

- Addition/subtraction counters
- 1 preselection with additional pre-activation
- 4 or 6 decade devices
- LED indicators, red/green



Order code

KCV-4S-V

KCV-6S-V

KCV-4S-C1

KCV-6S-C1

Technical data

General data

Preselection
Data storage

Controls and indicators

Type (Numerical value/preselection)
Number of decade devices
Digit height (Numerical value/preselection)
Scaling factor
Decimal point
Parameter assignment
Reset

Inputs

Counting frequency

Input impedance
Input voltage

Delay times

External reset
Automatic reset
Manual reset
Hold Input
Time delay before availability

Outputs

Transistor output

Relay output
Output functions

Timer pulse duration

Electrical data

Voltage
Power consumption
Power supply for sensor

Ambient conditions

Ambient temperature
Storage temperature
Relative air humidity

Mechanical data

Weight
Dimensions (L x H x D)
Mounting fixing
Connection
Maximum permissible core cross-section

single
10 years, EEPROM

LED red/LED green
4
12 mm/7 mm
0.001 ... 9999
freely adjustable
via menu/DIP switch
manual

30 Hz/200 Hz/
1 kHz/10 kHz
15 kΩ
low: 0 ... 6 V DC
high: 16 ... 30 V DC

> 5 ms
< 100 μs
< 100 ms
< 100 μs
< 500 ms

PNP, normally-
closed collector,
24 V DC, 100 mA,
max. 35 V
220 V AC, 2 A
passing contact/
maintained contact/
coincidence
10 ... 9990 ms

100 ... 240 V AC
approx. 11 VA
24 V DC, 60 mA

-10 ... 50 °C
-20 ... 70 °C
35 ... 85 % (non-
condensing)

approx. 150 g
48 x 48 x 106 mm
fixing frame
screw terminals
0.34 ... 1.5 mm²

single
10 years, EEPROM

LED red/LED green
6
10 mm/7 mm
0.001 ... 999999
freely adjustable
via menu/DIP switch
manual

30 Hz/200 Hz/
1 kHz/10 kHz
15 kΩ
low: 0 ... 6 V DC
high: 16 ... 30 V DC

> 5 ms
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max. 35 V
220 V AC, 2 A
passing contact/
maintained contact/
coincidence
10 ... 9990 ms

12 ... 24 V AC
4 W
-

-10 ... 50 °C
-20 ... 70 °C
35 ... 85 % (non-
condensing)

approx. 110 g
48 x 48 x 66 mm
fixing frame
screw terminals
0.34 ... 1.5 mm²

single
10 years, EEPROM

LED red/LED green
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10 mm/7 mm
0.001 ... 999999
freely adjustable
via menu/DIP switch
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30 Hz/200 Hz/
1 kHz/10 kHz
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low: 0 ... 6 V DC
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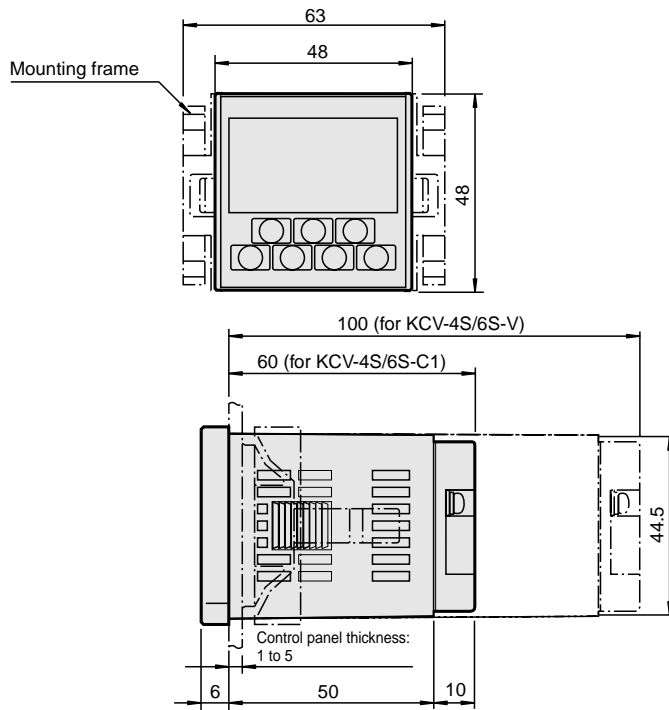
PNP, normally-
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max. 35 V
220 V AC, 2 A
passing contact/
maintained contact/
coincidence
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12 ... 24 V AC
4 W
-

