

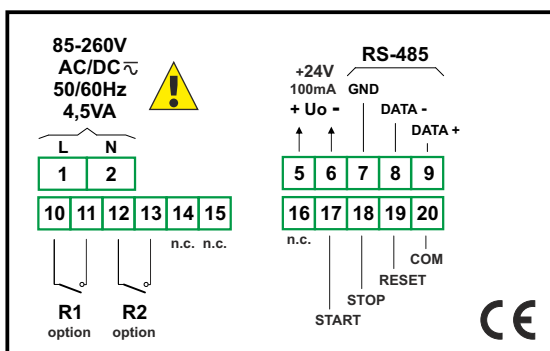
# SLC-94

- ▣ timer
- ▣ START/STOP pulse inputs
- ▣ counter reset input
- ▣ 2 relay / OC outputs (option)
- ▣ RS-485 / Modbus RTU

**SLC-94** is designed for precision time (period) measurements, e.g. duration of time interval and measurements of machine's operating time. Signals from push-buttons or contactors of control devices are connected to the terminals placed on back side of the counter. Properly programmed counter allows to measure time period between {START} and {STOP} signals. Other configuration allows to measure the activity time of {START} signal. In addition the measure can be started, stopped and cleared using local keyboard (on front of the device) or via RS-485 interface. Apart from basic function of time counting, totalizer is also available. Both counters are triggered and stopped simultaneously. Time counting is realised in range 0 ms to 999 99.9 hours. Build in two relay outputs allow use of this counter for control in many time depend processes.

- 2 counter reset sources: manual or electronic,
- keypad operation option,
- wide range of precision and presentation formats of timer and totalizer,
- password protection,
- versions available with AC and DC power supply.

## Exemplary pin assignment



## Ordering

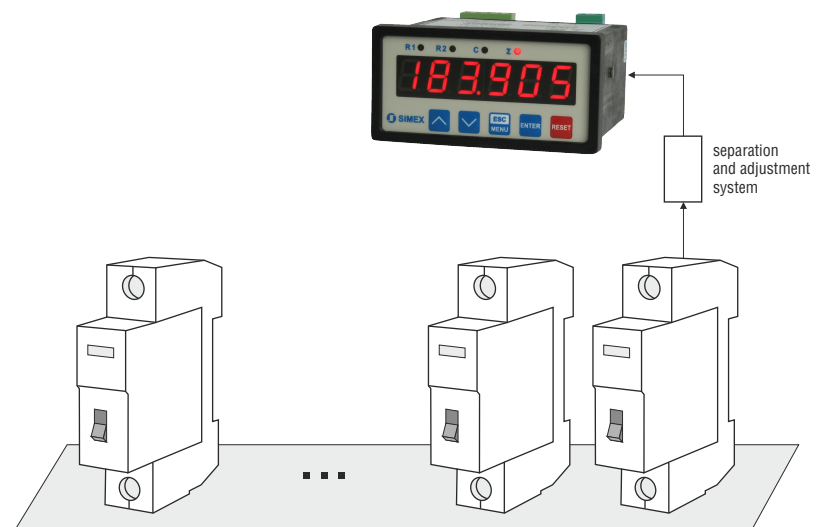
SLC-94-24XX-1-X-XX1

- options:**  
 00 : no options  
 01 : IP 65 frame
- power supply:**  
 3 : 24V AC/DC  
 4 : 85V - 260V AC/DC
- number of outputs:**  
 0 : no output  
 1 : REL  
 2 : OC
- type of outputs:**  
 0 : no output  
 1 : REL  
 2 : OC



## Typical applications

1. Measuring the activation time of residual current circuits breakers (RCCB) in the test phase.



## 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)
- Displayed values range:** depending on the display format (max. 0 ms + 999 99.9 h)
- Inputs:** pulse, galvanically isolated  
 START input - start count  
 STOP input - stop count  
 RESET input - counter reset  
 COM input - common
- Input levels:** low 0 V + 1 V; high 10 V + 30 V
- Resolution:** 1 ms
- Inputs sampling frequency:** > 10 kHz
- Minimum time between input signals edges:** 500 μs
- Accuracy:** ± 0,005 % of displayed value (at +25°C)
- Temperature stability:** ± 0,005 % (at 0°C + +50°C)
- Outputs:** 0 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 communication interface
- 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
- Storage temperature:** -10°C + +70°C
- 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