esse-ti Helpy Compact-Q With Emergency LEDS User Guide

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esse-ti Helpy Compact-Q With Emergency LEDS

Product Information

The Helpy Compact-Q is an alarm system for elevators that is compliant with the European Standard EN 81-28:2018. It features emergency LEDs and is equipped with a built-in loudspeaker, microphone, and battery. The device also includes various connectors, terminal blocks, and indicator lights.

Terminal Blocks:

Terminal Block	Description
LTI	PSTN-line or universal gateway input
Ground terminal for PSTN-line	
LTO	Output for domestic telephone line
TEL	Local telephone
RL1 NO / RL1 NC / RL1 C	Not available terminal
+ Power supply input (10 Vdc – 30 Vdc)	
AI	Given alarm indicator light (12 Vdc or 0 Vdc via jumper J16)
AR	Received alarm indicator light (12 Vdc or 0 Vdc via jumper J17)
+12	12 Vdc output (max. 100 mA)
C	Common terminal for inputs AL1 and IN1
AL1	Alarm input(1) 1
AL2	Reset input(2) 2 (freely programmable)
IN1	Filter input(2) (freely programmable)
ALT2	Output for connecting loudspeaker of passive speaker unit (top or bottom of elevator car)
MIC2 / MIC3	Input for connecting microphone of passive speaker unit or single microphone (top or bottom of elevator car)

Connecting the Speaker Units:

The Helpy Compact-Q comes with a built-in speaker unit. Additionally, you can connect up to 2 passive speaker units or cables with a microphone on the top and bottom of the elevator car. Follow the table below for making the connections:

PASSIVE SPEAKER UNIT	TERMINAL BLOCKS
A	ALT2
B	MIC2 or MIC3
MAX. DISTANCE	6 m (with shielded cable)

Connecting the Emergency Call Buttons:

If the built-in pushbutton is present, follow the instructions below:

Note: The built-in pushbutton is normally open and cannot be modified. The pushbuttons of the pit, top, and bottom of the elevator car can only be connected to the AL1 terminal block if they are voltage-free NO. The pushbuttons of the pit, top, and bottom of the elevator car can only be connected to the AL2 terminal block if they are voltage-free.

Alarm system for elevators compliant with the European Standard EN 81-28:2018

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DESCRIPTION

- **A** Built-in loudspeaker connector
- **B** Device status LED
- **C** Reset pushbutton
- **D** Serial port for PC connection
- **E** Alarm pushbutton
- **F** Received alarm indicator light
- **G** Micro SD Card slot
- **H** Pushbutton connection cable (connect to S)
- **I** Screw for cover fixing
- **J** Emergency LEDs connection cable (connect to U)
- **K** Built-in microphone
- **L** Built-in battery
- **M** Built-in battery connector
- **N** Given alarm indicator light
- **O** Jumpers J16 / J17
- **P** Terminal blocks
- **Q** Built-in loudspeaker

- **R** Built-in loudspeaker connection cable (connect to A)
- **S** Pushbutton connection cable (connect to H)
- **T** Microphone hole
- **U** Emergency LEDs connection cable (connect to J)
- **V** Emergency LEDs

TERMINAL BLOCKS

- **LTI** PSTN-line or universal gateway input
- **LTI** PSTN-line or universal gateway input
- ⏚ Ground terminal for PSTN-line
- **LTO** Output for domestic telephone line
- **LTO** Output for domestic telephone line
- **TEL** Local telephone
- **—** Negative
- **RL1** NO Not available terminal
- **RL1** NC Not available terminal
- **RL1** C Not available terminal
- **+** Power supply input (10 Vdc – 30 Vdc)
- **—** Negative
- **AI** Given alarm indicator light (12 Vdc or 0 Vdc via jumper J16)
- **AR** Received alarm indicator light (12 Vdc or 0 Vdc via jumper J17)
- **+12** 12 Vdc output (max. 100 mA)
- **C** Common terminal for inputs AL1 and IN1
- **—** Negative
- **AL1** Alarm input(1) 1

- **AL2** Reset input(2) 2 (freely programmable)
- **IN1** Filter input(2) (freely programmable)
- **ALT2** Output for connecting loudspeaker of passive speaker unit (top or bottom of elevator car)
- **MIC2** Input for connecting microphone of passive speaker unit or single microphone (top or bottom of elevator car)
- **MIC3** Input for connecting microphone of passive speaker unit or single microphone (top or bottom of elevator car)
- **—** Negative

1. : when the built-in pushbutton is present, it allows to connect voltage free contact pushbuttons NO; when the built-in pushbutton is NOT present, it allows to connect voltage free contact pushbuttons (NO or NC) or powered pushbuttons
2. : allows to connect voltage free contacts (NO or NC)

CONNECTING THE SPEAKER UNITS

Helpy Compact-Q comes with a built-in speaker unit.
It is also possible to connect to the Helpy Compact-Q up to 2 passive speaker units or cables with microphone on top and bottom of elevator car.

Make the connections as shown in the table below:

<table>
<tr><th></th><th>TERMINAL BLOCKS</th><th>HELPY COMPACT-Q
TERMINAL BLOCKS</th><th>MAX.
DISTANCE</th></tr>
<tr><td rowspan="3">PASSIVE
SPEAKER UNIT</td><td>A</td><td>ALT2</td><td rowspan="3">6 m
(with shielded cable)</td></tr>
<tr><td>B</td><td>MIC2 or MIC3</td></tr>
<tr><td>–</td><td>–</td></tr>
<tr><td colspan="4"></td></tr>
<tr><td rowspan="2">CABLE WITH MICR OPHONE</td><td>red wire</td><td>MIC2 or MIC3</td><td rowspan="2">cable length
(3 m)</td></tr>
<tr><td>white wire</td><td>–</td></tr>
</table>

CONNECTING THE EMERGENCY CALL BUTTONS

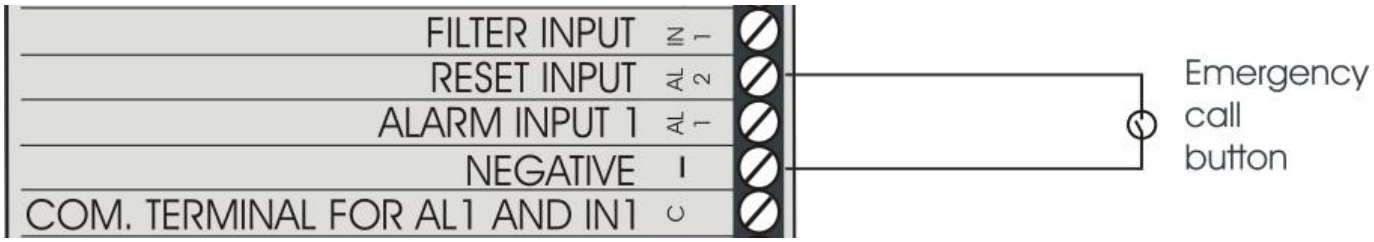
IF THE BUILT-IN PUSHBUTTON IS PRESENT

Note: the built-in pushbutton is normally open and cannot be modified.

