

SPECIFICATIONS



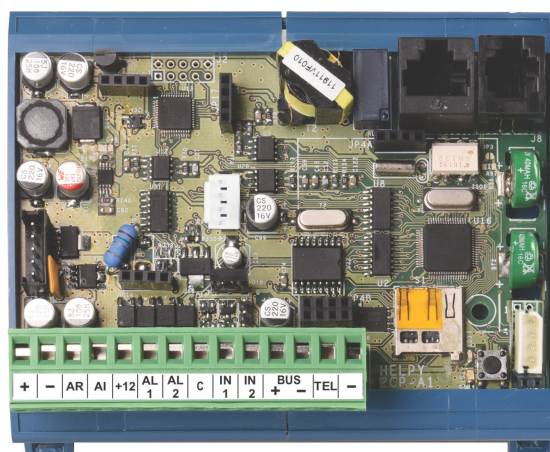
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5HL-300 HELPHY 2W-LCP

DESCRIPTION

Elevator alarm system specifically designed for installation on elevator controllers, ready for connection over the GSM line with GSM200-C gateway

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 (with Esse-ti power supply) / no mains power supply (with Esse-ti 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

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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*)

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 contacts 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

POWER SUPPLY FEATURES

Power supply: 12 VDC nominal, 11,5 VDC min., 14 VDC max.

Absorption in idle state: <55 mA over PSTN line; <100 mA with GSM200-C

Absorption alarm conversation mode: <160 mA over PSTN line; <240 mA with GSM200-C

Self-restorable fuse on power supply input

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

PROTOCOLS

Remote programming protocol: proprietary

Service center protocols: P100, Esse-ti

Other protocols upon request

DATA TRANSMISSION AND SIGNALLING SYSTEM

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

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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 over optional PSTN-line board

Connection to GSM200-C module: plug RJ-45

Local telephone connection: plug RJ11 / terminal block

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)

CONNECTIONS

Internal line – External telephone line

Internal line – Speaker unit

External telephone line – Speaker unit

INPUTS / OUTPUTS

Reset pushbutton

Alarm inputs: 1

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Customizable inputs (alarm / auxiliary / reset input): 1
Filter inputs: 1 (programmable as reset input)
Gong inputs: 1 (programmable as auxiliary input)
Relay outputs: 2, programmable (max. 250 Vac or 220 Vdc), over optional board
Outputs (alarm given, alarm received): 2
LED signalling device status: 1
LED signalling GSM200-C signal: 1
Esse-ti power supply input: 1
Serial port for PC connection: 1
Serial port for elevator CPU 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)

OTHERS FEATURES

Mounting: plastic DIN rail
Dimensions (with plastic rail): 112x90x50(h) mm
Dimensions with optional boards (with plastic rail): 112x90x56(h) mm
Weight: 148 g