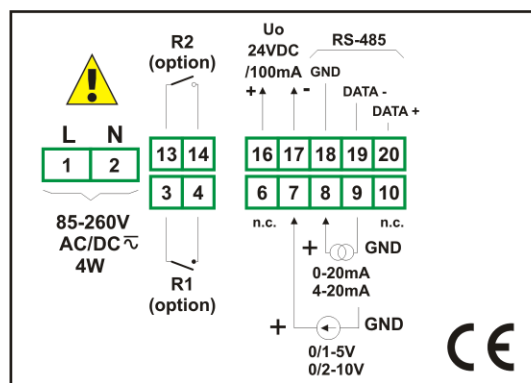**BD|SIMEX**
a division of **BD|SENSORS**

PAC-77S

- **process meter with 2 displays**
- **input 0/4... mA, 0/1...5V, 0/2...10V**
- **0, 1 or 2 relay outputs (or OC type)**
- **power supply output: 24V DC**
- **RS-485 / Modbus RTU**

CE

The main advantages of regulator PAC-77S are two rows of display. The first one presents measuring value, second one - programmed values: max. and min. 1 or 2 relay (or OC) outputs make it possible to control processes ON/OFF type. Current input has protection safeguarding of the measuring resistor against damage. The device is dedicated to aplications, where there is necessity of continuous control of the threshold values. The RS-485 enables data transmission in production process monitoring systems.

- programmable measuring range,
- programmable hystereses and delays of control outputs,
- password protected,
- programmable indication filtration,
- overload-protected current input,
- versions available with AC and DC power supply.

Examplary pin assignment

Ordering

PAC-77S-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:
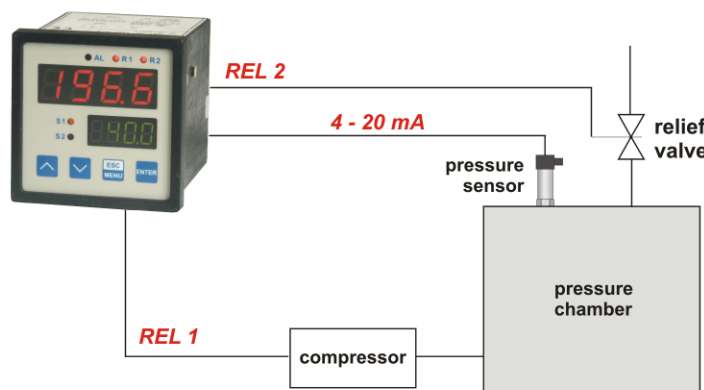**0** : no output
1 : REL
2 : OC

number of outputs:
0
1
2

Typical applications

1. Measuring of pressure in a chamber with operating of the compressor according to set parameters and operating of relief valve, easy control of a threshold value.

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, double 4 x 13 mm (red) and 4 x 10 mm (green)
Input: current 0...20 mA or 4...nput current limited to 40 mA; voltage 0...5 V, 1...V, 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 (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...50°C
Storage temperature: -10...70°C
Protection class: IP 65 (front side when an additional frame is installed); IP 40 (front side); IP 20 (case and connection clips)
Case: board
Case material: NORYL - GFN2S E1
Case dimensions: 72 x 72 x 100 mm
Panel cut-out dimensions: 66,5 x 66,5 mm
Installation depth: min. 102 mm
Board thickness: max. 5 mm

V.01.2010