The pushbuttons of pit, top and bottom of elevator car can only be connected to AL1 terminal block if they are voltage-free NO.
The pushbuttons of pit, top and bottom of elevator car can only be connected to AL2 terminal block if they are voltage-free.

Note: the reset input (AL2) must be configured as alarm input with the “Inputs setting” programming (codes 390 or 55).
Note: the AL2 input can be configured as NO or NC with the “Inputs normally open/closed” programming (code 41).

Connect, following the diagram shown below, the external pushbuttons.



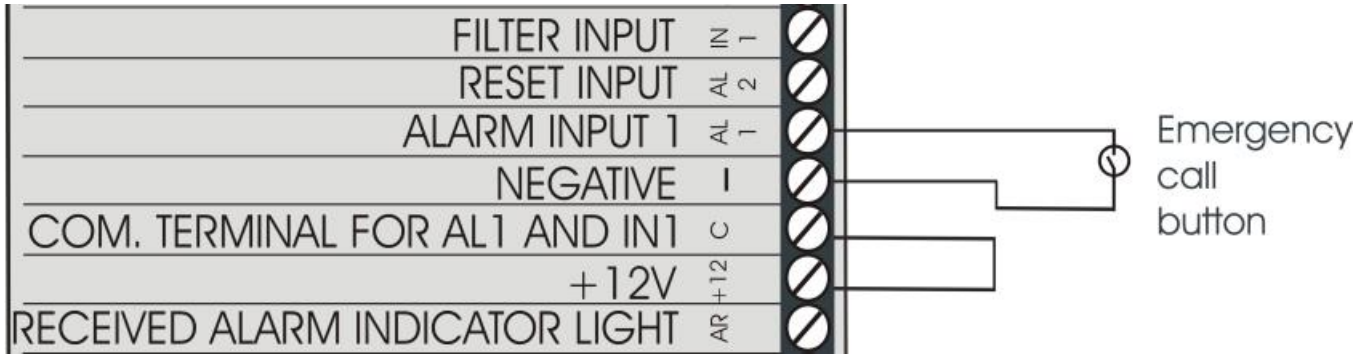
IF THE BUILT-IN PUSHBUTTON IS NOT PRESENT

Connect, following one of the diagrams shown below, the pushbuttons.

