6.1 GSM FIELD STRENGTH

To read the real level of GSM signal, enter the Installer Code or User Code and then press "TEST ESC", and you can see on the display, a value among 0 to 6 to indicate its effective level in that moment.(6= highest, 0= lowest, no signal).

This level depends by several situations:

The positioning of The VOICE, its height from the floor, the location of antenna, the GSM Provider.

There's no a direct correlation about GSM signal, between The VOICE and a mobile phone put close the dialler, because every GSM device has a different reaction depending of the battery status or the sensitivity of the device.

The level of GSM signal shown on the display, is the REAL signal level received from The VOICE and this is the only value to consider for the positioning of the dialler. There is a way to put away the antenna from the dialler (available for the metallic box version only) if the signal received is poor, by using an extension cable for the antenna (length 5 or 10 mt.) instead of the default cable.

Please contact your supplier for any question.

The value you can read on the display means:

Value is 0 =	no GSM coverage
Value 1+2 =	very low level (just enough for a call)
Value 3+4 =	medium level (its ideal for a correct functioning)
Value 5+6 =	EXCELLENT level

The dialler verifies constantly the presence of the field of coverage. In case of minimum level (less than value 1) it activates a Faulty GSM Line signal in three different ways:

Optical by the display indicating “ L ”, electronic by activation of GL output and, if programmed, vocal by the internal loudspeaker.

With the User Code, is possible to stop just the vocal message but NOT TO RESET the faulty GSM Line indication, that is automatically restored when the signal level returns at an acceptable value.

6.2 SETTING OF SIM EXPIRY DATE

When is used a pre-paid SIM, there is a variable expiry date after the last recharge of the credit inside it (12 ÷ 16 months depending by the Provider).

It is useful to know in advance, when the SIM will be expired so you can avoid to have the system inefficient.

To set the expiry date of the SIM inside The VOICE is easy, proceed as follows:

Enter the Installer or User Code, then press “**7 VOICE RETRIES**”. Now you can read the default date (00-00-01) and the dialler is waiting for the command, press “←” to confirm the date on the display or “**TEST ESC**” to change it, by entering three blocks of 2 digits in sequence as: XX (day), XX (month), XX (year) then confirm this new setting with “←” or press “**TEST ESC**” to leave the previous setting.

Fifteen days before the date set inside, The VOICE gives a warning of expiring SIM, by a visual signal on its display as “⏸” by the output GS and, if programmed, by vocal message from its internal loudspeaker, furthermore if any phone numbers are set as follows:

5	Horizontal hyphen on centre	Association to faulty power supply and SIM
---	-----------------------------	--

will be sent also the vocal and/or SMS message for faulty SIM. This message (for SIM expiry or damaged SIM or missing SIM) can be reset just entering the User Code and then press “←”.

If the reason of the warning remains, the warning will be resent in a few seconds if the reason is damaged or missing SIM (in this case is required a prompt intervention) or every day at 12.00 just for expiring SIM (in this case is suggested to re-charge the credit inside the SIM and set a new expiry date).

6.3 TIME & DATE SETTING

To read the time/date set inside The VOICE in stand-by (-), enter the Installer Code and then press “**8 CALLS RETRIES**”.

Time & Date are shown in five blocks of two digits each:
XX (day), XX (month), XX (year), XX (hour), XX (minutes).

After this is possible to confirm the values just shown by pressing “←” or, if necessary, to send a request of synchronization to the GSM Provider by pressing “**0 PROG**”.

In any case, The VOICE sets automatically Time & Date every time receives/sends a SMS message and every day at 12.00.

The manual set of Time & Date is required at first use of The VOICE.

ATTENTION:

After every Time & Date setting, the dialler compares immediately the new values with the date of expiring SIM. If the new date is included in the interval of fifteen days before expiring date of SIM, IMMEDIATELY starts the procedure of warning for expiring SIM.

7. OPERATIVE STATUS

7.1 STAND-BY

When the dialler is in stand-by condition, is displayed (-).

