



Model Number

KCT1-5SR-V

Features

- Counter/Timer/Tachometer
- 5-digit LED indicator, red
- 1 Pre-selection
- Simple pre-selection setting via one button per decade
- Adding/subtracting via 2 separate inputs
- Display range and preselection range from -199999 up to 999999
Overflow will be evaluated correctly up to 1 decade
- PNP and NPN sensors can be connected
- Protection degree IP54 (front only)

Technical data

General specifications

Pre-selection	single
Data storage	10 ⁶ storage cycles or 10 years
Programming	keypad-driven menu and programming switch
UL File Number	E225084

Functional safety related parameters

MTTF _d	690 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

Type	7-segment LED display, red
Number of decades	5
Display value	digit height 7.5 mm
Pre-selection	digit height: 7.5 mm (selectable)
Key interlock	with "high"-level at terminal "KEY"
Display interval	-19999 ... 99999
Decimal point	0 to max 3 fractional digits
Scale factor	0.001 ... 9.999
Reset	manually or external

Electrical specifications

Operating voltage	U _B	230 V AC
Power consumption	P ₀	max. 4 VA

Input

Counting frequency	30 Hz / 10 kHz
Minimum pulse duration	5 ms
Impedance	approx. 10 kOhm
Voltage	low: 0 ... 4 V DC high: 12 ... 30 V DC
Counting method	adding or subtracting

Output

Relay	250 V AC / 300 V DC, 3 A, changeover contact
Sensor supply	14.4 ... 27.6 V DC, 80 mA
Response time	6 ms

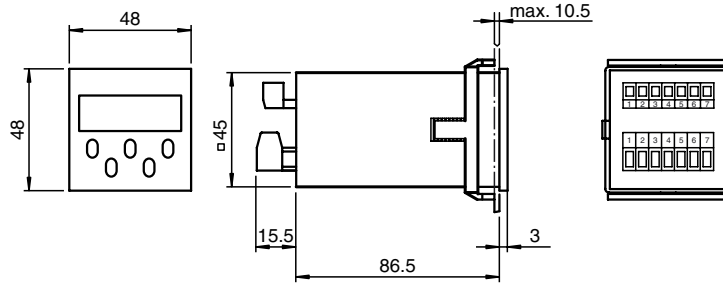
Ambient conditions

Ambient temperature	0 ... 50 °C (273 ... 323 K)
Storage temperature	-25 ... 70 °C (248 ... 343 K)
Relative humidity	≤ 80 % (non-condensing)

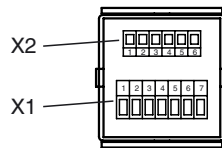
Mechanical specifications

Mass	approx. 240 g
Dimensions	48 mm x 48 mm x 110 mm
Mounting	latch fastener (dimension 50.5 mm x 54.5 mm)

Dimensions



Electrical connection



Connection assignment X1

Terminal No.	AC version
1	+24 V DC Sensor supply voltage
2	0 V DC (GND)
3	Output relay common contact (C)
4	Output relay normally open contact (NO)
5	Output relay normally close contact (NC)
6	Power supply 230 V AC
7	Power supply 230 V AC

Connection assignment X2

Terminal No.	Name	AC version
1	INP A	Counter input A
2	INP B	Counter input B
3	GATE	Gate input
4	RESET	Reset input
5	LATCH	Hold input
6	KEY	Input of push-button lock

Attention

In the case of setting the continuous signal = 99.99 (inverted relay function) the functions of terminals 4 and 5 are changed:

Terminal No.	AC version
4	Relay normally closed contact (NC)
5	Relay normally open contact (NO)

Release date: 2009-11-12 13:45 Date of issue: 2009-11-12 110346_ENG.xml