

# SPECIFICATIONS



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## 5HL-201 HELPHY 2W-TL

### DESCRIPTION

Elevator alarm system with built-in speaker unit designed for installation on elevator car-top

### IMAGE



### MAIN FEATURES

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

Management of 12 programmable phone numbers to be freely associated with different alarm sources and called parties

Five 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 (only with GSM200-C)

Multisharing function for simultaneous notification of the same emergency alarm to different receivers via SMS (only with GSM200-C)

Technological alarms: 2W speaker unit connection failure / low battery / replace battery / no mains power supply / SIM card expiring alarm (with GSM200-C) / diagnostic / auxiliary alarm

Test of every type of alarm (local, remote or via software *e-stant*)

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

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

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Remote programming modes: [telephone \(DTMF tones\)](#) / [computer \(via HeGate modem and software e-stant +HeControl\)](#) / [SMS \(only with GSM200-C; SMS generation via software e-stant\)](#)

Programmable handsfree connection mode

Programmable alarm reset mode

Telephone line presence check

Electronic management of speaker unit's volume

[Multi-link](#) function to connect up 9 alarm systems over one telephone line

[Relay contact](#) function management (same behavior as output AI or AR / active for mains 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 (with GSM200-C)

Serial connection to [elevator CPU](#) (RS-232)

### POWER SUPPLY FEATURES

Power supply required: 16 W

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

Self-restorable fuse on power supply input

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

Expected operation time with a new battery in idle state: 19 hours with PSTN line; 10 hours with GSM200-C

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

Expected operation time with a new battery in conversation with built-in speaker unit: 5 hours

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

### PROTOCOLS

Remote programming protocol: [proprietary](#)

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

Other protocols upon request

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### DATA TRANSMISSION AND SIGNALLING SYSTEM

Built-in Modem v.23 if connected to PSTN line: 300-1200 bps FSK

GSM Modem if connected to GSM200-C module: 9600 bps

Type of dialing over external line: DTMF

DTMF generator

External line tone recognition: 85 countries

### 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

Connection to public telephone network or universal GSM gateway: terminal block

Connection to GSM200-C module: plug RJ-45

Local telephone connection: plug RJ11 / terminal block

2W speaker unit: built-in

2-wire bus for the connection of 2W speaker units: terminal block

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

Auxiliary microphone inputs: 2

Auxiliary loudspeaker outputs: 1 (to connect max. 2 passive speaker units or loudspeakers)

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### 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 GSM signal strength (with GSM200-C): **green**

LED signalling device status: **red**

LED signalling power supply status: **blue**

Reset pushbutton: **built in**

Alarm button: **built in**

Alarm inputs: **1**

Customizable inputs (alarm / auxiliary / reset input): **1**

Filter inputs: **1** (programmable as reset input)

Relay outputs: **1**, programmable (max. 250 Vac or 220 Vdc)

Outputs (alarm given, alarm received): **2** (NPN / PNP)

Serial port for PC connection: **1**

Micro SD Card slot

### SAFETY SYSTEMS

**FLASH** memory for data protection under power failure

Built-in battery for clock back-up: **NiMH**

Double watch-dog system

### FIRMWARE UPDATE AND PROGRAMMING PATTERN

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

Remote: **OTA** (via GPRS, only with GSM200-C)

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## OTHERS FEATURES

Dimensions: 182 x 123 x 62 mm

Weight: 706 g