SLK-94T

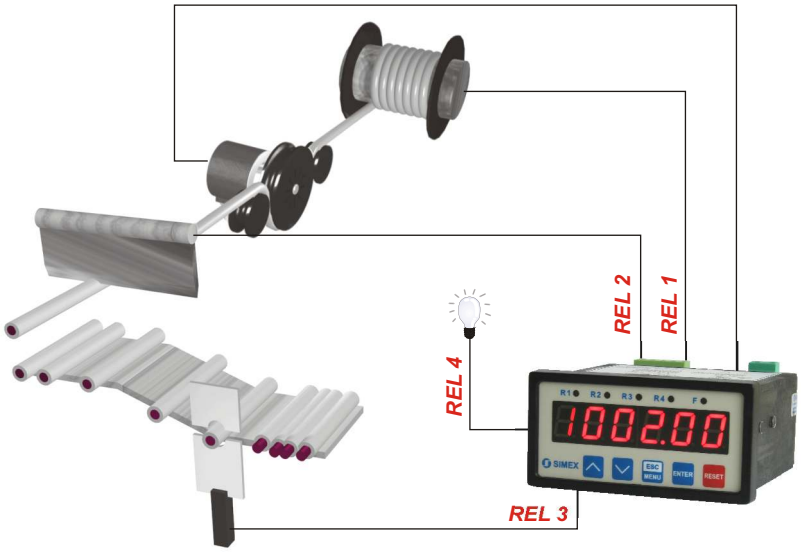
- fast quadrature counter, $f_{inp.}$=250 kHz
- 1 pulse quadrature counting input
- 2 programmable function inputs
- 4 relay (or OC) outputs
- programmable marker function

The **SLK-94T** counters are intended for tandem operation with the incremental encoders featuring quadrature outputs. The counters feature 4 relays (or OC outputs) with independently settable activation thresholds, which can be used to control external devices in one of two available operation modes. The counters also have 2 inputs with programmable function.

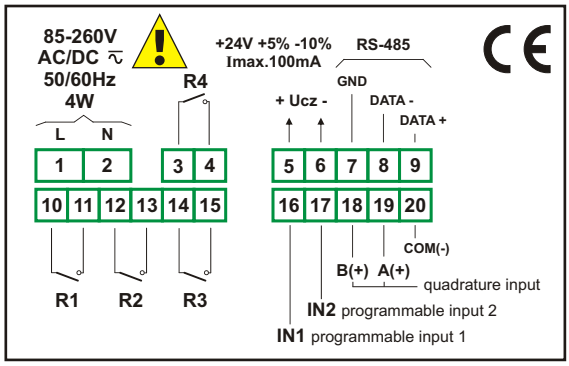
- fast quadrature input up to 250 kHz,
- 2 inputs with programmable function,
- 5 counter reset sources,
- automatic reset option,
- password protection,
- relays (or OC) operation time programmable to 99 min.,
- programmable multiplier, divider and offset (4 profiles),
- programmable decimal point position,
- ACCESS option - easy threshold modification,
- available with AC and DC power supply versions.

Typical applications

1. Measuring the length of wound material plus control of the cutting knife actuator according to predefined parameters, control of the material travel drive and alarm signalling.



Examplary pin assignment



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 and B inputs - quadrature, counting
IN1 input - programmable
IN2 input - programmable
COM input - common
Input levels: low: 0 V ÷ 1 V
high: 10 V ÷ 30 V (max. 12 mA for 24V)
Max. input frequency: 250 kHz
Displayed values range: current values counter -99999 ÷ 999999 + decimal point
cycles counter ("normal" mode) 0 ÷ 999999
cycles counter ("marker" mode) -99999 ÷ 999999 + decimal point
totalizer counter -9999999999 ÷ 999999999999
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 communication interface
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

Ordering

SLK-94T-164X-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