

SPP-94

SIMFACT II

- flow meter
- input 0/4-20 mA
- 2 or 4 relay outputs (or OC)
- RS-485 / Modbus RTU
- option: active current output

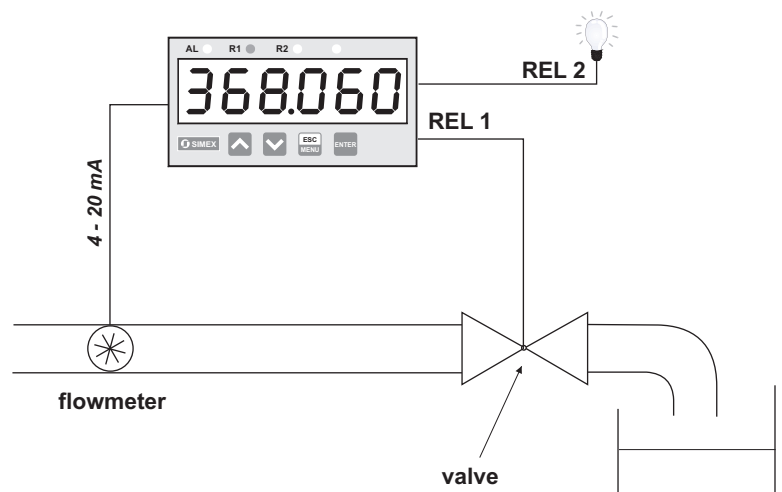


SPP-94 are the flow meters designed to work in tandem with the pulse flow transducers with current input of 0-20 mA or 4-20 mA. Wide balance range (up to 13 significant digits) enables flow volume control for a long time. The counters have 2 or 4 relay or OC outputs, depending on the actual instantaneous value of the flow or balance (only R1 output).

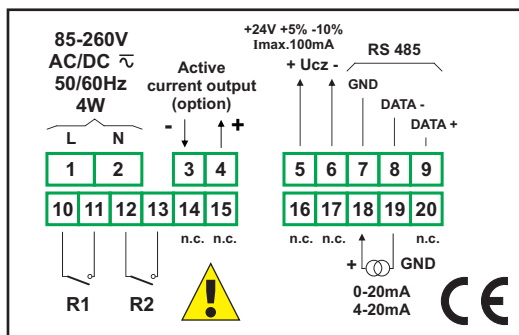
- display of instantaneous value and the balance,
- setting the volume units and the flow time,
- settable delay time of relays: up to 99 seconds or minutes,
- programmable decimal point position,
- threshold hysteresis setting,
- ACCESS option - easy threshold modification,
- versions available with AC and DC power supply.

Typical applications

1. Filling a tank with the flow rate measurement and alarm signalling.



Exemplary pin assignment



version with 4-20 mA output and two relays

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, red, 6 x 13 mm high
Input: current 0-20 mA or 4-20 mA, programmable, overload-protected, input current limited to about 40 mA
Resistance of measuring input: 50
Balance counter capacity: over $4 \times 10^9 \text{ m}^3$ with max. resistance 0,001 l
Measuring range: 0 + 999999 + decimal point
Outputs: 2 or 4; relays 1A/250V AC ($\cos \phi = 1$) or the OC 30mA/30VDC/ /100mW
Transducer power supply output: 24V DC +5% -10% / max. 100 mA, stabilized, not insulated from measuring inputs
Active current output: operating range max. 0 - 24 mA (option available with 2 relays, see ordering)
Communication interface: RS 485, 8N1, 2400 bit/s + 115200 bit/s, Modbus RTU (not galvanically isolated)
Data memory: non-volatile memory, EEPROM type
Operating temperature: 0°C + +50°C
Storage temperature: -10°C + +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: 96 x 48 x 100 mm
Panel cut-out dimensions: 90,5 x 43 mm
Installation depth: min. 102 mm
Board thickness: max. 5 mm

Ordering

SPP-94-11XX-1-X-XX1

options:

- 00 : no options
- 01 : IP65

power supply:

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

number of outputs:

- 2
- 3
- 4

type of outputs:

- 1 : REL (for 2 and 4 outputs)
- 2 : OC (for 2 and 4 outputs)
- 3 : 2 x REL + current output
- 4 : 2 x OC + current output