7.2 ALARM TRANSMISSION

When the dialler receives an alarm condition, the display shows the number (blinking) of the channel in alarm and operates as follows:

- a) Verify of dial tone (if programmed - see page 8)
- b) Dialling of first number combined with alarm message (the first number to call, is usually the 9th number - FOLLOW ME) and then the numbers from 1 to 8.
- c) Verify if the called number is present, absent or busy (if programmed - see paragraph 5.3.3). If there's no answer (absent) or the number is busy, the dialler returns to point b) and calls the next number. If the tone verify is not programmed or the message to send is SMS, the dialler sends the message about 10 secs. after dialling without waiting for an answer. To delay the dispatch of the message, digit "*** REC**" after the end of the number, to set a pause.
- d) After the dialling of the number, The VOICE transmits the "ATTENTION" message and after the answer, the "ALARM" message, then goes back to point b) for the next number. When all the numbers have been called, the dialler returns to stand-by condition and the display shows the channel with much priority, went in alarm (last alarm memory).
- e) If the called user doesn't enter "**# PLAY**" during the message transmission, the call to that number, will be repeated for the programmed number of retries. If the called user enters "*** REC**" during the message transmission, this **will lock all the pending calls** to all the numbers and resets the alarms status and the display memory.
- f) The dialler returns to the stand-by condition after a manual command of reset alarm (disarming of alarm system) or after a new arming of the alarm system (by AB1/2 inputs). The alarm calls can be interrupted by disarming the alarm system or by entering the User Code followed by "**←**".

ATTENTION:

IF THE CALLED USER ENTERS "* REC**" DURING THE MESSAGE TRANSMISSION, THIS WILL LOCK ALL THE PENDING CALLS TO ALL THE NUMBERS AND WILL RESET THE ALARMS STATUS AND THE DISPLAY MEMORY. IN THIS CASE WILL NOT BE POSSIBLE TO INTERROGATE THE DIALLER ABOUT THE ALARM MEMORY AND THE DISPLAY WILL NOT SHOW THE ALARM CHANNEL NUMBER. A NEW ALARM CONDITION, WILL RESTART THE DIALLER.**

7.3 LINE TEST ALARM

If dial tone test is operating, the dialler verifies every 60 minutes, the presence of the PSTN line. If the line is faulty (no dial tone), will be activated: on display "L", the output GL and, if programmed, the vocal message by its internal loudspeaker. During this fault condition, the dialler checks every 15 minutes for the PSTN line restored (dial tone ok) and, if the check is affirmative, the signals previously activated, will be reset.

The GSM line test is always operating. If the GSM signal is not present, will be activated: on display "L", the output GL and, if programmed, the vocal message by its internal loudspeaker.

During this fault condition, the dialler checks every 30 secs for the GSM line restored (GSM signal ok) and, if the check is affirmative, the signals previously activated, will be reset.

The local vocal message, can be stopped in any case, also if the faulty line is not restored, by entering the User Code followed by “**↵**”.

When the dialler is operating on both the lines (PSTN & GSM), automatically manages the line to use, in accordance with the priority set.

7.4 SIM FAULT ALARM

If are present electrical troubles or SIM is under expiry period, the dialler starts the SIM fault alarm. Fifteen days before the date set inside, The VOICE gives a warning of expiring SIM, by a visual signal on its display as “**⏸**”, by the output GS and, if programmed, by vocal message from its internal loudspeaker, furthermore if any phone numbers are set as follows:

5	Horizontal hyphen on centre	Association to faulty power supply and SIM
---	-----------------------------	--

will be sent also the vocal and/or SMS message for faulty SIM. This message (for SIM expiry or damaged SIM or missing SIM) can be reset just entering the User Code and then press “**↵**”.

If the reason of the warning remains, the warning will be resent in a few seconds if the reason is damaged or missing SIM (in this case is required a prompt intervention) or every day at 12.00 just for expiring SIM (in this case is suggested to re-charge the credit inside the SIM and set a new expiry date).

7.5 LOW POWER SUPPLY

If the voltage, coming out the control panel to the dialler, is less of 10,8 V for a period longer of 60 secs., the dialler sends a “Low Power Supply Message” followed from “Common Message” to the phone numbers programmed to receive this information and you can see “**G**” blinking on the display, to confirm that a call is active.

After all the calls are made, will be displayed “**.**” (a dot low right) to indicate that a low power supply alarm has occurred.

7.6 MAIN CHANNEL AND PRIORITIES

If during the transmission of an alarm message from channels 2,3,4 or a fault message, an alarm occurs on channel 1 (Priority Channel), the dialler ends the pending call and starts the cycle of calls about channel 1, then it returns to complete the previously suspended cycle of calls.

