

SRT-N118

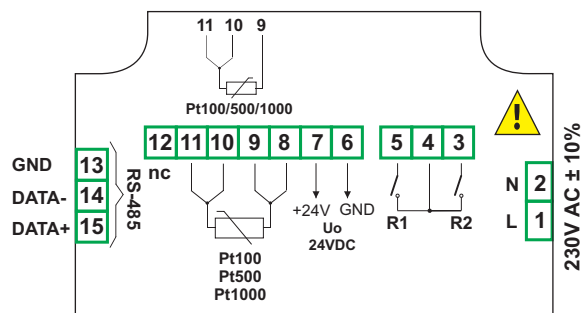
- temperature meter in wall-mounted case
- input: Pt100, Pt500, Pt1000
- 0 or 2 relay outputs (or OC)
- power supply output: 24V DC
- RS-485 / Modbus RTU



The **SRT-N118** temperature meter features easy operation, functional programming menu and a clear 4-decade, 20-millimetre LED display. Tight case with high protection class (IP 65) makes it an ideal choice for heavy-duty applications. 1 or 2 relay (or OC) outputs enable adjustment of the level of the measured signal. These outputs can be controlled according to one or two threshold values. The settings can be changed without opening the tight case, by an infrared remote control.

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

Exemplary pin assignment



Ordering

SRT-N118-13XX-1-X-XX-001

options:
08 : operating temp.
-20°C + +50°C

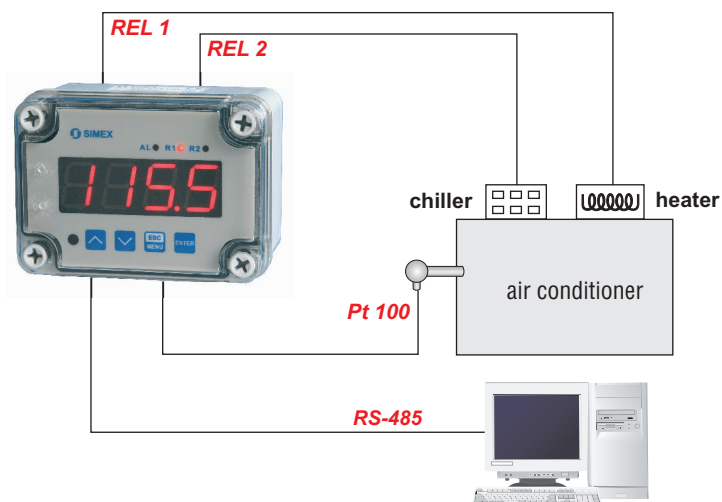
power supply:
1 : 24V DC
2 : 230V AC
8 : 110V AC

type of outputs:
0 : no output
1 : REL
2 : OC

number of outputs:
0
2

Typical applications

1. Temperature measurement in the air conditioner, featuring chiller and heater control in the circulating system.
2. Can be installed in any place where the control cabinets are not necessary and in high humidity / dustiness environments.



Technical data

Power supply: 110V AC ± 5%, 230V AC ± 10% or 24V DC (non separated)
Power consumption: for 110V AC and 230V AC: max. 2,6 VA; for 24V DC: max. 4,5 W
Display: LED, red, 4 x 20 mm high
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, 2 relays 1A/250V AC (cosφ=1) or the OC 30mA/30VDC/100mW
Transducer power supply output: 24V DC, non-stabilized, not insulated from measuring inputs; for 230V AC ± 3V: max. 25 mA; for 24V DC ± 10%: max. 100 mA
Communication interface: RS-485, 8N1 and 8N2, 1200 bit/s + 115200 bit/s, Modbus RTU (not galvanically isolated)
Operating temperature: 0°C + +50°C (standard), -20°C + +50°C (option)
Storage temperature: -10°C + +70°C
Protection class: IP 65
Case: wall-mounted
Case material: ABS + glass fibre
Case dimensions: without glands: 110 x 80 x 67 mm; with glands: 110 x 105 x 67 mm

Accessories



IR programmer
SIR-15