BD SIMEX
a division of BD|SENSORS

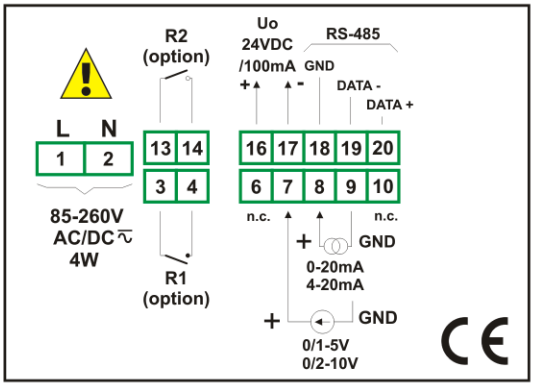
PAC-73S

- **process meter in a small case**
- **input 0/4...20 mA, 0/1...5V, 0/2...10V**
- **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 PAC-73S 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.

Examplary pin assignment



Ordering

PAC-73S-18XX-1-X-XX5-N1

options:
00 : no options
01 : IP 65

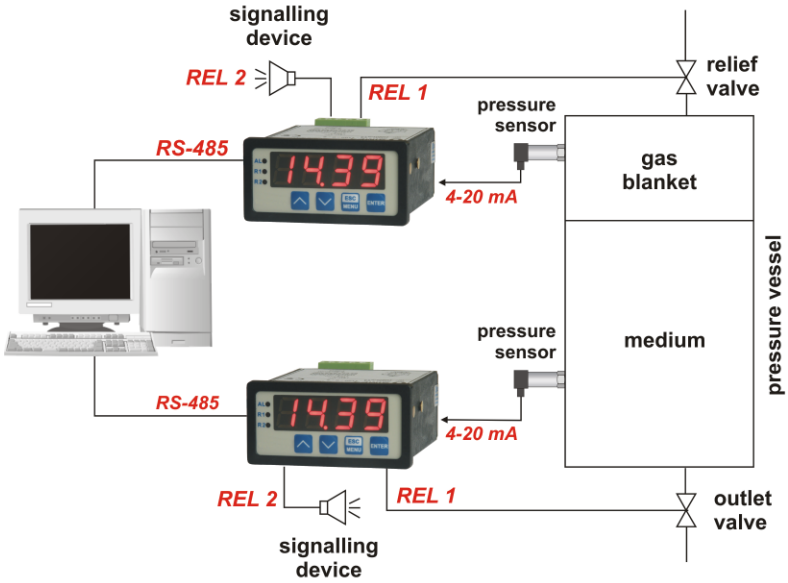
power supply:
3 : 24V AC/DC
4 : 85...260V AC/DC

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

number of outputs:
0
1
2

Typical applications

1. 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: 19...50V DC; 16...35V AC or 85...260V AC/DC
Power consumption: for 85...260V AC/DC and 16...35V AC power supply: max. 4,5 VA; 19...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
Displayed values range: -999...9999 + decimal point
Accuracy (25 °C): ± 0,1 % FSO
Tolerance band (0...50°C): max. 0,25 % FSO
Outputs: 0, 1 or 2 relays 1A/250V AC ($\cos\varphi$=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...50°C
Storage temperature: -10...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
Board thickness: max. 5 mm

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