

SRP-73

SIMACT II

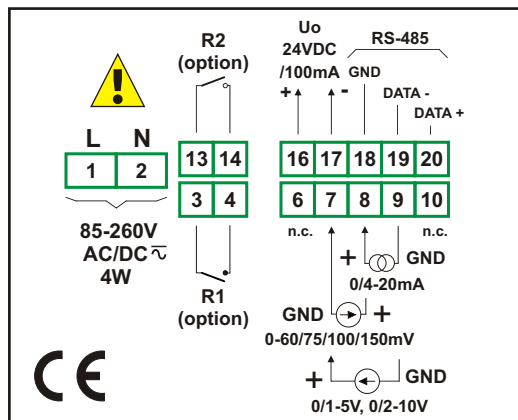
- process meter in a small case
- input 0/4-20 mA, 0/1-5V, 0/2-10V, 0-60 mV, 0-75 mV, 0-100 mV, 0-150 mV
- 0, 1 or 2 relay outputs (or OC type)
- power supply output: 24V DC
- RS-485 / Modbus RTU



Easy programming and installation, small size and high reliability are basic advantages of the **SRP-73** process meters. 1 or 2 relay outputs (or OC) make it possible to control processes ON/OFF type. The additional advantage is possibility of programming following modes: linear, root, square and user defined (max. 20 points). The additional 24VDC output is used to power the measuring transducers and the RS-485 enables data transmission in production process monitoring systems.

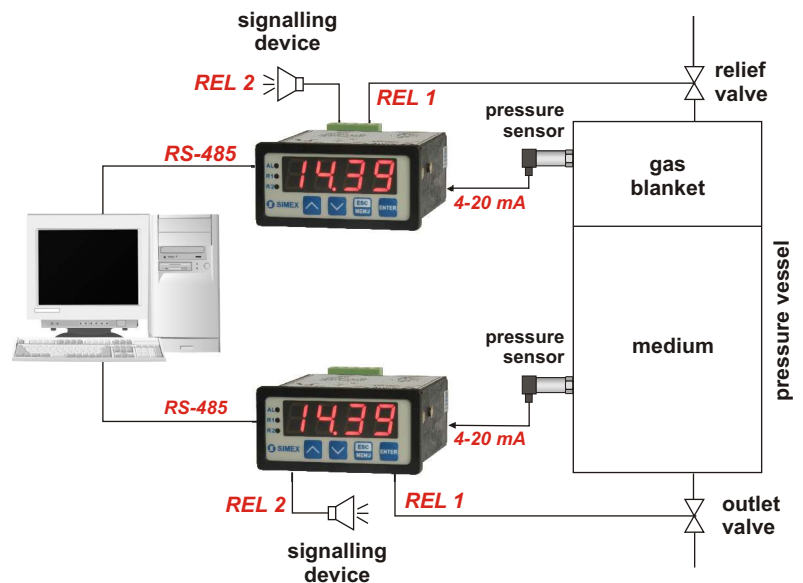
- two-coloured display for IP40 version,
- programmable input kind and measuring range,
- overload-protected current input,
- programmable indication filtration,
- programmable hystereses and delays of control outputs.

Exemplary pin assignment



Typical applications

- Measuring and control in a closed tank according to set parameters, with acoustic alarm signalling, data transfer to the master system via an RS-485 interface.



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: 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; millivoltage 0-60 mV, 0-75 mV, 0-100 mV, 0-150 mV; programmable; input resistance > 100 kΩ

Accepted prolonged input overload: 20%

Displayed values range: -999 ÷ 9999 + decimal point

Accuracy: ± 0,25% ± one digit in the entire operation range

Outputs: 0, 1 or 2 relays 1A/250V AC (cosφ=1) or the OC 30mA/30VDC/100mW

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 from measuring inputs)

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

SRP-73-1XXX-1-X-XX1

options:

00 : no options

01 : IP 65

power supply:

3 : 24V AC/DC

4 : 85V - 260V AC/DC

type of input:

8 : 0-20mA, 4-20mA, 0/1-5V, 0/2-10V
C : 0-60/75/100/150mV

type of outputs:

0 : no output

1 : REL

2 : OC

number of outputs:

0

1

2