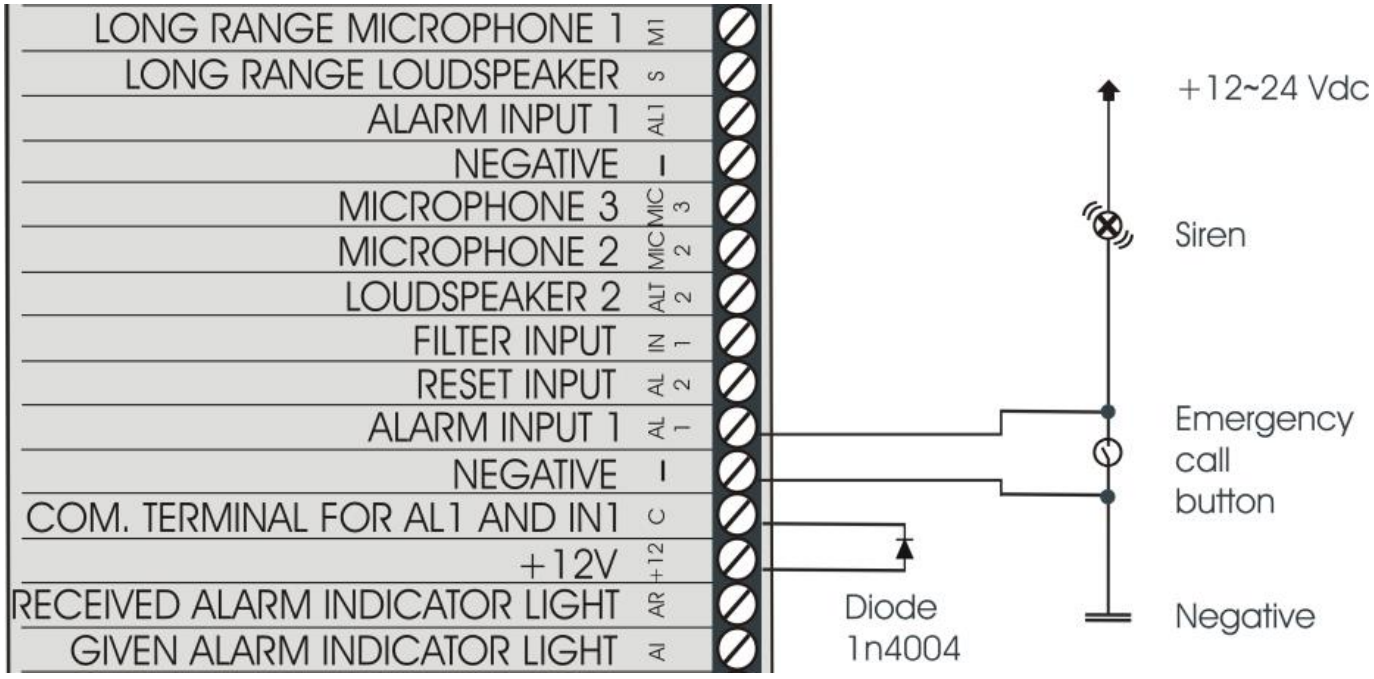
Car pushbutton

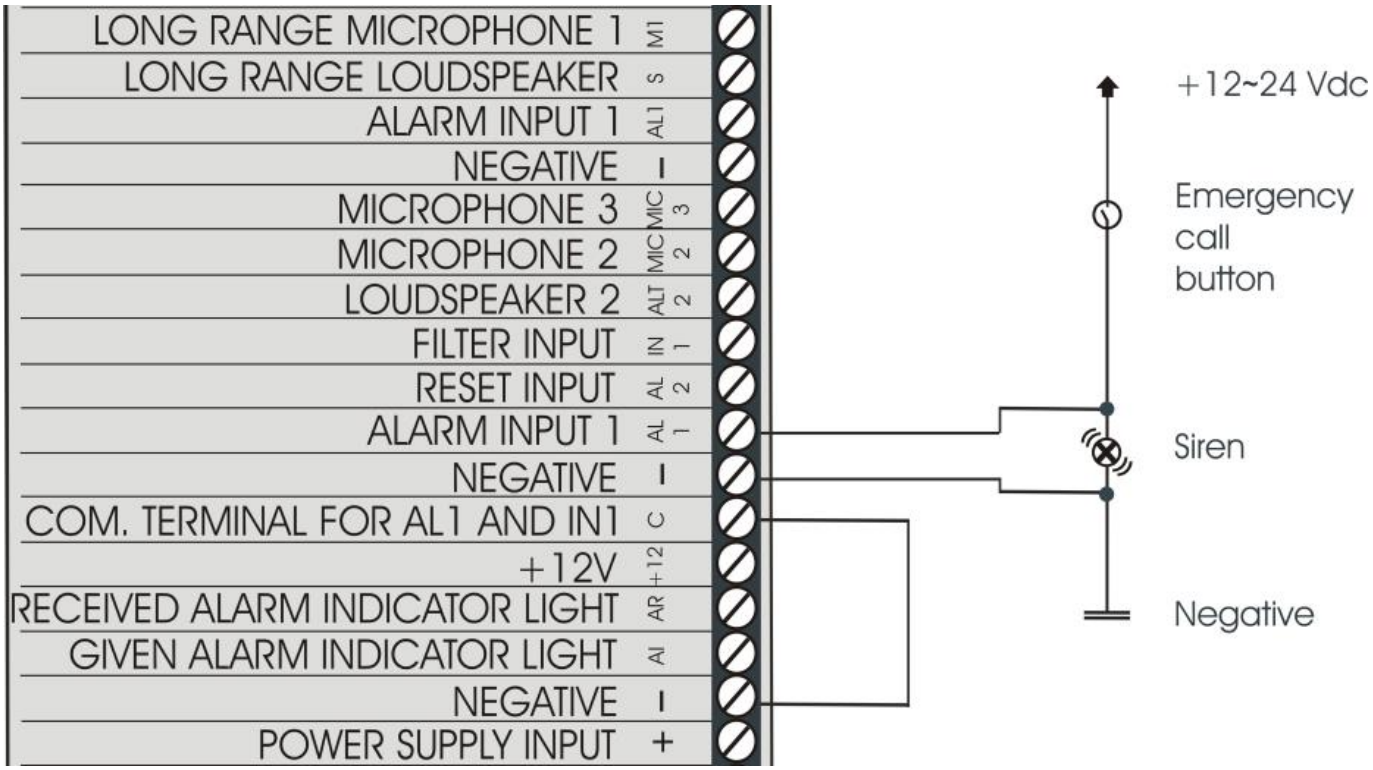
It is possible to connect (inside the elevator car) voltage free contact pushbuttons or powered pushbuttons.

Voltage free contact pushbuttons



Powered pushbuttons (12-24 Vdc) – 2 solutions

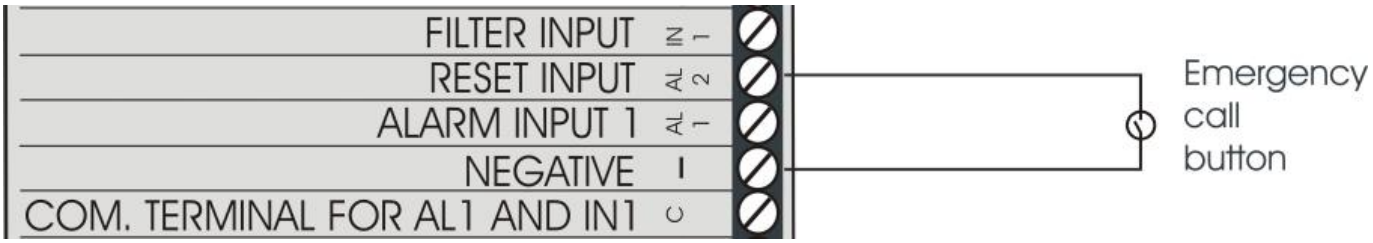




Other pushbuttons

The pushbuttons of pit, top and bottom of elevator car can only be connected to an AL1 terminal block if they are of the same type as the car pushbutton (voltage free or powered, normally open or normally closed).
The pushbuttons of pit, top and bottom of elevator car can only be connected to AL2 terminal block if they are voltage-free.

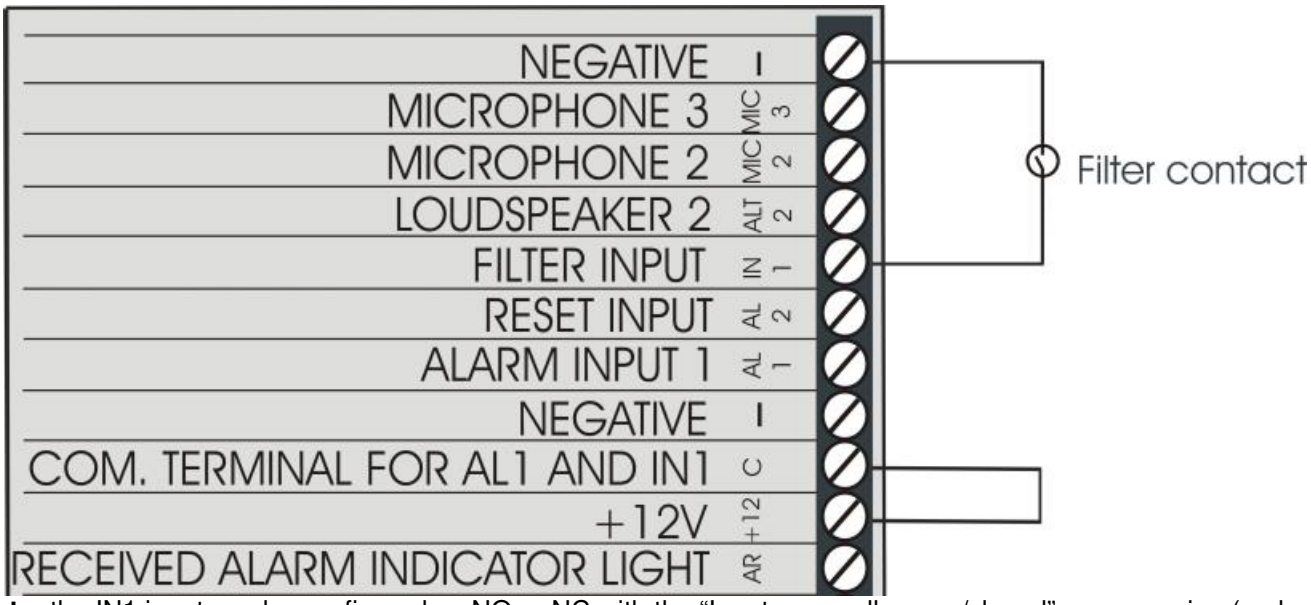
Note: the reset input (AL2) must be configured as alarm input with the “Inputs setting” programming (codes 390 or 55).