7.7 DISPLAY INDICATIONS

On the display of The VOICE, you can see the following indications:

“**L**” = PSTN line fault

“**l**” = GSM line fault

“**⏸**” = SIM fault (broken, absent or credit expiring)

“**G**” = transmission of fault message – blinking (low power supply or faulty SIM)

“**.**” = memory of fault condition – steady (low power supply or faulty SIM)

“**1**” = blinking : sending alarm channel 1 – steady: channel 1 alarm memory

“**2**” = blinking : sending alarm channel 2 – steady: channel 2 alarm memory

“**3**” = blinking : sending alarm channel 3 – steady: channel 3 alarm memory

“**4**” = blinking : sending alarm channel 4 – steady: channel 4 alarm memory

7.8 RESET TO DEFAULT PARAMETERS

To initialize the dialler and reset it to default values (as shown on table at **page 20**) proceed as follows:

Remove the power (12 Vcc.), then keep pressed the key:

0 = You can reset **all** the programmed functions and messages.

1 = You can reset **just** the programmed functions. (NOT the messages)

2 = You can reset **just** the messages (NOT the programmed functions)

Continue to keep pressed the selected key and restore the power to the dialler.

After releasing of the key, you can see on the display, the entering of the default values, when it displays “-“ the reset is done and THE VOICE is ready to be reprogrammed.

ATTENTION:

SMS messages are reset to default either pressing the key “0” or “1”

8. TECHNICAL SPECIFICATIONS

Power supply	12 Vdc \pm 15%
Current PSTN only	60 mA nominal, 220 mA max
Current with GSM	120 mA nominal, 400 mA max
4 alarm inputs + 2 lock inputs	Level 0 / 12Vdc
2 outputs	One relay, one open collector 12 Vdc @50mA max
Tamper output	NC
Keypad	Conductive rubber, 16 function keys
Display	7 led segment
Telephone line	Line input, telephone output (selected), grounding clamp (not available on VOICE 4P GSM)
Telephone numbers for channels	9 programmable numbers (one Follow me), which can be associated to every channel
Telephone numbers for service	2 programmable numbers for Service Centre and SIM number
PABX prefix	Max. 4 digits
Low battery check	Alarm when power is under 10,8 Vdc
Verify of SIM expiry date	Set of time/date with warning 15 days before expiry date
Internal clock	Software synchronized with SMS Service Centre
GSM Module	Dual band industrial version

In order to satisfy EMC rules, the maximum length of connection cables, must not exceed 10 m.

9. INSTALLATION OF GSM KIT (Only for VOICE 4M)

In the metallic version of The VOICE (VOICE 4M) is possible to add a GSM kit in order to send messages also by GSM net in addition of PSTN.

The main board of the dialler is provided with a connector which must be fitted to the flat cable of the GSM module kit.



To install the GSM kit, proceed as follows:

- 1 - Remove the 12 Vdc from the dialler (mains & battery)
- 2 - Fix the GSM board on its fixing devices
- 3 - Remove the cover on the top and fix inside the GSM antenna and lock it to the box
- 4 - Connect the GSM interface board to the dialler using the flat cable.(Pls. Pay attention to the right polarity)
- 5 - Put the SIM in its location
- 6 - Give tension to the dialler and test it

IMPORTANT NOTE FOR VOICE DIALLERS WITH GSM MODULE:

BEFORE TO PUT THE SIM INSIDE ITS LOCATION, BE SURE THAT THE CODE OF LOCK (PIN) HAS BEEN REMOVED AND ERASE ALL SMS (IN/OUT) PRESENT ON THE SIM. REMEMBER TO INSERT OR REMOVE THE SIM ONLY WHEN IN THE DIALLER IS NOT PRESENT THE 12 Vdc OTHERWISE IS POSSIBLE TO COMPROMISE THE GOOD FUNCTIONING OF BOTH THE DIALLER AND THE SIM.

POSSIBLE BREAKINGS DUE TO THIS REASON, ARE NOT COVERED FROM THE WARRANTY.

CONNECTION OF AUDIO INTERFACE (Only for VOICE 4M)

In the metallic version of The VOICE (VOICE 4M GSM) is possible to add a board for connection to the word of mouth module.

The board must be fixed on the right side of the metallic box and has a terminal board with 5 terminals equal on both sides.

