

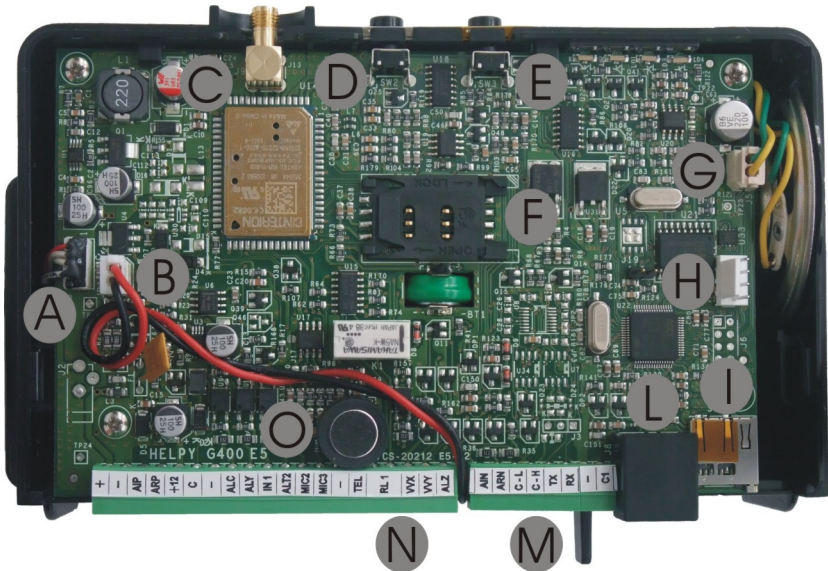
# 9000 GSM

**ELSECO**

**Alarm system for elevators**

**QUICK GUIDE**

# INSTALLING



- A Internal power-supply connector
- B Built-in backup battery connector
- C Antenna cable connector
- D Reset pushbutton
- E Alarm pushbutton
- F SIM Card slot with front panel
- G Built-in loudspeaker connector
- H Serial port for PC connection
- I (not present)
- L RJ11 connector for local telephone
- M Battery compartment door
- N Terminal blocks
- O Built-in microphone



LED signalling alarm / periodical test call (yellow)



LED signalling GSM signal strength (green)



LED signalling GSM status (red)



LED signalling power supply status (blue)

## Terminal blocks

N.	NAME	DESCRIPTION
01	+	POWER SUPPLY INPUT (11-14VDC) <sup>(1)</sup>
02	-	
03	<b>AIP</b>	GIVEN ALARM INDICATOR LIGHT (output: 12VDC)
04	<b>ARP</b>	RECEIVED ALARM INDICATOR LIGHT (output: 12VDC)
05	<b>+12</b>	12VDC OUTPUT (max. 100mA)
06	<b>C</b>	COMMON TERMINAL FOR INPUT ALC <sup>(2)</sup>
07	-	NEGATIVE POLE
08	<b>ALC</b>	ALARM INPUT FOR THE ELEVATOR CAR <sup>(3)</sup>
09	<b>ALY</b>	RIDE COUNTER INPUT <sup>(4)</sup>
10	<b>IN1</b>	OUT OF/BACK IN SERVICE INPUT <sup>(4)</sup>
11	<b>ALT2</b>	OUTPUT FOR CONNECTING THE LOUDSPEAKER OF A PASSIVE SPEAKING UNIT
12	<b>MIC2</b>	INPUT FOR CONNECTING THE MICROPHONE OF A PASSIVE SPEAKING UNIT OR A SINGLE MICROPHONE
13	<b>MIC3</b>	INPUT FOR CONNECTING THE MICROPHONE OF A PASSIVE SPEAKING UNIT OR A SINGLE MICROPHONE
14	-	NEGATIVE POLE
15	<b>TEL</b>	LOCAL TELEPHONE
16	<b>RL1</b>	RELAY <sup>(5)</sup>
17	<b>RL1</b>	RELAY <sup>(5)</sup>
18	<b>VVX</b>	OUTPUT FOR CONNECTING THE ACTIVE SPEAKING UNIT FOR THE ELEVATOR CAR
19	<b>VVY</b>	(not available)
20	<b>ALZ</b>	DOOR MOVEMENT INPUT <sup>(4)</sup>
21	<b>AIN</b>	GIVEN ALARM INDICATOR LIGHT (output: 0VDC)
22	<b>ARN</b>	RECEIVED ALARM INDICATOR LIGHT (output: 0VDC)
27	-	NEGATIVE POLE
28	<b>C1</b>	COMMON TERMINAL FOR INPUT IN1 <sup>(2)</sup>

<sup>(1)</sup> : before using this input disconnect the internal power-supply cable from the A connector in the picture at page 2

<sup>(2)</sup> : can be connected to a block -, to the block **+12** or to an external reference

<sup>(3)</sup> : allows to connect voltage free contact pushbuttons (NO or NC) or powered pushbuttons

<sup>(4)</sup> : allows to connect voltage free contacts (NC)

<sup>(5)</sup> : free contact NO

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## **INSERTING THE SIM CARD**

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Before inserting the SIM card, make sure the device is off and use all due precaution to avoid electrostatic discharge.

