

SLB-94

SIMFACT II

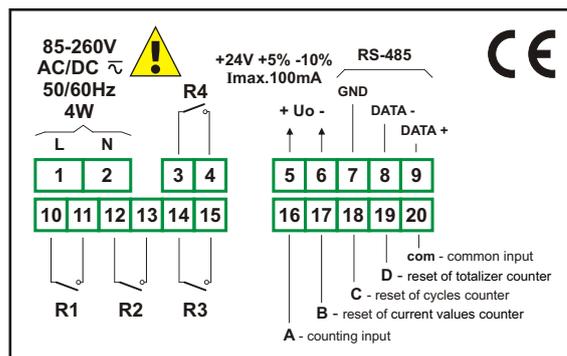
- ▣ universal totalizer
- ▣ internal cycles counter
- ▣ 3 independent reset inputs
- ▣ 4 relay (or OC) outputs
- ▣ RS-485 / Modbus RTU



Counter **SLB-94** makes possible counting in three separate, internal registers, defined as a current value, number of cycles and balance (total quantity). Counter is equipped with 4 relay (or OC) outputs with independently defined switch-on alutation setpoints, which can be used for controlling of external devices. Output number 1 is assigned to current value register; output number 2 is assigned to register of counting cycles, outputs 3 and 4 have independent power supply source. Counter **SLB-94** is equipped with one counting input and three independent reset inputs, assigned to registers of current values, cycles and balance respectively.

- readable, high brightness, 6-digit display,
- 3 separate internal counters,
- digital, anti-disturbance filter,
- programmable multiplier, divider and offset coefficient (4 profiles),
- programmable decimal point position,
- ACCESS option - easy threshold modification,
- available with AC and DC power supply versions.

Exemplary pin assignment



Ordering

SLB-94-144X-1-X-XX1

options:

- 00 : no options
- 01 : IP 65

power supply:

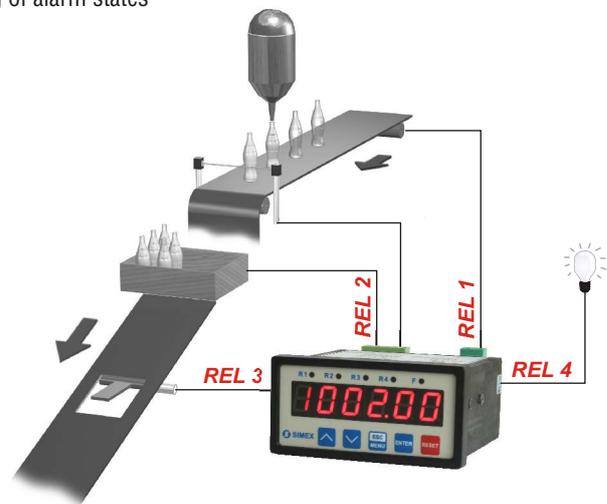
- 3 : 24V AC/DC
- 4 : 85V - 260V AC/DC

type of outputs:

- 1 : REL
- 2 : OC

Typical applications

1. Counting of pulses which representing defined physical quantity
2. Counting of production cycles
3. Production totalization with power transmission system control of production line
4. Signalling of alarm states



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, 6 x 13 mm high, red (green - on request)

Inputs: pulse, galvanically isolated

- A input - counting
- B input - reset of current values counter
- C input - reset of cycles counter
- D input - reset of totalizer counter
- COM - common input

Input levels: low: 0V ± 1V
high: 10V ± 30V

Max. input frequency: electronic: 10 kHz
contact: max. 90 Hz (adjustable filter)

Displayed values range: -99 999 ± 999 999 ± decimal point (current values counter)
0 ± 999 999 ± decimal point (cycles counter)
-99 999 999 999 ± 999 999 999 999 (totalizer counter)

Outputs: 4 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)

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