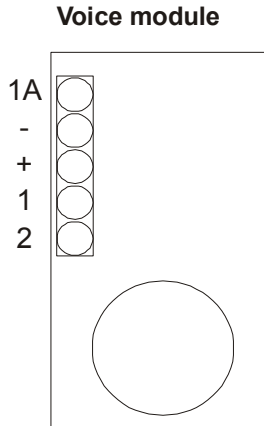
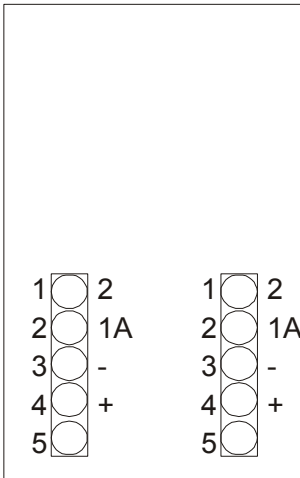
Starting from the top, the terminals are numbered from 1 to 5 and must be connected as follows:

- 1. Loudspeaker (2)
- 2. Microphone (1 or 1A)
- 3. GND (-)
- 4. 12Vcc (+)
- 5. Spare

Both terminals 1 and 1A (on module URMET) are microphone input but they have different amplification. We suggest to use input 1A.

The connection to URMET module is:

Electric interface



NOTE:

If is present some noise on the audio channel, due to an excessive power consumption of the GSM module in case of low strength of the GSM field, we suggest to add a resistor of 10 Ω ¼ W in series at positive (+) and an electrolytic capacitor of 1000 μ F-25V in parallel between positive (+) and negative (-).

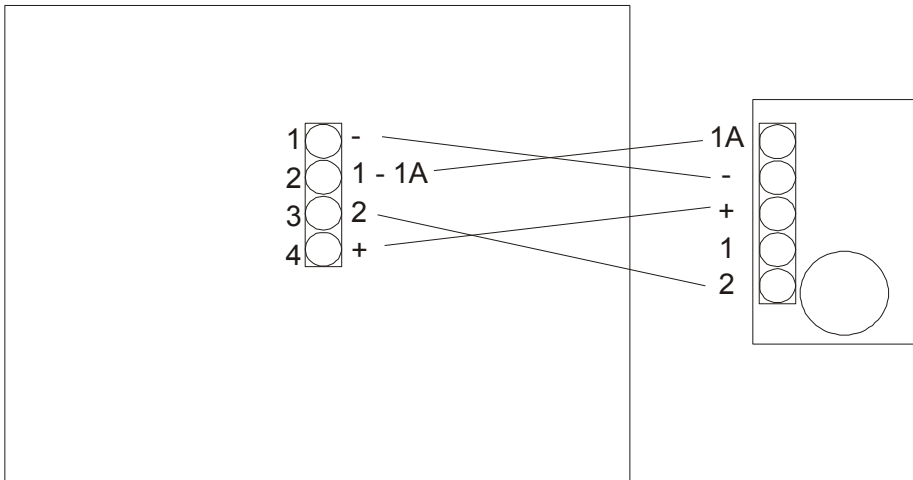
CONNECTION OF AUDIO INTERFACE (Only for VOICE 4P/GSM)

In the plastic version of The VOICE (VOICE 4P/GSM) is provided a terminal strip for direct connection to the word of mouth module.

Looking to the back of the board with the terminal strips of power and input/output on the right side and the tamper on the left side, you can find a terminal strip on the centre. Starting from the top of it the terminals are numbered from 1 to 4 and must be connected as follows:

- 1. GND (-)
- 2. Microphone (1 or 1A)
- 3. Loudspeaker (2)
- 4. 12Vcc (+)

The connection to URMET module is:



NOTE: If is present some noise on the audio channel, due to an excessive power consumption of the GSM module in case of low strength of the GSM field, we suggest to add a resistor of 10 Ω ¼ W in series at positive (+) and an electrolytic capacitor of 1000 μ F-25V in parallel between positive (+) and negative (-).