- Remove the cover by unscrewing the two screws.
- Push the SIM Card housing cover as indicated by the arrow OPEN until it unlocks and lift it.
- Carefully slide the SIM Card into its housing cover.
- Lower the SIM Card housing cover and push it as indicated by the arrow LOCK until it locks in place.

### **ATTENTION**

**It is not required to remove the PIN code prior to the use of the 9000GSM.  
The PIN code can be entered, if necessary, by setting parameter 282.**

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## **INSTALLING THE ANTENNA**

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- Screw the antenna extension cable provided in the appropriate connector.

### **ATTENTION**

**Position the antenna with magnetic base so that any metal surfaces do not block the signal.**

### **ATTENTION**

**In order to avoid damage, never power up the base station without having first installed the antenna.**

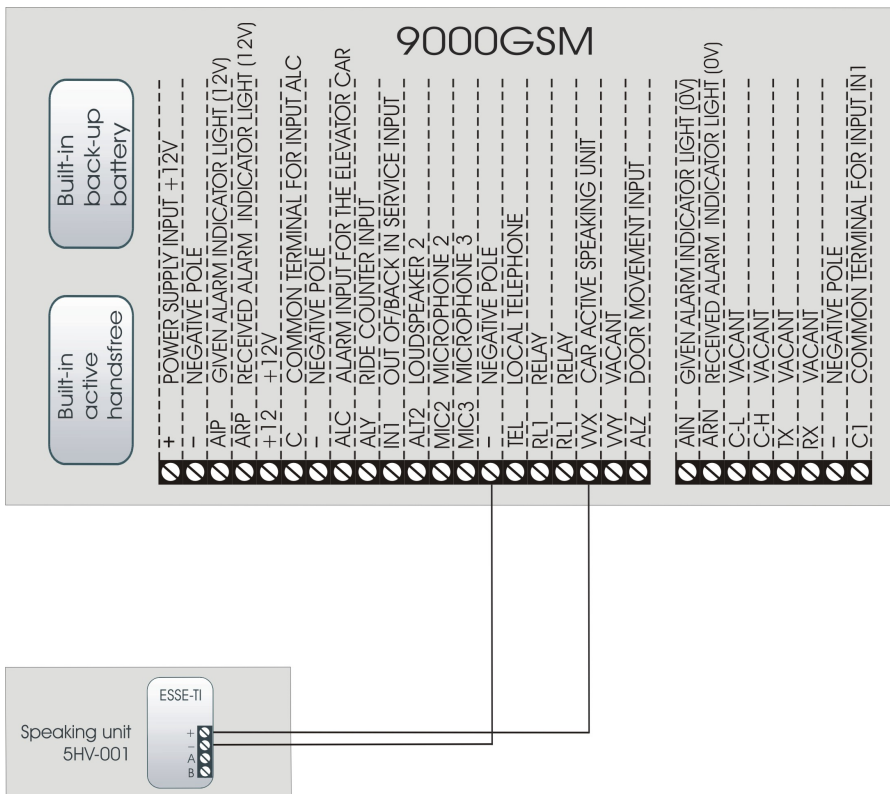
### **ATTENTION**

**Do not install the product in the immediate vicinity of other electrical or electronic equipment that was not designed to be combined with it and that could cause disturbance or interference.**

# CONNECTING THE SPEAKING UNIT FOR THE ELEVATOR CAR

- Connect the active speaking unit (beware of terminal polarity):

