

Receiver LIM-RE410

Technical description

Characteristic

- working with up to 16 of LIM-TR401 transmitters
- network scan time every 1s
- 8 analog outputs (4 ÷ 20) mA
- interface RS485 MODBUS RTU
- ongoing analysis of the battery status and the transmitter signal level
- USB connection for configuration
- DIN rail assembly
- operating range up to 4 km
- housing: PA - UL 94 V0
- protection degree: IP40

Input

- working with up to 16 of LIM-TR401 transmitters
- 868 MHz of frequency
- power 0 - 27 dBm
- input / output impedance 50 Ω

Output

- 8 channels (4 ÷ 20) mA
- output load 360 Ω/12 V; 1 kΩ/24 V
- error signaling 3,1 or 20,4 mA
- sampling frequency 1s - 24h
- overvoltage and reverse polarity protection
- RS485 modbus RTV output with 1kV of galvanic insulation

Power

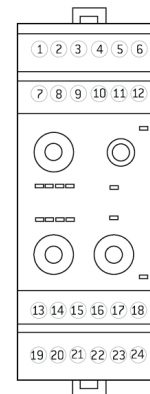
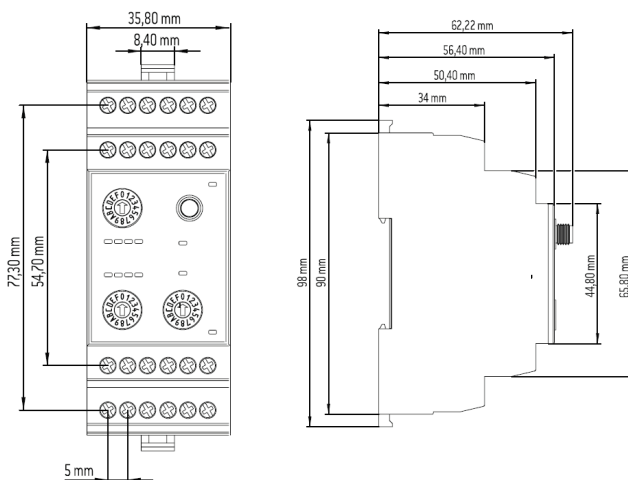
- (12 ÷ 24) V DC
- power consumption 70 mA/12 V; 45 mA/24 V

Working conditions

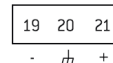
- working temperature: (-40 ÷ 80) °C
- humidity: ≤95% RH (no condensation)

Dimensions [mm] / Weight [g]

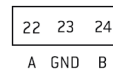
90x36x56 / 120 g



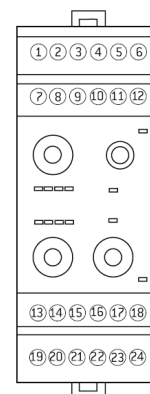
POWER



RS485



(12 ÷ 24) V DC



ANALOG OUTPUTS

- 4 - ANALOG OUTPUT INDEX 0
- 5 - ANALOG OUTPUT INDEX 1
- 6 - ANALOG OUTPUT INDEX 2
- 10 - ANALOG OUTPUT INDEX 3
- 11 - ANALOG OUTPUT INDEX 4
- 12 - ANALOG OUTPUT INDEX 5
- 16 - ANALOG OUTPUT INDEX 6
- 17 - ANALOG OUTPUT INDEX 7

1,2,3,7,8,13,14,15,18 - ANALOG GND

Ordering example:

LIM-RE410 Receiver