

# SPECIFICATIONS



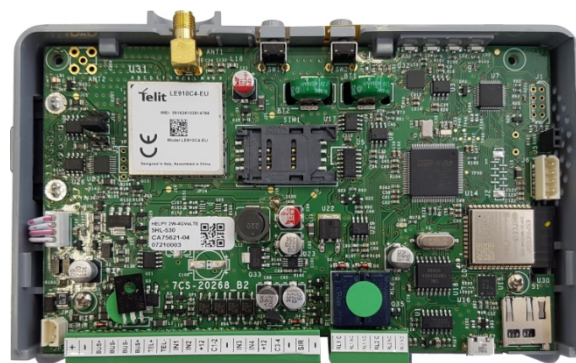
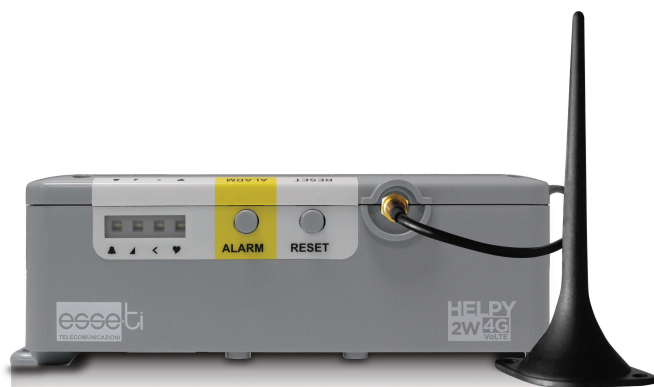
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## 5HL-530 HELPHY 2W-4G.VOLTE

### DESCRIPTION

Elevator alarm system designed for installation in the machine room

### IMAGE



### MAIN FEATURES

Emergency alarm call management and periodical test in compliance with EN 81-28:2018

Management of 24 programmable phone numbers to be freely associated with different alarm sources and called parties

Six call-forwarding modes: to a remote telephone or to a call center with manual-call management, to a call center with P100 or Esse-ti protocol, to a call center with CLI management, to a call center with SMS management, to e-stant web app

E-mail notifications via e-stant web

Multisharing function for simultaneous notification of the same emergency alarm to different receivers via SMS

Technological alarms: 2W speaker unit connection failure / low battery / replace battery / no external power supply / SIM card expiring alarm / 2W speaker unit diagnostic / auxiliary alarm / pushbutton connection failure / inputs activation / inputs deactivation / external power supply restore notification / battery charge restore notification / alarm start notification / end of alarm notification / timer

Test of every type of alarm (local or remote)

Missed test call notification in the car as per EN 81-28:2018 standard

Low battery signalling: via device status LED and power supply status LED

Event's log with timestamp on internal memory or on micro SD card

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Local programming modes: telephone (DTMF tones) / micro SD card / computer (via USB-serial cable and software *e-stant*) / web browser (Wi-Fi)

Remote programming modes: *e-stant web* application (by data) / telephone (DTMF tones) / computer (via HeGate modem and software *e-stant* +HeControl) / SMS (SMS generation via software *e-stant*)

Programmable handsfree connection mode

Programmable alarm reset mode

Telephone line presence check

Electronic management of speaker unit's volume

**Relay contacts NO/NC** function management (same behavior as output AI or AR / active for external power failure / door opener / active as long as the emergency alarm progresses / active as long as the buttons are pressed / active with no telephone line / active with low battery)

**Clock** management

SIM card **PIN** management

**Roaming** management

Data transmission (RS-232, RS-485, CAN-bus)

### POWER SUPPLY FEATURES

Power supply required: 16 W

Mains voltage: 230 V~ +5% -10%

Self-restorable fuse on power supply input

Power supply cable: 1,8 m with terminals

Built-in back up battery: NiMH 12 V 800 mAh

Expected operation time with a new battery in idle state: 6 hours

Expected operation time with a new battery in conversation: 3 hours

Internal voltages: +1,8 V , +3,3 V, +5 V, 14 V

12 Vdc power supply input

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### PROTOCOLS

Remote programming protocol: [proprietary](#)

Service center protocols: P100, [Esse-ti](#)

Other protocols upon request

### MOBILE NETWORK

Module: [LTE cat. 1](#) / [UMTS](#) / [GSM](#)

Frequencies: [LTE \(700/800/900/1800/2100/2600 MHz\)](#) / [UMTS \(900/2100 MHz\)](#) / [GSM \(900/1800 MHz\)](#)

[3G](#) / [2G fallback](#)

### VOICE MESSAGES

Pre-recorded languages: [8 \(Italian / English / German / French / Polish / Portuguese / Spanish / Russian\)](#)

Pre-recorded voice messages: [30 minutes, restorable](#)

Messages that support the programming

Alarm messages

Elevator identification message: [customizable \(max. 25 s\)](#)

Courtesy message for the car: [multi-language, customizable \(max. 25 s\)](#)

Messages customization: [via computer \(via USB-serial cable and software \*e-stant\*\) / via micro SD card](#)

### TELEPHONE TERMINATIONS

Local telephone connection: [terminal block](#)

2-wire bus for the connection of 2W speaker units: [terminal blocks](#)

Up to [16 2W speaker units connection](#) (4 with direct power supply from the bus and 12 with separate power supply)

Connection of a [passive speaker unit](#) to each 2W speaker unit

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## 5HL-530 HELPHY 2W-4G.VOLTE

### CONNECTIONS

Internal line – External telephone line

Internal line – Speaker unit

External telephone line – Speaker unit

### INPUTS / OUTPUTS

LED signalling alarm / periodical test call: **yellow**

LED signalling 4G LTE / UMTS / GSM signal strength: **green**

LED signalling device status: **red**

LED signalling power supply status: **blue**

Reset pushbutton: **built-in**

Alarm button: **built-in**

Customizable inputs (alarm / auxiliary / reset / filter / gong / counter / bistable input): **4 (opto-isolated, max. 30 Vdc)**

Siren inputs: **1**

Power supply outputs: **2 (12 Vdc max. 100 mA)**

Relay outputs: **2, programmable (1A 30V, max. 220 Vdc, max. 1A)**

Serial port for PC connection: **1**

Micro USB A/B port for PC connection: **1**

Female DB9 connector for data transmission (RS-232, RS-485, CAN-bus): **1**

Antenna connectors: **SMA/f**

Antenna: **magnetic base antenna with cable (2 m) and SMA/m connector**

Micro SD Card slot

SIM Card slot: **2FF**

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## 5HL-530 HELPHY 2W-4G.VOLTE

### SAFETY SYSTEMS

FLASH memory for data protection under power failure

Built-in battery for clock back-up: NiMH

Double watch-dog system

Automatic reboot under prolonged 4G LTE / UMTS / GSM signal absence

### FIRMWARE UPDATE AND PROGRAMMING PATTERN

Local: via computer (via USB-serial cable and software *e-stant*) / via micro SD card

Remote: OTA

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## 5HL-530 HELPY 2W-4G.VOLTE

### OTHERS FEATURES

Dimensions: 182 x 123 x 62 mm

Weight: 654 g