ACTIVE SPEAKING UNIT TERMINAL BLOCKS	9000GSM TERMINAL BLOCKS
+	VVX
-	-

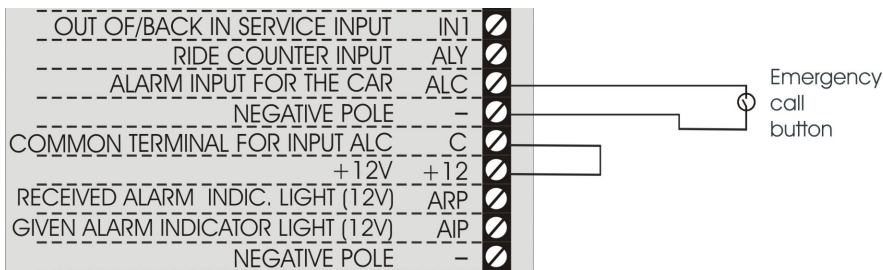


## CONNECTING THE EMERGENCY CALL BUTTON

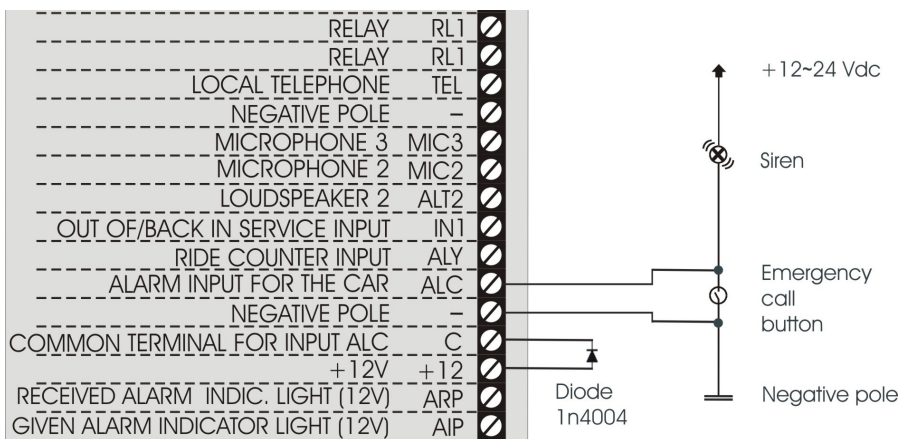
It is possible to connect (inside the elevator car) voltage free contact pushbuttons or powered pushbuttons.

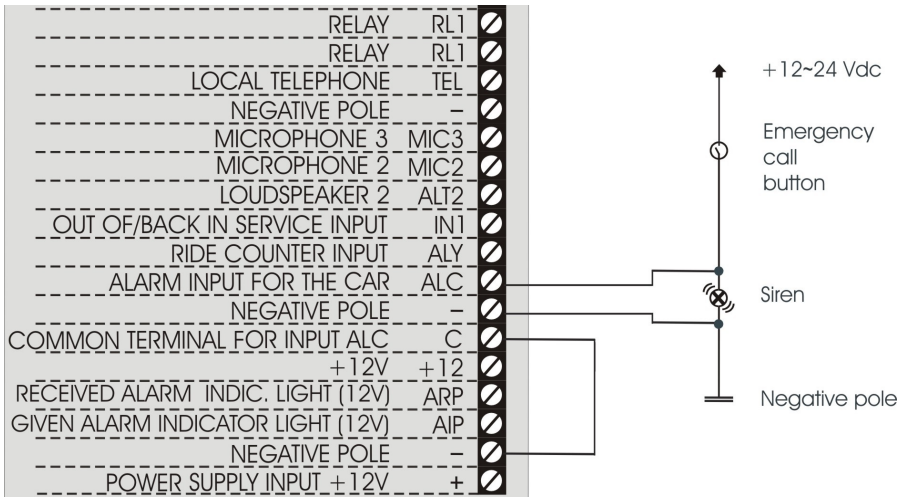
- Connect, following one of the diagrams shown below, the car pushbutton.

### Voltage free contact pushbuttons



### Powered pushbuttons (12~24Vdc) – 2 solutions

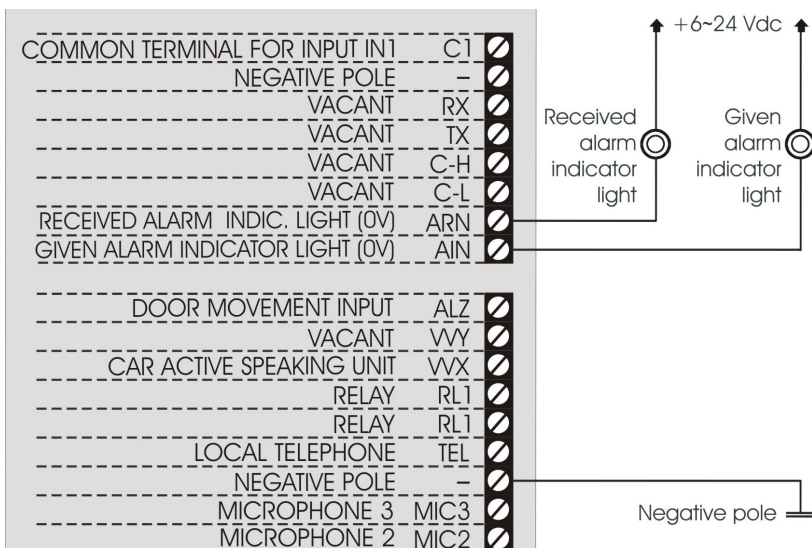
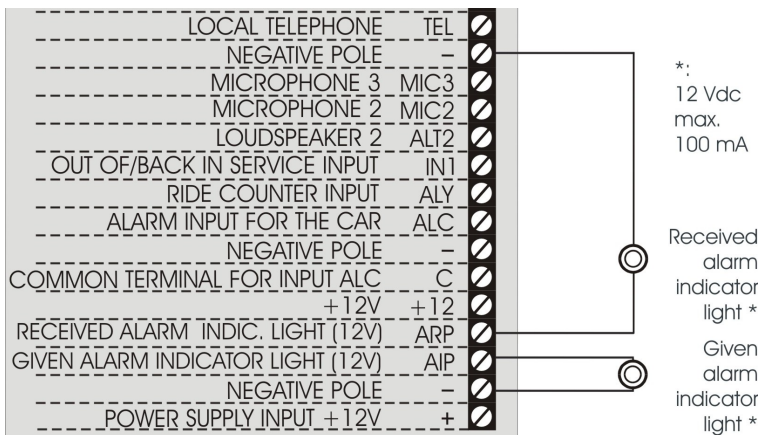