10 USER MANUAL

USER FUNCTIONS

The User Code (Default **67890**) allows the user:

- 10.1 – To lock the dialler calls, during an alarm condition
- 10.2 – To silence and reset the alarm memory
- 10.3 – To silence and reset the faulty SIM alarm memory
- 10.4 – To silence the local loudspeaker message for faulty SIM or faulty Line
- 10.5 – To change its own User Code
- 10.6 – To change the 9th phone number (Follow Me)
- 10.7 – To control outputs (relay & O2)
- 10.8 – To set SIM expiry date
- 10.9 – To read time & date synchronized with GSM Provider
- 10.10 – To read the strength of GSM field
- 10.11 – To lock remotely the calls
- 10.12 – To control remotely the dialler, by DTMF commands
- 10.13 – To check remotely the general status of the dialler, by SMS
- 10.14 – To manage the answering machine/fax cutoff
- 10.15 – Display indications

10.1 Lock the dialler calls, during an alarm condition

When the dialler is on alarm condition, the user can just stop the pending calls. After entering User Code, press key “←” and see on display the return to stand-by condition “-“. This procedure is needed for each channel on alarm.

PROCEDURE:

“6”, “7”, “8”, “9”, “0”, “←”

10.2 Silence and reset the alarm memory

If the dialler sent a call for alarm or fault and nobody of the called people has reset the alarm (by pressing “*” on his telephone during the call), the dialler not returns in stand-by condition (“-“ on the display), but shows a symbol related to the event occurred.

The symbols possibly shown on the display are:

“1” = channel 1 alarm memory

“2” = channel 2 alarm memory

“3” = channel 3 alarm memory

“4” = channel 4 alarm memory

“L” = PSTN line fault

“L” = GSM line fault

“J” = SIM fault (broken, absent or credit expiring)

“.” = memory of fault condition (low power supply or faulty SIM)

To reset the display indication and return to stand-by status, enter User Code, press key “←” and see on display the return to stand-by condition “-“.

PROCEDURE:

“6”, “7”, “8”, “9”, “0”, “←”

10.3 Silence and reset of the faulty SIM alarm notification

If the dialler has reported a faulty SIM condition (broken SIM or expiring of credit), its display shows “**J**” and the output GS is activated. If the local announcement by the internal loudspeaker is activated, the pre-recorded message for “FAULTY SIM” is continuously played.

If the anomaly stops itself automatically, everything returns at the previous normal condition without need of any manual operation, otherwise to acknowledge and reset the pending fault situation, the user must enter its “User Code” followed by “**←**”.

ATTENTION:

If the anomaly condition of SIM remains after User’s reset, the fault indication returns as before.

PROCEDURE:

“6”, “7”, “8”, “9”, “0”, “**←**”

10.4 Silence local message (by internal loudspeaker) for faulty line or faulty SIM

If the Installer has activated this function, The VOICE can locally play a pre-recorded message, by its internal loudspeaker, for faulty line (PSTN or GSM) or faulty SIM.

If the anomaly stops itself automatically, everything returns at the previous normal condition without need of any manual operation, otherwise to acknowledge and reset the pending fault situation, the user must enter its “User Code” followed by “**←**”.

ATTENTION:

If the anomaly condition of line (PSTN or GSM) or SIM remains after User’s reset, the fault indication returns as before.

PROCEDURE:

“6”, “7”, “8”, “9”, “0”, “**←**”

10.5 Change User Code

- 1) During stand-by condition, enter User Code and press the key “CHANGE CODE”, you can see on the display, the actual sequence of digits for the User Code.
- 2) To confirm the sequence of digits just shown press “**←**”. The display returns to show the stand-by condition “-”.
- 3) To modify the User Code, press the key “TEST ESC” instead of “**←**” after the display has shown the actual sequence of digits, you can see “**C**” to confirm that you’re changing the User Code.
- 4) Enter now the new sequence of 5 digits for the new User Code and press “**←**”, the display will show the new sequence just entered. If the new User Code is right, press “**←**” to confirm or “TEST ESC” to re-enter a new sequence.

PROCEDURE:

“6”, “7”, “8”, “9”, “0”, “CHANGE CODE”, “**←** or TEST ESC”, “XXXXX”, “**←**”.

10.6 Change FOLLOW-ME phone number (9th number)

- 1) Enter User Code
- 2) Press key "FOLLOW ME". If there's a previously memorized number, it will be shown. To confirm it press "↵"
- 3) To modify it press "TEST ESC" instead of "↵" after the display has shown the actual number and the display shows "-" (to indicate that the 9th number is not programmed).
- 4) Now, if you press again "TEST ESC" the Follow Me number will not be programmed and the dialler will return to stand-by condition ("-").
- 5) If you want to program a new 9th number, enter the right sequence of it (max 24 digits). The number just entered, will be shown on the display. If you want to exclude the dial tone recognition and to add a 1 second pause for this number, press "* REC" before entering the new phone number. If "* REC" is pressed inside the phone number, it adds just the 1 second pause.
- 6) To end press "↵".