CONNECTING THE FILTER INPUT

It is possible to use a voltage free contact (NO or NC).

Connect, following the diagram shown below, the filter contact.



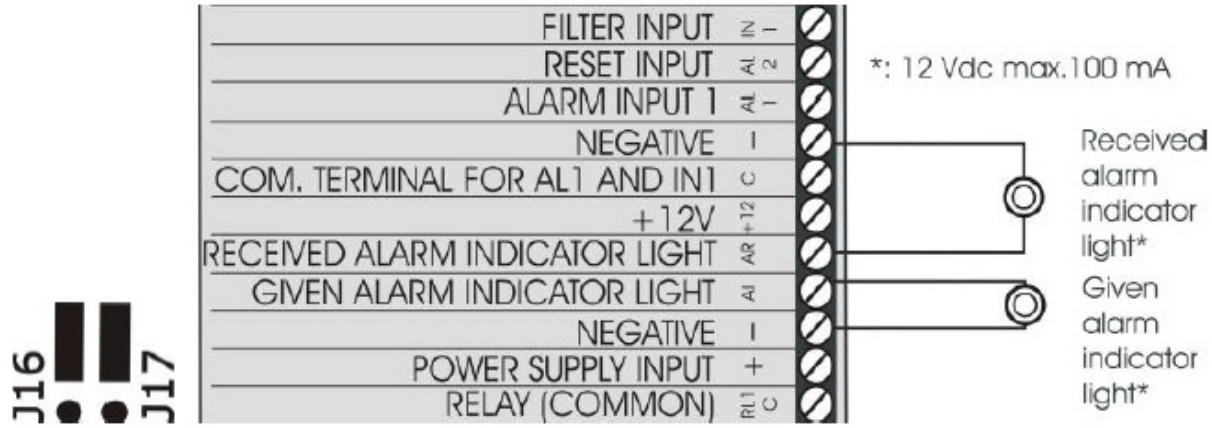
Note: the IN1 input can be configured as NO or NC with the “Inputs normally open/closed” programming (code 41).

CONNECTING THE INDICATOR LIGHTS

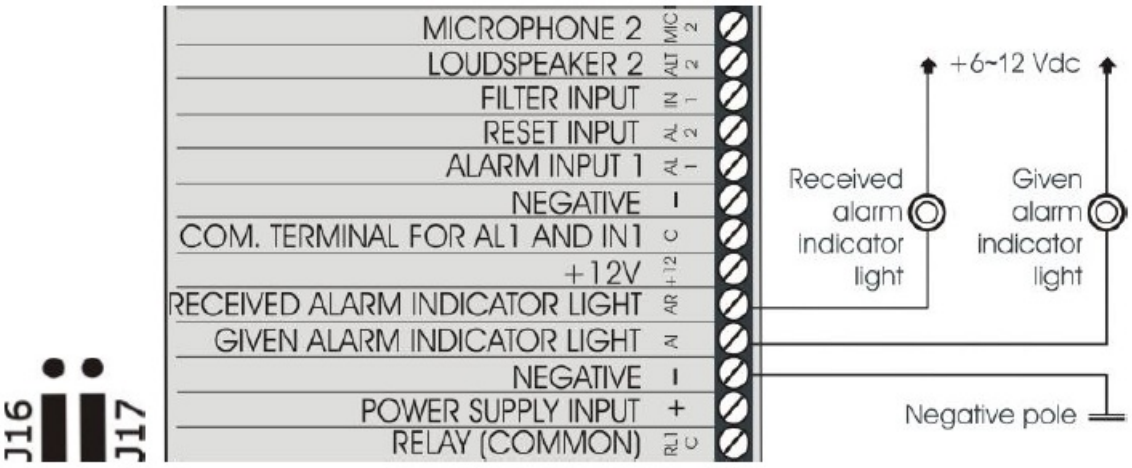
Helpy Compact-Q comes with built-in indicator lights.
The GIVEN ALARM INDICATOR LIGHT (yellow) switches on after pressing the emergency button to indicate the beginning of the alarm procedure. The RECEIVED ALARM INDICATOR LIGHT (green) switches on when the alarm call is answered.
It is also possible to connect external indicator lights.

- Connect, following one of the diagrams shown below, the external indicator lights to the Helpy Compact-Q.

Output 12 Vdc (factory setting)



Output 0 Vdc



OTHER CONNECTIONS

CONNECTING THE TELEPHONE LINE

PSTN line or universal gateway (2G/3G/4G)

- Connect the ground terminal (indicated by ⏚), to a ground socket in order to increase the PSTN line protection.
- Connect the telephone line to LTI terminals.