## CONNECTING THE INDICATOR LIGHTS

The GIVEN ALARM INDICATOR LIGHT (yellow) switches on after pressing the emergency button to indicate the beginning of the alarm procedure and stays steady light until the end. The RECEIVED ALARM INDICATOR LIGHT (green) switches on when the alarm call is answered.

- Connect, following one of the diagrams shown below, the indicator lights.





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## **CONNECTING THE RIDE COUNTER INPUT AND THE DOOR MOVEMENT INPUT**

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- Connect the ride counter contact (normally closed) to ALY and – terminals.
- Connect the door movement contact (normally closed) to ALZ and – terminals.

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## **CONNECTING THE OUT OF/BACK IN SERVICE INPUT**

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- Connect the out of/back in service contact as per one of the modes shown in the table:

<b>C1 TERMINAL CONNECTED TO:</b>	<b>OUT OF/BACK IN SERVICE CONTACT</b>
+12	IN1 / –
–	IN1 / +12
external reference	IN1 / external reference

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## **CONNECTING THE RELAY**

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- Connect the output RL1 (normally open contact) to the external device.

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## **CONNECTING THE LOCAL TELEPHONE**

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- Connect the local telephone (for programming and managing the device) directly to the RJ11 connector (L in the picture at page 2) or to TEL and – terminals (irrespective of the polarity).

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## TURNING ON

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### Power connection

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- Connect the power supply cable to the 230Vac mains.
- or
- Connect an external 12Vdc power supply (min. 11Vdc, max. 14Vdc) to the power supply input of the terminal block (+ and – terminals).
- Connect the built-in backup battery cable to the slot B in the picture at page 2.
- Close the cover by screwing the two screws.

*Note: the power supply cable's plug must be always easily accessible.*

*Note: a protection cut-out switch must be installed upstream to interrupt power supply in case of fault.*

### Turning on

- Wait 1 minute after power-up to give time to the 9000GSM to register correctly with the GSM network.
- Make sure the GSM status LED (◀) flashes briefly once every 3 seconds as shown in the paragraph "LED signalling GSM status" on page 24.

If the GSM status LED (◀) flashes quicker and stays lit for a longer time (see on page 24), the 9000GSM has not properly registered with the GSM provider or the SIM card is protected by PIN:

- Check the SIM is correctly inserted and, if the SIM card has a PIN, enter the PIN using the code 282.
- See also the chapter "Troubleshooting" on page 25.
- Check the intensity of the GSM signal using the LED ▲ (see paragraph "LED signalling GSM signal strength" on page 23) and find, for the placement of the antenna, an area with enough signal.

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## OPERATION

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### Alarm calls

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When the emergency-call pushbutton is pressed, the device makes a sequence of calls to the programmed numbers.

- To end the alarm, answer by a called party, speak with the trapped person and hang up.

A notification of end of alarm (EOA) is sent to the programmed telephone number.

### Ride counter

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When the ride counter reaches the programmed number a notification is sent to the programmed telephone number.

<b>RIDES</b>	<b>P100 PROTOCOL</b>
1000	E101
250	E103
100	E104

### Door movements

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When the door movements counter reaches 2000 door movements a notification is sent to the programmed telephone number.

<b>DOOR MOVEMENTS</b>	<b>P100 PROTOCOL</b>
2000	E102

### Out of/back in service

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If the IN1 input is open longer than 10 minutes a notification is sent to the programmed telephone number.

A new notification is sent when IN1 is closed.

<b>OUT OF/BACK IN SERVICE</b>	<b>P100 PROTOCOL</b>
IN1 open (>10 m.)	A107
IN1 closed	A109

### Stuck button

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After an emergency-call, if the pushbutton is stuck longer than 5 minutes a notification is sent to the programmed telephone number.

If the pushbutton is not repaired a new notification is sent every day.

## Diagnostic

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If the diagnostic alarm is enabled, every 7 days, the speaking unit of the car is checked. If the test fails a notification is sent to the programmed telephone number.