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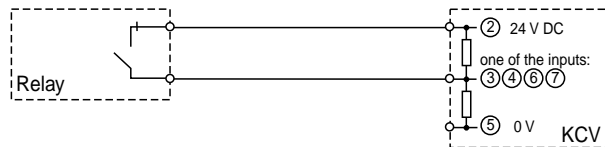
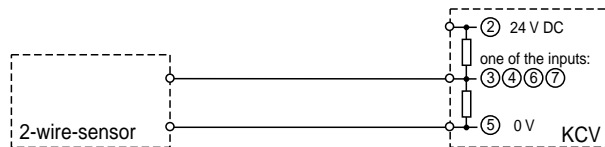
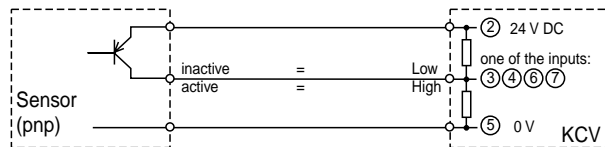
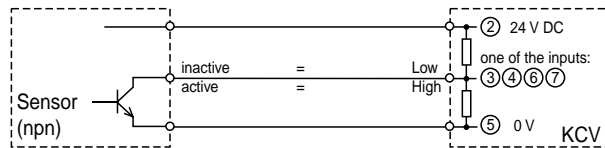
KCV-4S-V
 KCV-6S-V
 KCV-4S-C1
 KCV-6S-C1

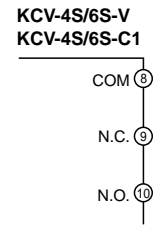
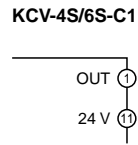
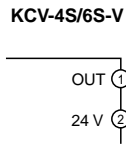


Additional features

- Power supply for pulse generator
- Counting frequency up to 10 kHz
- Menu driven programming
- 2 Inputs for addition and subtraction or commonly as phase difference input
- Transistor output on reaching the value of the pre-activation
- Relay output on reaching the value of the preselection
- Reset automatic or with external signal
- Fixing frame for Installation
- Protection class IP65 in accordance with EN 60529 (Front only)
- Shock resistance in accordance with DIN EN 60068-2-27
- Vibration resistance in accordance with DIN EN 60068-2-6