CONNECTING THE LOCAL TELEPHONE

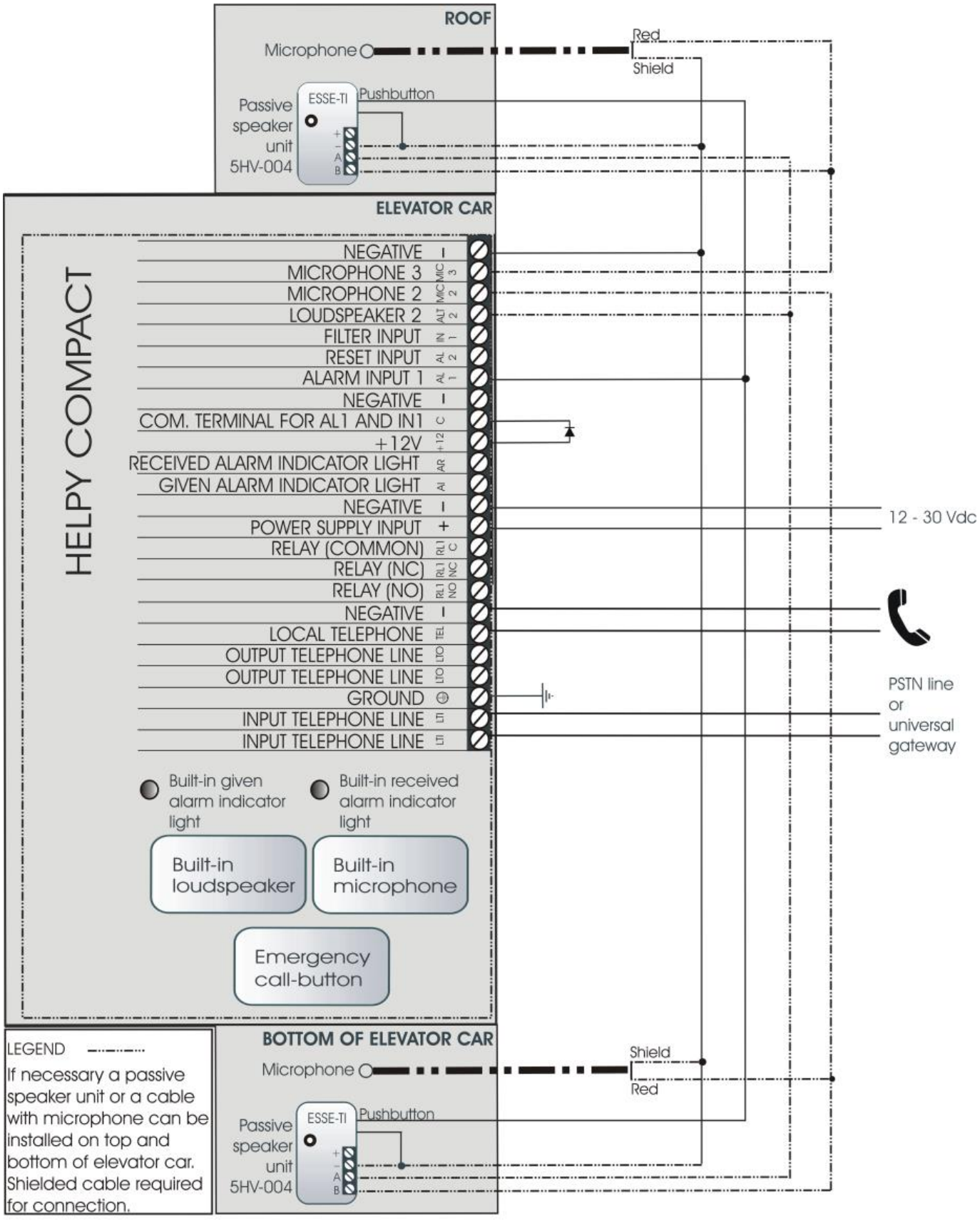
- Connect the local telephone (for programming and managing the device) to TEL and – terminals (irrespective of the polarity).

CONNECTING THE RESET CONTACT

It is possible to use a voltage free contact (NO or NC).

- Connect the reset contact to AL2 and – terminals.

WIRING DIAGRAMS



TURNING ON / TURNING OFF

TURNING ON

- Connect the external (10 Vdc – 30 Vdc) power supply to + and — terminals.
  Helpy Compact-Q lights up and the device status LED starts flashing.

TURNING OFF

- Disconnect the external (10 Vdc – 30 Vdc) power supply from + and —terminals.
- Keep the reset pushbutton pressed.
- When all the LEDs light up, also keep the built-in alarm pushbutton pressed.
  All LEDs turn off.

MINIMUM OPERATIONS TO VERIFY PROPER INSTALLATION

1. **PROGRAMMING**
   - Access to programming: lift the local telephone handset and dial *0#
     The programming activated message will be heard.
   - Program a telephone number for the emergency-call alarm: dial 210112 <telephone number># .
   - Record the identification message of the specific elevator, which is meant to contain all necessary information concerning the elevator location: dial 7101 and, after the “Correct” message, pronounce the message and hang up.
   - To listen again to the previous message: lift the handset and dial 7201.
   - Make an external call to check the PSTN line or the universal gateway is properly working: dial 0 and digit the telephone number to make a test call.
2. **TESTING THE ALARM PROCEDURE**
   - Press the emergency call button for more than 3 seconds (factory value).
     The alarm starts.
3. **ANSWERING THE ALARM**

   Note: the activation mode of the communication with the trapped person can be configured with the “Two-way communication mode during an alarm” programming (code 78).

   - -1st mode: automatic two-way communication established after messages (factory default)
     - Answer by the called party.
       The two-way communication mode will be activated after the voice messages.
     - Speak with the trapped person.
   - -2nd mode: two-way communication established after input of “Communication activation” code
     - Answer by the called party.
       The voice messages will be heard.
     - Press 0 to speak with the trapped person.
   - -3nd mode: immediate and automatic two-way communication (no messages)
     - Answer by the called party.
     - Speak with the trapped person.
4. **RESETTING THE ALARM**

   Note: the alarm reset mode can be configured with the “Alarm reset mode” programming (code 77).

   - -1st mode: reset by “End” code (factory default)
     - Press 9 to end the alarm.
   - -2nd mode: automatic reset
     - Hang up (or press 9) to end the alarm.
   - -3nd mode: automatic reset with local acknowledgement

- Hang up to end the call.
- Press the reset pushbutton or close the reset input to end the alarm.
  An end-of-alarm call will be generated.
- Answer by the called party.
- Press 9.
  Without local acknowledgement the alarm is automatically ended after 6 hours.
  Note: the reset input can be configured with the “Inputs setting” programming (codes 390 or 55).
  Note: in case it should not be possible to stop the alarm procedure remotely (i.e. the entered telephone number is incorrect) simply lift the handset of the local telephone and dial * <Password> # (by factory default: *0#) or press the reset pushbutton.

USING THE RESET BUTTON

Note: the reset operation does not alter the previously set parameters.