ATTENTION:

The FOLLOW ME number (9th) is associated as default, to all 4 channels, to the low power supply message, to the faulty SIM message and it can send DTMF commands when called. It's NOT allowed (as default) to send SMS messages. All these default settings, can be changed by the Installer.

PROCEDURE:

"6", "7", "8", "9", "0", "FOLLOW ME", "↵ or TEST ESC", "phone number", "↵".

10.7 Activation outputs by the User Code

By the User Code, it is possible to activate/de-activate the outputs of the dialler (1 relay - 1 open collector O2). Proceed as follows:

- 1) Enter User Code.
- 2) Press "# PLAY".
- 3) Press the key:
 - 0 = OFF (relay output OFF if toggle)
 - 1 = ON (relay output ON either toggle or pulse)
 - 2 = Output O2 ON/OFF (open collector output ON/OFF either toggle or pulse)

PROCEDURE:

"6", "7", "8", "9", "0", "# PLAY", "0 or 1 or 2".

10.8 Setting SIM expiry date

When is used a pre-paid SIM, there is a variable expiry date after the last recharge of the credit inside it (12 ÷ 16 months depending by the Provider).

It is useful to know in advance, when the SIM will be expired so you can avoid to have the system inefficient.

To set the expiry date of the SIM inside The VOICE is easy, proceed as follows:

Enter the USER CODE, then press "7 VOICE RETRIES". Now you can read the default date (00-00-01) and the dialler is waiting for the command, press "↵" to confirm the date on the display or "TEST ESC" to change it, by entering three blocks of 2 digits in sequence as: XX (day), XX

(month), XX (year) then confirm this new setting with “←” or press “**TEST ESC**” to leave the previous setting.

Fifteen days before the date set inside, The VOICE gives a warning of expiring SIM, by a visual signal on its display as “⏏”, by the output GS and, if programmed, by vocal message from its internal loudspeaker, furthermore if any phone numbers are set as follows

5	Horizontal hyphen on centre	Association to faulty power supply and SIM
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will be sent also the vocal and/or SMS message for faulty SIM. This message (for SIM expiry or damaged SIM or missing SIM) can be reset just entering the User Code and then press “←”.

If the reason of the warning remains, the warning will be resent in a few seconds if the reason is damaged or missing SIM (in this case is required a prompt intervention) or every day at 12.00 just for expiring SIM (in this case is suggested to re-charge the credit inside the SIM and set a new expiry date).

10.9 Time & Date setting

To read the time/date set inside The VOICE in stand-by (-), enter the USER CODE and then press “**8 CALLS RETRIES**”.

Time & Date are shown in five blocks of two digits each:
 XX (day), XX (month), XX (year), XX (hour), XX (minutes).

After this, is possible to confirm the values just shown by pressing “←” or, if necessary, to send a request of synchronization to the GSM Provider by pressing “**0 PROG**”.

In any case, The VOICE sets automatically Time & Date every time receives/sends a SMS message and every day at 12.00.

The manual set of Time & Date is required at first use of The VOICE.

ATTENTION:

After every Time & Date setting, the dialler compares immediately the new values with the date of expiry SIM. If the new date is included in the interval of fifteen days before expiring date of SIM, IMMEDIATELY starts the procedure of warning for expiring SIM.

10.10 GSM power level

To read the real level of GSM signal, enter the Installer Code or User Code and then press “**TEST ESC**”, and you can see on the display, a value among 0 to 6 to indicate its effective level in that moment.(6= highest, 0= lowest, no signal).

This level depends by several situations:

The positioning of The VOICE, its height from the floor, the location of antenna, the GSM Provider. There’s no a direct correlation about GSM signal, between The VOICE and a mobile phone put close the dialler, because every GSM device has a different reaction depending of the battery status or the sensitivity of the device.

The level of GSM signal shown on the display, is the REAL signal level received from The VOICE and this is the only value to consider for the positioning of the dialler. There is a way to put away the antenna from the dialler (available for the metallic box version only) if the signal received is poor, by using an extension cable for the antenna (length 5 or 10 mt.) instead of the default cable.

