

SRT-73

- temperature meter in a small case
- input Pt100, Pt500, Pt1000
- 0, 1 or 2 relay outputs (or OC type)
- two-coloured display (standard version)
- power supply output: 24V DC
- RS-485 / Modbus RTU

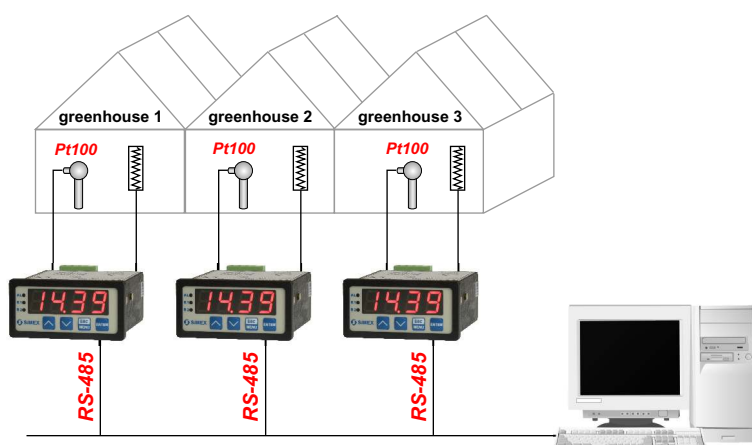


Easy programming and installation, small size and high reliability are basic advantages of the **SRT-73** temperature meters. 1 or 2 relay (or OC) outputs make it possible to control heating / cooling processes. The RS-485 enables data transmission in production process monitoring systems.

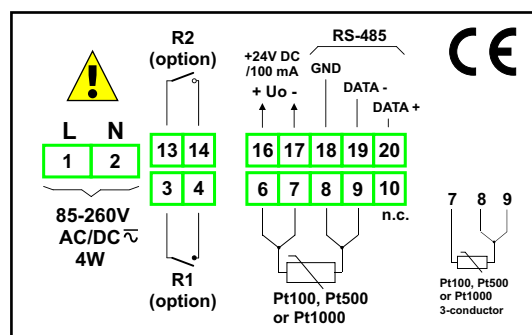
- programmable hystereses and delays of control outputs,
- password protected,
- programmable indication filtration,
- versions available with AC and DC power supply,
- automatic recognition of 3 and 4-conductor connection,
- alarm diode and acoustic signal in case of sensor damage.

Typical applications

- Temperature adjustment in greenhouses performed from the central computer via an RS-485 interface; process visualization possible.



Exemplary pin assignment



Technical data

Power supply: 19V + 50V DC; 16V + 35V AC or 85 + 260V AC/DC
Power consumption: for 85 + 260V AC/DC and 16V + 35V AC power supply: max. 4,5 VA; 19V + 50V DC power supply: max. 4,5 W
Display: LED, two-coloured (red-green), 4 x 13 mm (IP 40) - standard or LED, red, 5 x 9 mm (IP 65) - option
Input: temperature Pt100, Pt500, Pt1000, automatic recognition of 3 and 4-conductor connection
Measuring range: -100°C + 600°C
Accuracy: ±0,25% ± one digit in the entire operation range
Resolution: 0,1°C
Resistance compensation of connecting conductors: from 0 to 20 Ω at any conductor
Outputs: 0, 1 or 2 relays 1A/250V AC (cosφ=1) or OC 30mA/30VDC/100 mW
Transducer power supply output: 24V DC +5%, -10% / max. 100 mA, stabilized, not insulated from measuring inputs
Communication interface: RS-485, 8N1 and 8N2, 1200 bit/s + 115200 bit/s, Modbus RTU (not galvanically isolated)
Operating temperature: 0°C + +50°C
Storage temperature: -10°C + +70°C
Protection class: (depending on display size) IP 65 for 5 x 9 mm display (front side when an additional frame is installed); IP 40 for 4 x 13 mm display (front side); IP 20 (case and connection clips)
Case: board
Case material: NORYL - GFN2S E1
Case dimensions: 72 x 36 x 97 mm
Panel cut-out dimensions: 66,5 x 32,5 mm
Installation depth: min. 102 mm
Board thickness: max. 5 mm

Ordering

SRT-73-13XX-1-X-XX1

options:

00 : no options
 01 : IP 65

power supply:

3 : 24V AC/DC
 4 : 85V - 260V AC/DC

type of outputs:

0 : no output
 1 : REL
 2 : OC

number of outputs:

0
 1
 2