Use of the reset pushbutton (C in the picture at page 2):

- Pressing shortly
  Allows to interrupt an alarm call.
  By pressing shortly you get the same result as lifting the handset of the local telephone and entering * <Password> #.
- Pressing longer (10 seconds)
  Allows to reset the device.
  By pressing longer, the Helpy Compact-Q will be re-started with no need to disconnect the power supply.
  Note: it is also possible to reset the device through the code 995*0#.

PROGRAMMING

In the tables below:

- INST indicates that the programming is allowed for the installer
- OPER indicates that the programming is allowed by the maintenance technician
- factory default values are highlighted in bold

Basic programming

<table>
<tr><th colspan="6">BASIC PROGRAMMING</th></tr>
<tr><td>ACCESS TO PROGRAMMING</td><td colspan="5">[*] < INSTALLER or OPERATOR PASSWORD > [#]
(factory default: [*] [0] [#])</td></tr>
<tr><td>EXITING THE PROGRAMMING</td><td colspan="5">[*] < INSTALLER or OPERATOR PASSWORD > [#]
(factory default: [*] [0] [#])</td></tr>
<tr><td rowspan="11">TELEPHONE NUMBERS (INST)

* the programming of the telephone number automatically activates the alarm/call</td><td rowspan="11">[2] [1]</td><td rowspan="11">[X] [X]
(position from 01 to 24)</td><td>SOURCE</td><td>RECEIVER</td><td rowspan="11">[X] ... [X] [#]
(X..X = telephone number, max. 20 digits;
* = 2 sec-pause)</td></tr>
<tr><td>[1] emergency-call button</td><td>–</td></tr>
<tr><td>[2] battery alarms *</td><td>[2] USER</td></tr>
<tr><td>[3] periodic automatic test call *</td><td>[3] ESSE-TI</td></tr>
<tr><td>–</td><td>[4] CLI</td></tr>
<tr><td>–</td><td>[5] SMS (only with 4G.VoLTE)</td></tr>
<tr><td>[6] built-in speaker unit diagnostic alarm *</td><td>[6] P100</td></tr>
<tr><td>[7] no external power supply alarm</td><td>–</td></tr>
<tr><td>[8] auxiliary alarm</td><td>–</td></tr>
<tr><td>[9] end of alarm</td><td>–</td></tr>
</table>

BASIC PROGRAMMING				
DELETE A TELEPHONE NUMBER (INST)	2 1	X X (position from 01 to 24)	#	
DATE * (INST) * to be reprogrammed in case of turn off	3 6	WEEKDAY 0 SUNDAY 1 MONDAY 2 TUESDAY 3 WEDNESDAY 4 THURSDAY 5 FRIDAY 6 SATURDAY	X X X X X X (dd) (mm) (yy)	
TIME * (INST)	3 5	X X X X (hhmm from 0000 to 2359)		
RECORD MESSAGES (INST)	7 1	0 1 identification message (max. 25s) 0 2 courtesy message (max. 25 s)	(record)	(hang up)
LISTEN TO MESSAGES (INST/OPER)	7 2	0 1 identification message 0 2 courtesy message	(listen)	
TYPE OF POWER SUPPLY (INST)	9 0 0 3 9	0 generic power supply and built-in battery not present 1 generic power supply and built-in battery present 2 **ST-Power supply and built-in battery present**		
LOW BATTERY ALARM (INST)	5 2	0 **disabled alarm** 1 enabled alarm		

BASIC PROGRAMMING				
BATTERY ALARM THRESHOLD (INST)	9 0 0 3 8	X...X (mV, from 1 to5 digits; factory default **7650** if built-in battery present; factory default **11500** if built-in battery not present, measurement on + and - terminals)		[#]
REPLACE BATTERY ALARM (INST)	5 6	0 **disabled alarm**		
		1 enabled alarm		
RECOGNITION OF FALTCOM GATEWAY LOW BATTERY TONE (INST)	9 0 0 5 2	0 disabled		
		1 **enabled**		
	Set the telephone number for notification: **201 XX 11 Y <telephone number> #** where XX= position (from 01 to 24) Y= notification mode (2= user, 3= Esse-ti, 4= CLI, 5= SMS only with 4G.VoLTE, 6= P100)			
AUTOMATIC TEST DATA (INST)	Type of frequency	9 0 0 3 1	0 **daily**	
			1 hourly	
	Frequency	3 1	X (days, from 1 to 9; factory default **1**)	
			X X (hours, from 1 to 9; factory default **24**)	
	Time	3 2	X X X X (hhmm from 0000 to 2359 factory default **0400**)	
	Automatic test alarm	3 4	0 **automatic test disabled**	
			1 automatic test enabled (EN 81-28:2018)	
			3 automatic test enabled (EN 81-28:2004)	
	Make a test call manually		3 4 2	
PROTOCOLS IDENTIFICATION CODE (INST)	2 2	2 Esse-ti	X...X (identification code)	[#]
		3 P100		

BASIC PROGRAMMING				
SPEAKER UNITS VOLUME (INST/OPER)	8 0 0 1	X loudspeaker (from 1 to 9; factory default **3**)	X microphone (from 1 to 9; factory default **5**)	[#]
MESSAGES VOLUME (INST/OPER)	8 1	X (from 1 to 4; factory default **2**; 4=loudspeaker volume, 3=¾ of loudspeaker volume, 2=½ of loudspeaker volume, 1=¼ of loudspeaker volume)		
LISTEN TO THE PROGRAMMING AGAIN (INST)	X...X (programming code prefix) *			
RESTORE FACTORY SETTINGS (INST)	9 9 * 0 #			

Advanced programming

ADVANCED PROGRAMMING				
CHANGE THE INSTALLER PASSWORD "0" (INST)	9 1	X..X [*] (old)	X..X [*] (new)	X..X [*] (new)
CHANGE THE OPERATOR PASSWORD "1" (INST)	9 2	X..X [*] (old)	X..X [*] (new)	X..X [*] (new)
INPUTS NORMALLY OPEN/CLOSED (INST)	4 1	X input (1=AL1* 2=AL2 3=IN1)	X type (0=normally closed **1=normally open**)	#
		* when the built-in pushbutton is present, AL1 can only be normally open		
INPUTS PRESET * (INST) * for the complete configuration of the inputs, please refer to the Expert Programming Guide	5 5	0 AL2=alarm input / IN1=filter input		
		1 AL2=auxiliary input / IN1=filter input		
		2 AL2=alarm input / IN1=gong input		
		3 AL2=auxiliary input / IN1=gong input		
		4 **AL2=reset input / IN1=filter input**		
		5 AL2=reset input / IN1=gong input		
		6 AL2=reset input / IN1=alarm input		
		7 AL2=reset input / IN1=auxiliary input		
		8 AL2=alarm input / IN1=alarm input		
		in listening mode the value 9 indicates inputs set with the code 390		

