

## SRP-N118

- process meter in wall-mounted IP 65 case
- input: 0/4-20 mA, 0/1-5V, 0/2-10V
- 0 or 2 relay (or OC) outputs
- isolated current output (option)
- power supply output: 24V DC
- RS-485 / Modbus RTU
- signal peak value detection

The **SRP-N118** process meter features easy operation, functional programming menu and a clear 4-digit, 20 mm high LED display. Tight case with high protection class (IP 65) makes it an ideal choice for heavy-duty applications. The current input has a protection safeguarding the measuring resistor against damage. The device operates in the following modes: linear, root, square and user defined (max. 20 points). The relay (or OC) 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.



IR remote controller SIR-15



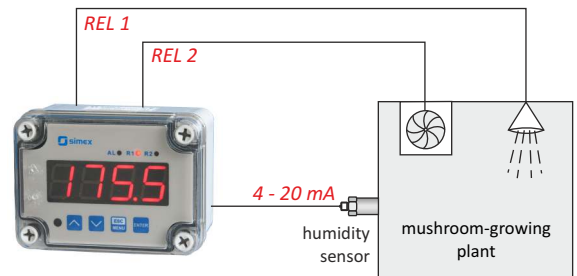
Remote controller is not a part of the device and is available on request as optional accessory.

### TECHNICAL DATA

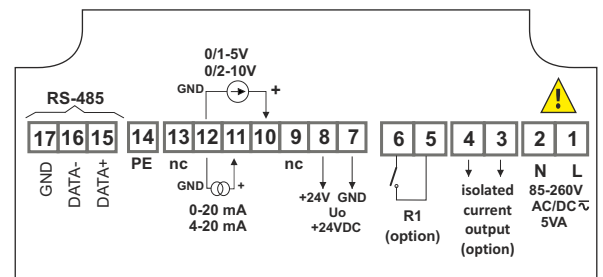
Power supply / Power consumption	19V ÷ 50V DC; 16V ÷ 35V AC or 85 ÷ 260V AC/DC, all separated; for 85 ÷ 260V AC/DC and 16V ÷ 35V AC power supply: max. 5 VA; for 19V ÷ 50V DC power supply: max. 5 W
Display	LED, 4 x 20 mm high, red (green - on request), brightness adjustable in 8 steps
Displayed values	-999 ÷ 9999 + decimal point
Input	current: 0-20 mA or 4-20 mA, programmable, input resistance < 65 Ω (typ. 55 Ω), overload-protected, input current limited to 40 mA; voltage: 0-5 V, 1-5V, 0-10V or 2-10V, programmable, input resistance > 50 kΩ
Accuracy	0.1% @25°C ± one digit
Stability	50 ppm/°C
Outputs (option)	0 or 2 x REL I <sub>max</sub> =1A, U <sub>max</sub> =30VDC/250VAC (cosφ=1) or OC I <sub>max</sub> =30mA, U <sub>max</sub> =30VDC, P <sub>max</sub> =100mW
Passive current output (option)	0 or 1, isolated, operating range max. 2.8 ÷ 24 mA, resolution 12 bits (available with 1 relay or OC output, see ordering)
Power supply output	24V DC +5%, -10% / max. 100 mA, stabilized
Communication interface	RS-485, 8N1 and 8N2, 1200 bit/s ÷ 115200 bit/s, Modbus RTU (not galvanically isolated)
Operating temp.	0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)
Storage temp.	-10°C ÷ +70°C (standard), -20°C ÷ +70°C (depending on option)
Protection class	IP 65
Case	wall-mounted; material: ABS + fibreglass
Dimensions (WxHxD)	without glands: 110 x 80 x 67 mm; with glands: 110 x 105 x 67 mm
Weight	max. 350 g

### TYPICAL APPLICATIONS

1. Air humidity adjustment in the mushroom-growing plant.
2. Local indications in the measuring location.
3. Installation in difficult environment: high humidity, dust, etc.



### EXAMPLARY PIN ASSIGNMENT



version with relay and current output

### ORDERING

SRP-N118-18XX-1-X-XX1

**number of outputs:**

- 0
- 2

**type of outputs:**

- 0 : no output
- 1 : 2 x REL
- 2 : 2 x OC
- 9 : 1 x REL + 1 x current output
- A : 1 x OC + 1 x current output

**options:**

- 00 : no options
- 08 : operating temp. -20°C ÷ +50°C

**power supply:**

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

### ACCESSORIES



IR remote controller SIR-15