## Low battery

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If the battery check is enabled, when the charge goes below the threshold a notification is sent to the programmed telephone number.

## Power failure

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If the control on power failure is enabled, 9000GSM constantly controls the external power supply. If the power failure lasts longer than the preset time interval, a notification is sent to the programmed telephone number.

A new notification is sent when the power supply is restored for 5 minutes.

<b>POWER FAILURE</b>	<b>P100 PROTOCOL</b>
Power supply restored	A131

## Automatic tests

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If the automatic test is enabled, according to the norms on elevator alarm systems (EN 81-28:2004), a notification is sent to the programmed telephone number every 3 days.

## QUICK PROGRAMMING

- Lift the local telephone handset and dial:

access programming mode	*0#
first telephone number for the emergency-call alarm	210112 <telephone number> #
second telephone number for the emergency-call alarm (if any)	210212 <telephone number> #
third telephone number for the emergency-call alarm (if any)	210312 <telephone number> #
fourth telephone number for the emergency-call alarm (if any)	210412 <telephone number> #
number for low battery notification	210526 <telephone number> #
number for automatic test notification	210634 <telephone number> #
number for power failure notification	210776 <telephone number> #
number for LMS notifications (ride counter / door movements / out of/back in service / stuck button / diagnostic)	210846 <telephone number> #
number for start/end of alarm notification	210996 <telephone number> #
P100 protocol identification	223 <identification code>
rides number	261 100 # or 261 250 # or 261 1000 #
enable battery check	521
enable power failure control	51 XX XX = minutes
enable diagnostic check	541
record the elevator identification message	7101 <pronounce the message and hang up>
listen to the message	7201

# PROGRAMMING GUIDE

In the tables:

- **INST** indicates that programming is allowed by the installer;
- **OPER** indicates that the programming is allowed by the maintenance technician;
- factory programming is highlighted in bold.

## Basic programming

BASIC PROGRAMMING					
<b>ACCESS TO PROGRAMMING</b>	<input checked="" type="checkbox"/> <INSTALLER or OPERATOR PASSWORD> <input checked="" type="hash"/> (factory setting: <input checked="" type="checkbox"/> <input type="0"/> <input checked="" type="hash"/> )				
<b>EXITING THE PROGRAMMING</b>	<input checked="" type="checkbox"/> <INSTALLER or OPERATOR PASSWORD> <input checked="" type="hash"/> (factory setting: <input checked="" type="checkbox"/> <input type="0"/> <input checked="" type="hash"/> )				
<b>TELEPHONE NUMBERS (INST)</b>	<input type="2"/> <input type="1"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (position from 01 to 12)	SOURCE	RECEIVER	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> <input checked="" type="hash"/> (X...X = telephone number, max 20 digits)
			<input type="1"/> emergency-call button	-	
			<input type="2"/> battery alarm	<input type="2"/> USER	
			<input type="3"/> periodic automatic test call	<input type="3"/> ESSE-TI	
			<input type="4"/> LMS	<input type="4"/> CLI	
			<input type="7"/> no external power supply alarm	<input type="5"/> SMS	
<input type="9"/> start/end of alarm	<input type="6"/> P100				
<b>DELETING TELEPHONE NUMBER (INST)</b>	<input type="2"/> <input type="1"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> ( position from 01 to 12)	<input checked="" type="hash"/>		

## BASIC PROGRAMMING

Stored numbers:

- position 01: 0650951412 (emergency-call button / user)
- position 05: 00318511110333 (battery alarm / P100)
- position 06: 00318511110330 (periodic automatic test call / CLI)
- position 07: 00318511110333 (no external power supply alarm / P100)
- position 08: 00318511110333 (LMS / P100)
- position 09: 00318511110333 (start/end of alarm / P100)

<b>DATE (INST)</b>	3 6	WEEKDAY ----- <input type="checkbox"/> SUNDAY ----- <input type="checkbox"/> MONDAY ----- <input type="checkbox"/> TUESDAY ----- <input type="checkbox"/> WEDNESDAY ----- <input type="checkbox"/> THURSDAY ----- <input type="checkbox"/> FRIDAY ----- <input type="checkbox"/> SATURDAY	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (dd) (mm) (yy)	
<b>TIME (INST)</b>	3 5	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (hhmm; from 0000 to 2359)		
<b>RECORD THE MESSAGES (INST)</b>	7 1	<input type="checkbox"/> <input type="checkbox"/> identification message (max. 25s) ----- <input type="checkbox"/> <input type="checkbox"/> courtesy message (max. 25s)	(record)	(hang up)
<b>LISTEN TO THE MESSAGES (INST/OPER)</b>	7 2	<input type="checkbox"/> <input type="checkbox"/> identification message ----- <input type="checkbox"/> <input type="checkbox"/> courtesy message	(listen)	
<b>TYPE OF INSTALLATION (INST)</b>	Number of active SPEAKING UNITS	6 3	<input type="checkbox"/> only the built-in active SPEAKING UNIT ----- <input checked="" type="checkbox"/> <b>built-in active SPEAKING UNIT and 1 active SPEAKING UNIT connected</b>	
	Active SPEAKING UNIT in the car	7 3	<input type="checkbox"/> no ----- <input checked="" type="checkbox"/> <b>yes</b>	