<table>
<tr><th colspan="4">ADVANCED PROGRAMMING</th></tr>
<tr><td>EXAMPLE OF INPUT CONFIGURATION (INST)</td><td colspan="3">Configuration:
AL2= technician on site input
IN1= out of service input

Codes to enter to:
- configure AL2 input as bistable input: 390207
- configure IN1 input as bistable input: 390307
- set the telephone number for technician on site notification:
201 13 15 X <telephone number> #
- set the telephone number for the technician's departure notification:
201 14 16 X <telephone number> #
- set the telephone number for out of service notification:
201 15 17 X <telephone number> #
- set the telephone number for lift in service notification:
201 16 18 X <telephone number> #
where X= receiver (notification mode):
2= user
3= Esse-ti
4= CLI
6= P100
- if receiver 3, set the Esse-ti protocol ID:
222 YYYYYYYYY
- if receiver 6, set the P100 protocol ID:
223 ZZZZZZZZZ
- if receiver 6, customize the P100 protocol codes using the e-stant software (programming code 203)

Note: AL2 and IN1 are automatically configured as normally closed; if the connected contacts are normally open:
- configure AL2 input as normally open: 4121#
- configure IN1 input as normally open: 4131#</td></tr>
<tr><td>EMERGENCY CALL BUTTONS DELAY (INST)</td><td>4 2</td><td colspan="2">X (seconds, from 2 to 9; factory default 3)</td></tr>
<tr><td>PUSHBUTTON CONNECTION FAILURE NOTIFICATION (INST)</td><td>2 4 1</td><td>X type
(0=notification
1=emergency-call)</td><td>X frequency
(1=10 minutes
2=1 hour
3=1 day)</td></tr>
<tr><td rowspan="2">INSUFFICIENT BUTTON PRESSURE MESSAGE SETTING (INST)</td><td rowspan="2">9 0 0 4 1</td><td colspan="2">0 disabled message</td></tr>
<tr><td colspan="2">1 enabled message</td></tr>
</table>

ADVANCED PROGRAMMING			
BEEP ENABLING WHEN PUSHBUTTON IS PRESSED (INST)	[2][7][2]	[0] **beep disabled**	
		[1] beep enabled	
NO EXTERNAL POWER SUPPLY ALARM (INST)	[5][1]	[0][0] **disabled alarm**	
		[X][X] enabled alarm with XX minutes delay (from 01 to 99)	
THRESHOLD OF THE NO EXTERNAL POWER SUPPLY ALARM (INST)	[9][0][0][3][7]	[X]...[X] (mV on the + and - terminals, from 1 to 5 digits; factory default **13200** if ST-Power supply is present; factory default **9000** if ST-Power supply is not present)	[#]
BUILT-IN SPEAKER UNIT DIAGNOSTIC ALARM (INST)	[5][4]	[0] **disabled alarm**	
		[1] enabled alarm	
FILTER ACTIVATION (INST/OPER)	[5][3]	[0] **disabled**	
		[1] enabled	
FILTER BYPASS (INST/OPER)	[4][9]	[X][X] (seconds, from 15 to **30**; 99=no bypass)	
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	
REPEATS OF COURTESY MESSAGE DURING AN ALARM (INST)	[2][7][0]	[X][X] (seconds between two courtesy messages, from 02 to 59; 00=no courtesy message; **01=one courtesy message for each call**)	
CALL DELAY AFTER COURTESY MESSAGE (INST)	[9][0][0][2]	[X] (seconds of waiting after the courtesy message before sending the call, from 0 to 9; factory default **3**)	

ADVANCED PROGRAMMING			
PLAYBACK OF "COMMUNICATION ACTIVATED" MESSAGE WHEN THE SPEAKER UNIT IS ACTIVATED (INST)	271	0 never	
		1 **only in case of remote connection**	
		2 always	
TWO-WAY COMMUNICATION MODE DURING AN ALARM (INST)	78	0 two-way communication established after input of "Communication activation" code	
		1 **automatic two-way communication established after messages**	
		2 immediate and automatic two-way communication (no messages)	
ALARM RESET MODE (INST)	77	0 automatic reset	
		1 **alarm reset by "End alarm" code**	
		2 automatic reset with local acknowledgement	
"PLAY IDENTIFICATION MESSAGE" CODE (INST)	47	X...X (from 1 to 3 digits; factory default **5**)	[#]
"COMMUNICATION ACTIVATION" CODE (INST)	45	X...X (from 1 to 3 digits; factory default **0**)	[#]
"END ALARM" CODE (INST)	43	X...X (from 1 to 3 digits; factory default **9**)	[#]
"EXCLUSION" CODE (INST)	44	X...X (from 1 to 3 digits; factory default **1**)	[#]
RESTORE FACTORY MESSAGES (INST)	74	01 identification message	
		02 courtesy message	
LANGUAGE (INST) (available languages may vary depending on model or country of installation)	79	XX (language: 00 Italian, 01 English, 02 German, 03 French, 04 Polish, 05 Portuguese, 06 Russian, 07 Spanish, 09 Czech, 10 Croatian, 11 Greek, 13 Slovenian, 19 Chinese, 21 Flemish, 23 Swedish, 26 Slovak)	