Please contact your supplier for any question.
The value you can read on the display means:

Value is 0 =	no GSM coverage
Value 1+2 =	very low level (just enough for a call)
Value 3+4 =	medium level (its ideal for a correct functioning)
Value 5+6 =	EXCELLENT level

The dialler verifies constantly the presence of the field of coverage. In case of minimum level (less than value 1) it activates a Faulty GSM Line signal in three different ways:

Optical by the display indicating "L", electronic by activation of GL output and, if programmed, vocal by the internal loudspeaker.

With the User Code, is possible to stop just the vocal message but NOT TO RESET the faulty GSM Line indication, that is automatically restored when the signal level returns at an acceptable value.

10.11 Lock the dialler calls from outside.

When the dialler goes on alarm, you can see on its display the blinking number of the alarmed channel.

During an alarm condition, the dialler operates as follows:

- Check of line presence (dial tone), if programmed
- Dialling of first number (9th follow me nr. if programmed) and then, in sequence, from 1st to 8th
- Acknowledge of ringing tone (if programmed) and waiting for the answer. If there's no answer or the called nr. is engaged, it returns to point b) and dials the following number in the sequence. If the acknowledge of ringing tone is not programmed or the call is made via GSM, the VOICE starts automatically the message after about 10 secs. after the end of dialling the nr.
- After dialling the nr. it starts with the "ATTENTION" message and waits for the answer, then it gives the "ALARM" message. Next it goes back to the point b) for the following nr. At the end of the callings, the dialler returns in stand-by condition and you can see on its display, the last alarmed channel with the most important priority.
- If the called user doesn't press the key "**# PLAY**", the calls to his nr. will be repeated as many times as programmed. If the key "*** REC**" is pressed by the user during the call from the dialler, this operation stops ALL the pending calls to ALL the numbers and resets the alarm condition of the dialler.
- The dialler returns to the stand-by condition after the user has entered his code on the keypad of the VOICE or after a new arming of the alarm system (if the Installer has made the proper connections).

ATTENTION

IF THE CALLED USER DIGITS THE COMMAND OF INTERRUPTION (KEY "* REC**"), THE VOICE STOPS THE PENDING CALL AND ALL THE FOLLOWING CALLS. THIS OPERATION ALSO RESETS THE ALARM MEMORY OF THE DIALLER. IN THIS WAY FOR THE USER WILL NOT BE POSSIBLE TO ASK TO THE DIALLER THE MESSAGE OF ALARM MEMORY AND THE DISPLAY WILL NOT SHOW THE ALARMED CHANNEL NR. A NEW ALARM CONDITION WILL START AGAIN THE DIALLER.**

10.12 Remote management.

It is possible to manage remotely the dialler, either during an incoming call to the user from the dialler (if programmed) or during a direct call from the user to the dialler (a password is needed). All the commands are sent via DTMF tones from the keypad of the telephone.

If the user calls the dialler to interrogate it, the dialler plays a tone of warning and the user must enter its user code (default 67890), after the acknowledgement of the right entered user code, select the command.

If the user is called from the dialler, in this case is not required to enter the user code and is enough to select the command to the dialler, at the end of the transmission of the alarm message.

The user can:

- a) to stop the whole cycle of calls (to all programmed numbers) by pressing “* REC” on his own telephone.
- b) to stop the cycle of calls just to his number by pressing “# PLAY”
- c) to stop the pending call by pressing the key “9” on his own telephone (No alarm reset)
- d) to deactivate the relay output by pressing the key “0” on his own telephone. If this output is programmed as toggle, the Voice automatically will inform the user, with a vocal message, about the status of the output.
- e) to activate the relay output by pressing the key “1” on his own telephone. the Voice automatically will inform the user, with a vocal message, about the status of the output.
- f) to activate the electronic output O2 by pressing the key “2” on his own telephone. After about 4 secs. the user will hear the vocal message associated to the input AB 1/2.
- g) to ask about the status of inputs AB 1/2 and AB 3/4 by pressing the key “3” on his own telephone.
- h) to ask about the status of relay output, if programmed “toggle”, by pressing the key “4” on his own telephone.
- i) to verify the presence of GSM field or the status of PSTN line (if the call is made via GSM line) by pressing the key “5” on his own telephone. If there isn't GSM field, the Voice will send a vocal message of “Faulty Line”.
- j) to listen again the received alarm message by pressing the key “6” on his own telephone.