BASIC PROGRAMMING					
<b>LOW BATTERY ALARM (INST)</b>	5 2	0 disabled alarm			
		1 enabled alarm			
<b>REPLACE BATTERY ALARM (INST)</b>	5 6	0 disabled alarm			
		1 enabled alarm			
<b>AUTOMATIC TEST DATA (INST)</b>	Frequency days	3 1	<input checked="" type="checkbox"/> (days, from 1 to 9)		
	Time of the call	3 2	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (hhmm, from 0000 to 2359; factory default <b>1628</b> )		
	Enabling automatic test	3 4	0 automatic test disabled		
	Manually perform a test call	1 automatic test enabled			
<b>PROTOCOLS IDENTIFICATION CODE (INST)</b>	2 2	2 Esse-ti	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> (identification Code; P100 factory default <b>01238765</b> )		
		3 P100			[#]
<b>SPEAKING UNITS VOLUME (INST/OPER)</b>	8 0	1 built-in active speaking unit	<input checked="" type="checkbox"/> loudspeaker (from 1 to 5; factory default <b>2</b> )	<input checked="" type="checkbox"/> microphone (from 8 to 9; factory default <b>8</b> )	
		3 speaking unit connected to VVX			#
<b>MESSAGES VOLUME (INST/OPER)</b>	8 0 4	<input checked="" type="checkbox"/> (from 1 to 5; factory default <b>2</b> )		#	
<b>GENERAL VOLUME (INST/OPER)</b>	8 1	<input checked="" type="checkbox"/> loudspeaker (from 1 to 5; factory default <b>2</b> )	<input checked="" type="checkbox"/> microphone from 8 to 9; factory default <b>8</b> )	<input checked="" type="checkbox"/> messages (from 1 to 5; factory default <b>2</b> )	#
<b>LISTEN TO THE PROGRAMMING AGAIN (INST)</b>	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> (programming code prefix) <input checked="" type="checkbox"/>				



BASIC PROGRAMMING	
RESTORE FACTORY SETTINGS (INST)	9 9 * 0 #

## Advanced programming

ADVANCED PROGRAMMING			
CHANGE INSTALLER PASSWORD (INST)	9 1	X...X [X] (old)	X..X [X] X..X [X] (new) (new)
CHANGE OPERATOR PASSWORD (INST)	9 2	X...X [X] (old)	X..X [X] X..X [X] (new) (new)
EMERGENCY CALL BUTTONS DELAY (INST)	4 2	X (seconds, from 0 to 9; factory default 3)	
CAR EMERGENCY CALL BUTTON (ALC) NORMALLY CLOSED/OPEN (INST)	4 1	0 normally closed ----- 1 normally open	
ALZ INPUT SETTING (INST)	5 5	0 emergency-call button ----- 1 auxiliary alarm ----- 2 door movement input	
NO EXTERNAL POWER SUPPLY ALARM (INST)	5 1	0 0 disabled alarm ----- X X enabled alarm with XX minutes delay (from 01 to 99; factory default 10)	
SPEAKING UNIT DIAGNOSTIC ALARM (INST)	5 4	0 disabled alarm ----- 1 enabled alarm	
ALARM OPERATION WITHOUT TELEPHONE LINE (INST)	2 5	1 AI indicator light lit and courtesy message ----- 2 AI indicator light unlit and no courtesy message ----- 3 AI indicator light lit and no courtesy message	