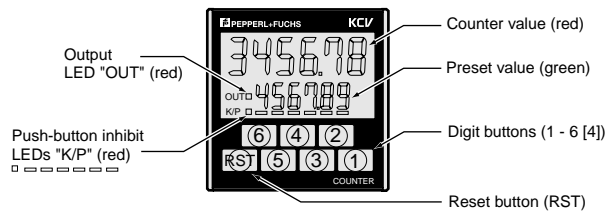
Electrical connection Inputs



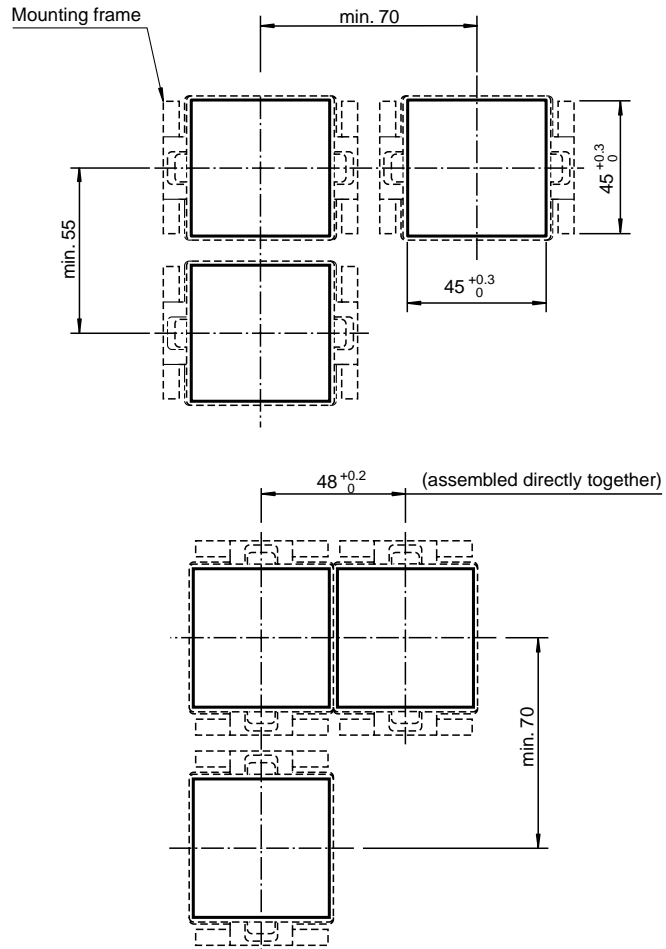


Additional data

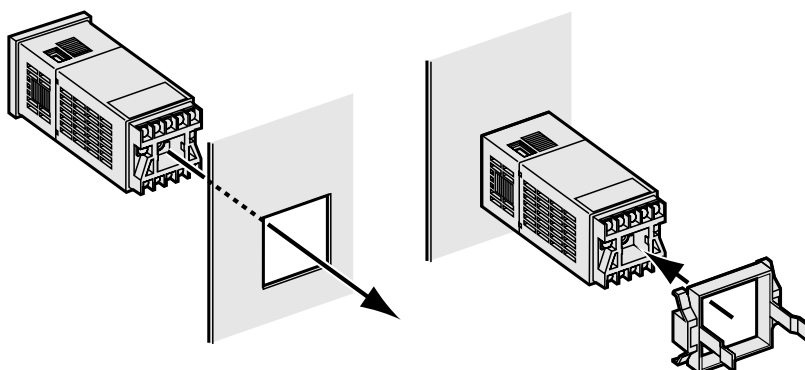
Controls and indicators



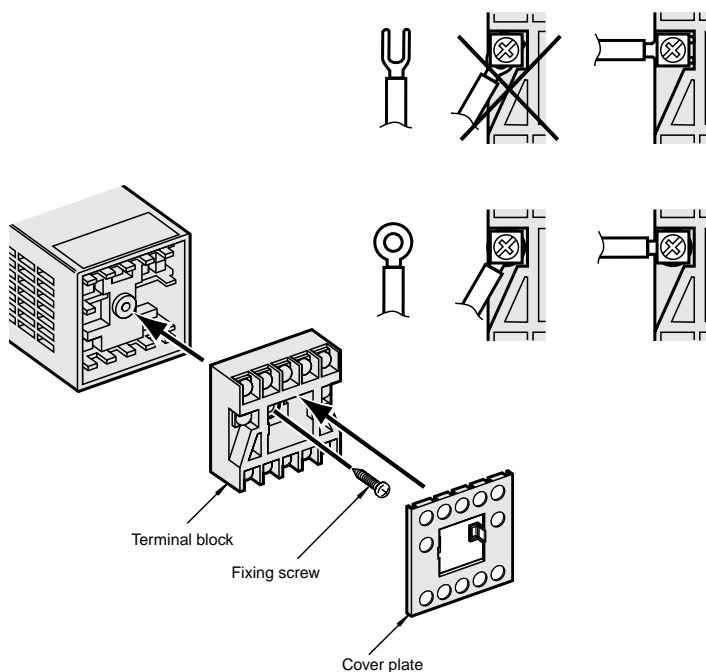
Installed dimensions



Installation fixings

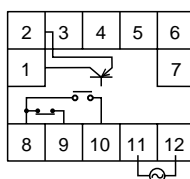


Terminal block and cable connection

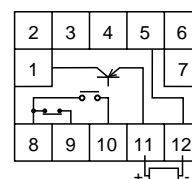


Position of the connector terminals

KCV-4S/6S-V



KCV-4S/6S-C1

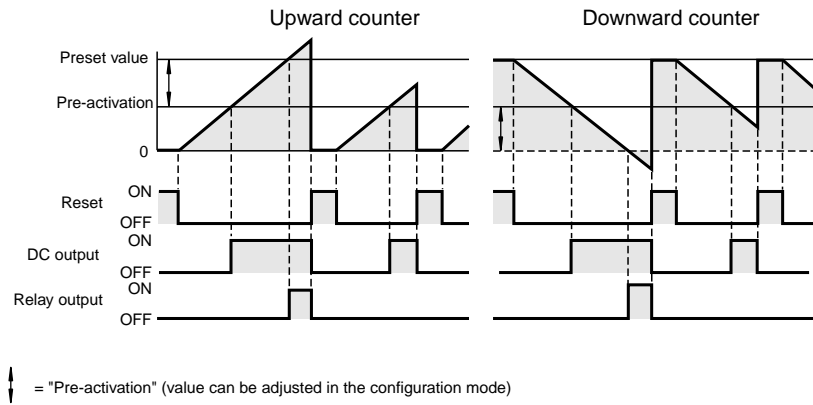


Assignment of the connector terminals

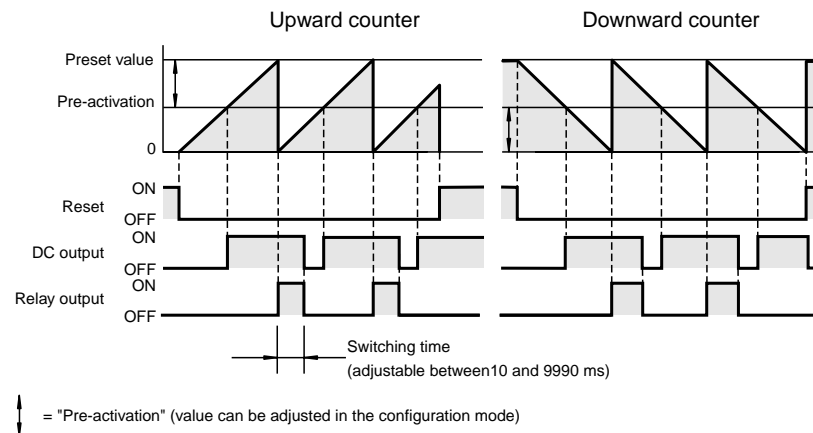
Terminal	KCV-4S-V/KCV-6S-V	KCV-4S-C1/KCV-6S-C1
1	DC open-collector output OUT (pnp)	
2	24 V DC, 60 mA (Signal sensor supply)	not connected
3	Counter input INA	
4	Counter input INB	
5	0 V	
6	Hold input INH	
7	Reset R	
8	Relay output central contact, COM	
9	Relay output, normally-closed contact N.C.	
10	Relay output normally-open contact, N.O.	
11	Voltage supply 100 ... 240 V AC	Voltage supply
12		12 ... 24 V DC

Issue date 14.06.2000

Signal characteristic output function "maintained contact"



Signal characteristic output function "passing contact"



Signal characteristic output function "coincidence"