USER’S DTMF COMMANDS FROM OUTSIDE

KEY	RESULT
0	Deactivation of relay output (just if the relay is programmed as toggle)
1	Activation of the relay output (toggle or pulse)
2	Activation of the electronic output O2 (pulse)
3	Query of status of inputs AB 1/2 and AB 3/4 (vocal answer)
4	Query of status of relay output, if programmed “toggle” (vocal answer)
5	Query of status of GSM field or PSTN line (vocal answer)
6	Relistening of the message / Pending alarm messages
7	Listen in command (only with audio module)
8	Speak in command (only with audio module)
9	Stop of pending communication
*	Reset of pending alarm – Stop of communication – Lock of all calls to all numbers
#	Lock of calls just to your own number

N.B.

The commands above are active just if the number has empowered the DTMF.

The only command that is always active is “#”.

When the User calls the dialler, he must wait for an answer, then enter the User Code, wait for the acoustic signal of acknowledgement of correct code and then enter one of above commands. If there is a pending alarm, by pressing the key “6”, is possible to relisten the channel interested from the alarm. The key “*” resets the pending alarm.

10.13 Remote check of the general status of the dialler, by SMS.

To receive from "The Voice" its General Status by SMS, it's required to send to its SIM phone nr. the following sequence:

xxxxxS where:

xxxxx is the User Code (five digits)
S is the command of request of General Status.

The answer will be sent to the number who made the request as follows:

- STATO GENERALE -

CANALI (channels)	1=OK	2=OK	3=OK	4=OK	(or KO if something is not OK)
ABILIT.	1=OFF	2=OFF			(or ON)
USCITE (outputs)	1=OFF	2=OFF			(or ON)
ALIMENT (power supply)		OK			(or KO)
STATO SIM		OK			(or KO)
LIV. GSM		nn	(it's a number from 0 to 31 to indicate the GSM power level)		
Linea PSTN		OK			(or KO)

IMPORTANT:

In order to obtain this info by SMS, the phone number who sends the request **must** be visible.

10.14 Management of the answering machine override

The Voice is ready to be connected to an answering machine or a fax.

To avoid improper answering sequences between those devices (one before of another or all simultaneously), the dialler operates as follows:

- If there's not present a fax or an answering machine, or these devices aren't connected to the phone line or they are not active, the dialler gives an answer after the programmed number of rings.

- When these devices are present and active, if the User needs to query something to the dialler, he must call the Voice twice; the first call must be closed after the first ring, then wait for a few seconds and re-call it within 20 secs.

The dialler will answer at the first ring in any case (avoid to program nr. of rings = 0 'cause, only in this case, it will never answer). Naturally, the fax or the answering machine, must be programmed for an answer at least after two or more rings.

10.15 Display indications.

On the display of the VOICE, you can see the following indications:

"L" = PSTN line fault

"L" = GSM line fault

"J" = SIM fault (broken, absent or credit expiring)

"G" = transmission of fault message – blinking (low power supply or faulty SIM)

". " = memory of fault condition – steady (low power supply or faulty SIM)

"1" = blinking : sending alarm channel 1 – steady: channel 1 alarm memory

"2" = blinking : sending alarm channel 2 – steady: channel 2 alarm memory

"3" = blinking : sending alarm channel 3 – steady: channel 3 alarm memory

"4" = blinking : sending alarm channel 4 – steady: channel 4 alarm memory

IMPORTANT NOTE FOR GSM MODULE INSIDE:

BEFORE PUTTING THE SIM INSIDE THE DIALLER, REMEMBER TO DEACTIVATE THE PIN CODE OF THE SIM, ERASE ALL THE SMS (INGOING & OUTGOING) ON THE SIM.

IN ORDER TO MAKE ALL THESE SETTINGS, USE A NORMAL GSM PHONE.

REMEMBER THAT THE SIM, MUST BE PUT INTO ITS LOCATION, ONLY WITHOUT ANY POWER TO THE DIALLER, OR THIS CAN COMPROMISE THE GOOD FUNCTIONING OF THE DEVICE AND THIS KIND OF FAULT IS NOT UNDER WARRANTY.



SECURFORCE 

CE