## ADVANCED PROGRAMMING

<b>HANDSFREE CONNECTION MODE DURING AN ALARM (INST)</b>	7 8	<input type="checkbox"/> handsfree activation by "Handsfree activation" code <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> automatic handsfree activation after messages <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> <b>immediate and automatic handsfree activation (no messages)</b>	
<b>ALARM RESET MODE (INST)</b>	7 7	<input type="checkbox"/> <b>automatic reset</b> <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> alarm reset by "End alarm" code	
<b>"ACKNOWLEDGE" CODE (INST)</b>	4 7	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> (from 1 to 3 digits; factory default <b>5</b> )	[ <input checked="" type="checkbox"/> ]
<b>"HANDSFREE ACTIVATION" CODE (INST)</b>	4 5	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> (from 1 to 3 digits; factory default <b>0</b> )	[ <input checked="" type="checkbox"/> ]
<b>"END ALARM" CODE (INST)</b>	4 3	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> (from 1 to 3 digits; factory default <b>9</b> )	[ <input checked="" type="checkbox"/> ]
<b>"EXCLUSION" CODE (INST)</b>	4 4	<input checked="" type="checkbox"/> ... <input checked="" type="checkbox"/> (from 1 to 3 digits; factory default <b>1</b> )	[ <input checked="" type="checkbox"/> ]
<b>RESET MESSAGES (INST)</b>	7 4	<input type="checkbox"/> <input type="checkbox"/> identification message <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> <input type="checkbox"/> courtesy message	
<b>CHANGE LANGUAGE (INST)</b>	7 9	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (language: 01 English, <b>90 mute</b> )	
<b>MULTI-LANGUAGE COURTESY MESSAGE (INST)</b>	8 9	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (second language)	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> (third language)      [ <input checked="" type="checkbox"/> ]
<b>DURATION OF HANDSFREE CONNECTION DURING ALARM (INST)</b>	4 6	<input checked="" type="checkbox"/> (duration = X * 5 minutes; from 0 to 9; 0 = 10 * 5 minutes; factory default <b>2</b> )	
<b>NUMBER OF CALLS TO THE SAME NUMBER FOR EACH CYCLE (INST)</b>	6 0	<input checked="" type="checkbox"/> (calls, from <b>1</b> to 9)	

## ADVANCED PROGRAMMING

<b>CALL CYCLES FOR TECHNOLOGICAL ALARMS AND TEST CALLS (INST)</b>	6 2	<input checked="" type="checkbox"/> (cycles, from 1 to 9; 0= 10 cycles; factory default <b>3</b> )
<b>CALL CYCLES FOR EMERGENCY CALL ALARMS (INST)</b>	6 9	<input checked="" type="checkbox"/> (cycles, from 1 to 9; 0= unlimited; factory default <b>3</b> )
<b>AUTOMATIC ANSWER (INST)</b>	6 4	<input checked="" type="checkbox"/> (ring number, from 1 to 9; 0= 10 rings; factory default <b>2</b> )
<b>OPERATION MODE AFTER AUTOMATIC ANSWER (INST)</b>	7 6	<input type="checkbox"/> programming mode <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> <b>direct connection with the car</b>
<b>CONNECTION DURATION AFTER AUTOMATIC RESPONSE (INST)</b>	6 5	<input checked="" type="checkbox"/> (minutes, from 1 to <b>9</b> )
<b>NOTIFICATION EVENT (INST)</b>	2 3	<input type="checkbox"/> <input type="checkbox"/> notification event disabled <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> <input type="checkbox"/> <b>notification event enabled</b>
<b>RELAY SETTING (INST)</b>	7 5 1	<input type="checkbox"/> same behaviour as output AI <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> same behaviour as output AR <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> active for external power failure <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> door opener <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> active as long as the emergency alarm progresses <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> <b>active as long as the buttons are pressed</b>
<b>RELAY INTERMITTENCE (INST)</b>	3 0	<input type="checkbox"/> <b>steady-state</b> <hr style="border-top: 1px dashed black;"/> <input type="checkbox"/> intermittent (500 ms ON / 500 ms OFF)
<b>DTMF GENERATOR SETTING (INST)</b>	8 3	<input type="checkbox"/> DTMF generated by GSM network <hr style="border-top: 1px dashed black;"/> <input checked="" type="checkbox"/> DTMF generated by 9000GSM (DTMF duration = X * 50ms; from 1 to 9; factory default <b>4</b> )

## ADVANCED PROGRAMMING

<b>ENTER PIN CODE (WHEN PIN ACTIVE) (INST)</b>	2 8 2	X...X (PIN) ✕	X...X (PIN) ✕
<b>DISABLE PIN REQUEST (INST)</b>	2 8 3 0		
<b>RIDES NUMBER (INST)</b>	2 6 1	X...X (X...X = 100, 250 or 1000; factory default <b>1000</b> )	⊕
<b>TEST OF ALARMS (INST)</b>	9 0 0 9 9	<div style="border-bottom: 1px dashed black; padding-bottom: 5px;">1 emergency-call button</div> <div style="border-bottom: 1px dashed black; padding-bottom: 5px;">2 battery alarms</div> <div style="border-bottom: 1px dashed black; padding-bottom: 5px;">3 periodic automatic test call</div> <div style="padding-bottom: 5px;">7 no external power supply alarm</div>	

# PROGRAMMING VIA SMS

Programming via SMS can be performed from any mobile phone or other device that can send SMS messages. An SMS notifying the programming was performed is sent by the 9000GSM to the number that sent the programming.

## ATTENTION

**Programmed performed via SMS sent from the Internet could not have a positive result if the required format is not followed.**

### MESSAGE FORMAT

Each programming SMS must contain the password, which allows access to programming, and the programming codes to be performed.

