

SPECIFICATIONS



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5HE-191 ST56 12V PSTN INTL

DESCRIPTION

Elevator alarm system ST56 ready for connection to the PSTN line

IMAGE



MAIN FEATURES

Emergency alarm call management and periodical test in compliance with EN81-28:2018

Management of 12 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, Ademco or Esse-ti protocol, to a call center with CLI management, to a call center with SMS management (only with GSM200 C)

Technological alarms: low battery / no power supply (only with AL100) / self-diagnostic / remaining SIM credit and expiring SIM credit (only with GSM200 C module), auxiliary

Multi-Sharing function (with GSM200 C): simultaneous notification of the same alarm to different receivers (call and SMS)

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

Low battery signalling via device status LED

Local programming modes: telephone (DTMF tones) / computer via USB-serial cable and software HeControl

Remote programming modes: telephone (DTMF tones) / computer via HeGate modem and software HeControl / SMS (with GSM 200-C)

Programmable handsfree connection mode

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Programmable alarm reset mode

Electronic management of speaker units' volume

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)

Data transmission with management of the elevator CPU connection for: **alarm sending elevator, speed voice messages in the cabin, elevator remote control.**

Clock management

Event's **log** with timestamp

POWER SUPPLY FEATURES

Power supply: 12 Vdc, 11,5 Vdc min., 14 Vdc max.

Idle state absorption (at 13,8 V): with PSTN line ≤ 50 mA; with GSM200 C ≤ 80 mA

Conversation absorption under alarm (at 13,8V): with PSTN line ≤ 120 mA; with GSM200 C ≤ 200 mA

Voltages: +3,3 Vdc, +5Vdc

Self-restorable fuse on electrical mains

DATA TRANSMISSION AND SIGNALLING SYSTEM

Built-in Modem v.23: 300-1200 bps FSK

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

Type of dialing over external line: DTMF

Tones generator: 659 Hz, 740 Hz

DTMF generator

Telephone line tones recognition: 16 countries

Handshake tone detector: 1400 Hz, 2300 Hz

Remote programming protocol: **proprietary**

Service center protocol: P100, Ademco Contact ID, Esse-ti

Other protocols upon request

Protected TTL serial line output

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VOICE MESSAGES

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

Pre-recorded voice messages: 17 minutes

Alarm messages

Elevator identification message: customizable (max. 22 s)

Courtesy message for the car: customizable (max. 22 s)

TELEPHONE TERMINATIONS

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

Connection to GSM200 C module: plug RJ45

Local telephone connection: plug RJ11/ terminal block

Connectable active speaker units:: 2

CONNECTIONS

Local telephone – External telephone line

Local telephone – Speaker unit

External telephone line – Speaker unit

INPUTS / OUTPUTS

Reset pushbutton: 1

Alarm inputs: 2

Auxiliary alarm input/gong: 1

Filter input: 1

Relay outputs: 2 (24V 1A) over add-on board 5HR-001, programmable

Outputs (alarm given, alarm received): 2

Signalling LEDs: 2

AL100 power supply input: 1

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SAFETY SYSTEMS

EEPROM memory for data protection under power failure

Built-in battery for clock back-up: NiMH

Double watch-dog system

OTHERS FEATURES

Mounting: plastic DIN rail

Dimensions (DIN rail included): 112x90x66 mm

Weight: 130 g