ADVANCED PROGRAMMING				
MULTI-LANGUAGE COURTESY MESSAGE (INST)	8 9	X X (second language)	X X (third language)	[#]
TONE DECODER (INST) (default value may vary depending on model or country of installation)	6 8	X X (country: 00 IT/SM/AL/BA/GM/MK/MT/NO, 01 GB/AE, 02 DE/LB/LU, 03 FR/GP/GF, 04 PL, 05 PT, 06 RU/BY, 07 ES/AD/CY, 08 BG/BR/KY/ DK/ID/IR/IS/KW/MO/MW/MX/PY/UY/VE/YE/ZM/ FO/LR, 10 HR, 11 GR/EE/FI, 12 NL/AW/VU, 13 SI, 14 HU, 15 IL, 16 AT, 17 AU, 18 CH, 19 CN, 20 US/CA/JM/AI/AG/BB/BM/VG/DM/MS/ KN/TT/TC 21 BE, 22 QA, 23 SE, 24 IN, 25 TR, 26 CZ/SK/LT/MD, 27 TN/SA, 28 DZ, 29 MA, 30 RS, 31 RO, 32 JO, 33 JP, 34 PE, 35 PA, 36 AR, 37 CO, 38 IE)		
RECOGNITION OF CONTINUOUS TONE AS DISCONNECTION TONE (INST)	9 0 0 6 8	0 **no**		
		1 yes		
DURATION OF TWO-WAY COMMUNICA-TION DURING AN ALARM (INST)	4 6	X (minutes, from **2** to 9)		
NUMBER OF CALLS TO THE SAME NUMBER FOR EACH CYCLE (INST)	6 0	X (calls, from **1** to 9)		
CALL CYCLES FOR EMERGENCY CALL ALARMS (INST)	6 9	X (cycles, from 1 to 9; **0**=unlimited)		
CALL CYCLES FOR TECHNOLOGICAL ALARMS AND TEST CALLS (INST)	6 2	X (cycles, from 1 to 9; 0=10 cycles; factory default **3**)		
WAITING TIME BETWEEN EMERGENCY CALLS TO THE SAME NUMBER (INST)	5 7	X (from **0** to 9; 0=30 seconds, 1=60 seconds, 2=90 seconds, ..., 9=300 seconds)		

ADVANCED PROGRAMMING		
WAITING TIME BETWEEN TECHNOLOGICAL OR TEST CALLS TO THE SAME NUMBER (INST)	5 8	X X (minutes, from 01 to 99; 00=30 seconds, factory default **02**)
DURATION OF CALL TO EACH NUMBER (INST)	9 0 0 6 7	X X (seconds, from 15 to **60**)
CLI CALL DURATION (INST)	6 7	X (seconds, from 00 to 99; factory default **10**)
AUTOMATIC ANSWER (INST)	6 4	X (ring number, from 1 to 9; 0=disabled; factory default **2**)
OPERATION MODE AFTER AUTOMATIC ANSWER (INST)	7 6	0 **programming mode**
		1 direct connection with the car
CONNECTION DURATION AFTER AUTOMATIC RESPONSE (INST)	6 5	X (minutes, from **1** to 9)
DTMF GENERATOR (INST)	8 3	X (from 1 to 9; factory default **2**; DTMF duration=X·50 ms)
MULTI-LINK FUNCTION (INST)	8 6	X (from **0** to 9; 1=master, 0=function disabled)
LISTEN TO THE BATTERY LEVEL (INST)	3 8 * (expressed in mV)	
LISTEN TO THE EXTERNAL POWER SUPPLY LEVEL (INST)	3 7 * (expressed in mV)	

ADVANCED PROGRAMMING		
TEST OF ALARMS (INST)	90099	01 emergency-call button
		02 battery alarm
		03 periodic automatic test call
		06 built-in speaker unit diagnostic alarm
		07 no external power supply alarm
		08 auxiliary alarm
		09 end of alarm

Local programming via e-stant software

It is possible to program Helpy Compact-Q via computer by using the USB/serial proprietary cable and the dedicated e-stant software.
e-stant software also allows to:

- update the firmware of the Helpy Compact-Q
- customize the messages of the Helpy Compact-Q
- set a micro SD card to use for programming, customizing the messages and updating the firmware of the Helpy Compact-Q.

e-stant can be downloaded at the following link: **https://www.esse-ti.it/en/download/software-request**

Local programming via micro SD card

The micro SD card properly set allows to:

- program the Helpy Compact-Q
- update the firmware of the Helpy Compact-Q
- customize the messages of Helpy Compact-Q.

To use of the micro SD card see the relating instructions.

Remote programming

It is possible to program the Helpy Compact-Q remotely:

- via telephone (DTMF)
- using EPT protocol-compliant software (DTMF)

USE

Local use

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

LOCAL USE	
CONVERSATION WITH ALL SPEAKER UNITS	CONVERSATION
PROGRAMMING	* ... *
CONVERSATION WITH ALL SPEAKER UNITS	1 1 CONVERSATION 1 0 DEACTIVATE CONVERSATION
EXTERNAL CALLS	0 <TELEPHONE NUMBER>

Use remotely with Helpy Compact-Q at rest

- Call Helpy Compact-Q and wait for a response.
- Listen to the elevator identification message, if present.
- Dial 11 to speak with all speaker units.

  or

- Dial * <password># (factory default: * 0 #) to access programming.
- All of the programming and functions below can now be performed:

USE REMOTELY WITH HELPY COMPACT-Q AT REST	
PROGRAMMING	* ... *
CONVERSATION WITH ALL SPEAKER UNITS	1 1 CONVERSATION 1 0 DEACTIVATE CONVERSATION

SIGNALS

Device status LED

Normal operation (no alarm)

Alarm

Voice connection

Battery disconnected or low battery (max. 1-hour operation in idle state)

Absence of telephone line

Button failure

Given alarm indicator light (yellow)

Alarm

Received alarm indicator light (green)

Voice connection

Missed test call notification (EN 81-28:2018)

The Given alarm indicator light and the Received alarm indicator light flash in opposition to indicate the failure of the automatic test call.
The flashing sequence ends after the next successful test call or emergency call.

Given alarm indicator light

Received alarm indicator light

NOTES

EMERGENCY LEDS
Emergency lights switch on in the event of a power failure. The connection of the built-in battery is required.

REPLACING BATTERY

ATTENTION
Only use replacement batteries supplied by Esse-ti.

EU DECLARATION OF CONFORMITY

Hereby, Esse-ti S.r.l. declares that the equipment type Helpy Compact-Q is in compliance with Directives

2014/33/EU – 2014/30/EU – 2001/95/EC.
The full text of the EU declaration of conformity is available from the following Internet address:
https://www.esse-ti.it/en/dichiarazioni-di-conformita

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Documents / Resources

 Alarm system for elevators compliant with the European Standard EN 81-28:2018 HELPY COMPACT-Q WITH EMERGENCY LEDS QUICK GUIDE	**esse-ti Helpy Compact-Q With Emergency LEDS** [pdf] User Guide Helpy Compact-Q With Emergency LEDS, Helpy Compact-Q, With Emergency LEDS, Emergency LEDS, LEDS

References

- **Esse-ti - L'eccellenza del "Made in Italy" al servizio della comunicazione**
- **Declaration of Conformity - Esse-ti**
- **Manuals - Esse-ti**