

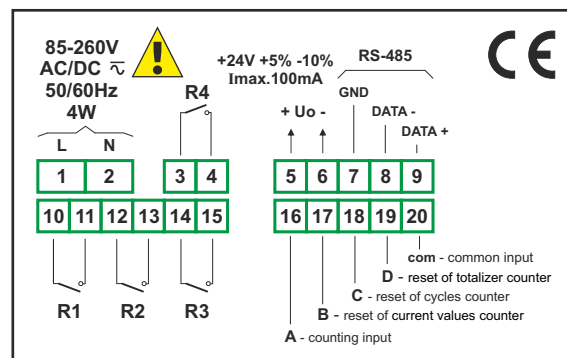
# SLB-94

- ▣ 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 programmable control 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 frame  
**08** : operating temp.  
 -20°C ÷ +50°C

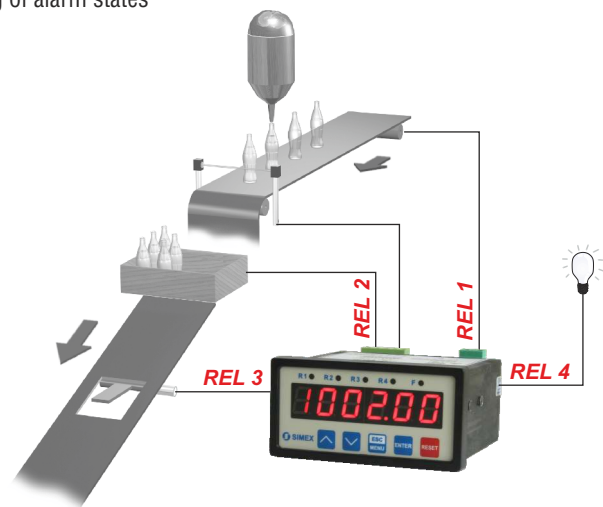
**power supply:**  
**3** : 24V AC/DC  
**4** : 85V - 260V AC/DC

**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 control of assembly line transmission system
4. Signalling of alarm states



## Technical data

**Power supply:** 19V ÷ 50V DC; 16V ÷ 35V AC or 85 ÷ 260V AC/DC, all separated  
**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 insulated

- 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: 0 V ÷ 1 V  
 high: 10 V ÷ 30 V

**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 insulated)

**Data memory:** non-volatile memory, EEPROM type

**Operating temperature:** 0°C ÷ +50°C (standard), -20°C ÷ +50°C (option)

**Storage temperature:** -10°C ÷ +70°C (standard), -20°C ÷ +70°C (with option 08)

**Protection class:** IP 65 (front), available additional frame IP 65 for panel cut-out sealing; 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