

SPECIFICATIONS



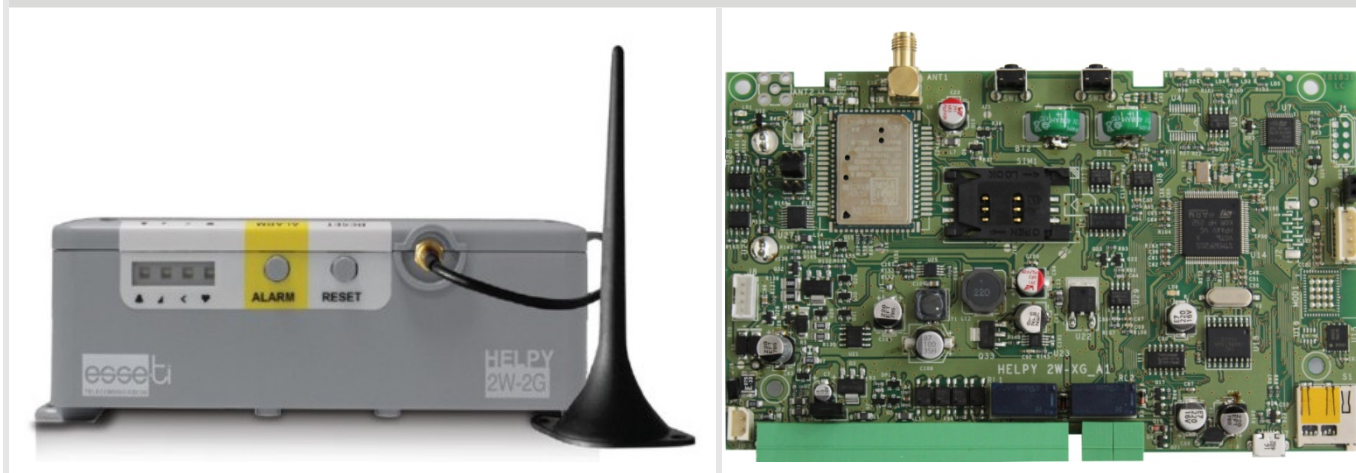
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5HL-500 HELPHY 2W-2G VOICE

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 / 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 \(via USB-serial cable and software *e-stant*\)](#)

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

[NO/NC relay contacts](#) 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

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: 10 hours

Expected operation time with a new battery in conversation: 4 hours

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

12 Vdc power supply input

PROTOCOLS

Remote programming protocol: [proprietary](#)

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

Other protocols upon request

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MOBILE NETWORK

Module: GSM/GPRS quad-band

Transmission power: 1 W at 1800/1900 MHz, 2 W at 850/900 MHz

Type of dialing over external line: DTMF

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)

A passive speaker unit can be connected to each 2W speaker unit

CONNECTIONS

Internal line – External telephone line

Internal line – Speaker unit

External telephone line – Speaker unit

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INPUTS / OUTPUTS

LED signalling alarm / periodical test call: yellow
LED signalling 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 (max. 250 Vac or 220 Vdc)
Serial port for PC connection: 1
Micro USB A/B port for PC connection: 1
Antenna connector: SMA/f
Antenna: magnetic base antenna with cable (2 m) and SMA/m connector
Micro SD Card slot
SIM Card slot: 2FF

SAFETY SYSTEMS

FLASH memory for data protection under power failure
Built-in battery for clock back-up: NiMH
Double watch-dog system
GSM reset

FIRMWARE UPDATE AND PROGRAMMING PATTERN

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

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OTHERS FEATURES

Dimensions: 182 x 123 x 62 mm

Weight: 654 g

