

SRT-L35

- ▣ temperature meter on TS35 strip
- ▣ input: Pt100, Pt500, Pt1000
- ▣ 2 relay outputs
- ▣ RS-485 / Modbus RTU

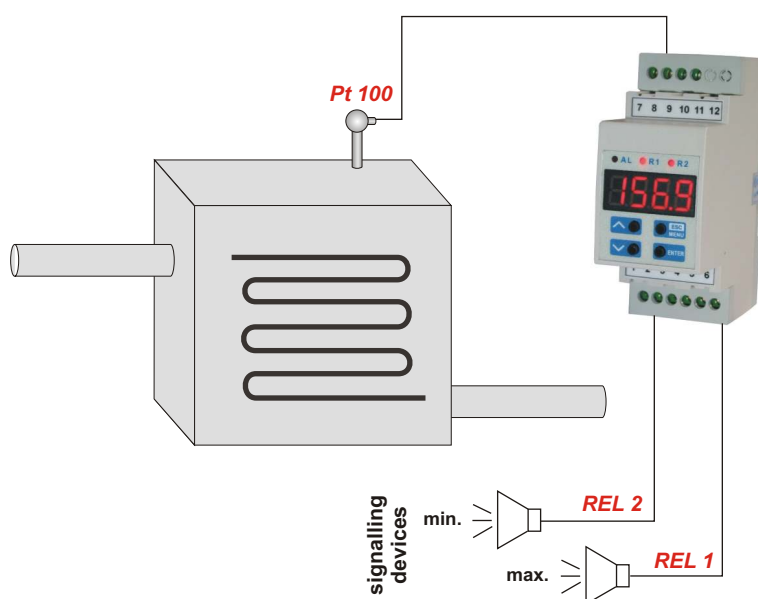
The **SRT-L35** temperature meter has a Pt100 (500, 1000) input with automatic recognition of 2, 3 and 4-conductor connection and features full linearization of characteristics. The RS-485 enables data transmission in production process monitoring systems. The nonlinear sensor characteristic is fully linearized. The power supply is realized by build-in pulse feeder, which gives the correct supply in range 15V ÷ 50V DC or 12V ÷ 35V AC.

- programmable hystereses and delays of relay outputs,
- programmable indication filtration,
- automatic recognition of 2, 3 and 4-conductor connection and sensor damage,
- alarm diode and acoustic signal in case of sensor damage,
- very wide range of voltage supplies.

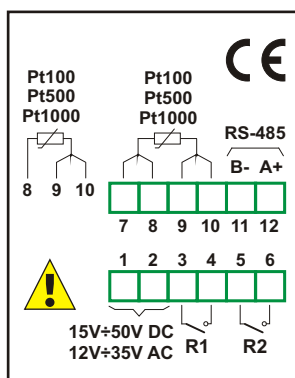


Typical applications

1. Temperature measuring in an oven with acoustic signalling when alarm states are overflow.



Exemplary pin assignment



Technical data

Power supply: 15V + 50V DC not separated; 12V + 35V AC, not separated
Power consumption: for 12V + 35V AC power supply: max. 2 VA; for 15V + 50V DC power supply: max. 2 W
Display: LED, red, 4x9 mm high
Input: temperature Pt100, Pt500, Pt1000, automatic recognition of 2, 3 and 4-conductor connection, not insulated from power supply
Measuring range: -100°C + 600°C
Accuracy: 0.1% @25°C
Stability: 50 ppm/°C
Resolution: 0,1°C
Resistance compensation of connecting conductors: from 0 to 20 Ω at any conductor
Outputs: 2 relays 1A/50V AC/DC (contact closure)
Communication interface (option): RS-485, 8N1 and 8N2, 2400 + 19200 bit/s, Modbus RTU (not galvanically insulated)
Operating temperature: 0°C + 50°C
Storage temperature: -10°C + 70°C
Protection class: IP 20
Assembly: on TS35 strip
Case material: NORYL - GFN2S E1
Case dimensions: 36 x 90 x 74 mm

Ordering

SRT-L35-1321-1-3-001