The message format must be as follows:

**Et!hg \*xxx# c..c c..c**

Where:

Et!hg : is the start of the programming string

\*xxx# : is the password string (default installer password xxx = 0)

c..c : programming code

The strings and programming codes must be separated by a space.

Refer to the related paragraphs for the programming codes.

### NOTIFICATION MESSAGE FORMAT

The format of the notification message to the user who sent a programming SMS is similar to the programming message:

**Et!hg \*xxx# c..c c..cERROR**

Where:

Et!hg : is the start of the programming string



\*xxx# : is the password string (default installer password xxx = 0)

c..c : is the accepted programming code







c..cERROR : is the refused programming code

# QUICK USE GUIDE

In the tables:

-  : lift the local telephone handset
-  : lift the local telephone handset and dial **\*0#** to access programming

## Local use

LOCAL USE	
CONVERSATION WITH THE CAR	 CONVERSATION
CONVERSATION WITH ONE SPEAKING UNIT	 <b>1 1</b> CAR SPEAKING UNIT
	 <b>1 0</b> DEACTIVATE ALL
EXTERNAL CALLS	 <b>0</b> <TELEPHONE NUMBER>
DOOR OPENER RELAY	 <b>8 2 1</b>
LISTEN TO THE GSM SIGNAL LEVEL	 <b>2 4 4</b>

## Use remotely with 900GSM at rest

- Call 900GSM and wait for a response.
- After listening to the elevator identification message, dial: **\*<password>#** (factory setting: **\*0#**).
- All of the programming and functions below can now be performed:

USE REMOTELY WITH 900GSM AT REST	
CONVERSATION WITH ONE SPEAKING UNIT	<b>1 1</b> CAR SPEAKING UNIT
	<b>1 0</b> DEACTIVATE ALL
DOOR OPENER RELAY	<b>8 2 1</b>
LISTEN TO THE GSM SIGNAL LEVEL	<b>2 4 4</b>

# SIGNALS

## LED signalling alarm / periodical test call (yellow)

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*Emergency-call alarm*



*Emergency call alarm suspended*



*Other alarms - Test call*



## LED signalling GSM signal strength (green)

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*No signal*



*Low signal level*



*Medium signal level*



*Good signal level*



*High signal level*



## LED signalling GSM status (red)

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*GSM module correctly registered on the network*



*9000GSM registering to the GSM network – 9000GSM not registered correctly – PIN request – PIN incorrect – Other problems*



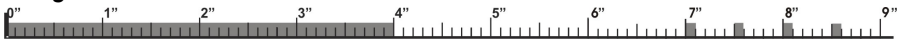
*Call in progress*



## LED signalling power supply status (blue)

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*The external power supply is connected and the battery has max capacity charge*



*The external power supply is connected and the battery has good capacity charge*



*The external power supply is connected and the battery has medium capacity charge*



*The external power supply is connected and the battery has low capacity charge*



*The external power supply is connected and the battery is either disconnected or dead*

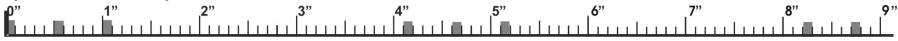


*The external power supply is disconnected and the battery guarantees more than 7-hour operation in idle state*





*The external power supply is disconnected and the battery guarantees up to 7-hour operation in idle state*



*The external power supply is disconnected and the battery guarantees 2-hour operation in idle state*



*The external power supply is disconnected and the battery guarantees 1-hour operation in idle state*



## Troubleshooting

DETECTED PROBLEM	ROOT CAUSE	SOLUTION
All LEDs are unlit	9000GSM not supplied	Check power supply
The GSM status LED ◀ blinks quickly	SIM card not present or not correctly inserted	Correctly insert the SIM card in the dedicated location
	SIM card locked by PIN code	Enter the PIN using the code 282
	SIM card expired or damaged	Check the SIM card operation on your mobile phone
	SIM card not supported (e.g. UMTS)	Use a GSM SIM card
		Make a test with a SIM card from a different GSM provider
	Unconnected antenna or damaged connection cable	Check the antenna connection and the correct operation of the cable
	GSM signal absence	Check the signal strength by your mobile phone
	Insufficient power supply	Check the power supply
Generic SW problem	Switch off and back on 9000GSM	
The GSM status LED ◀ blinks slowly, but the GSM signal LED ▲ is unlit	GSM signal level is too low to allow outgoing calls	Move the antenna into a better position

# NOTES



## **9000GSM**

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### **Esse-ti S.r.l.**

Via G. Capodaglio, 9  
62019 Recanati (MC) – ITALY  
Tel. +39 071 7506066  
Fax +39 071 7506057  
[www.esse-ti.it](http://www.esse-ti.it)  
e-mail: [support@esse-ti.it](mailto:support@esse-ti.it)