LCD Preset Counters | 1 or 2 Presets | Codix 907 / 908

The Codix 908 and 907 preset counters for pulse and time inputs offer all essential counter functions at an amazing price-performance ratio.

As a result of their minimal mounting depth and their plug-in screw terminals, the counters are simple and quick to install; as an option the two-line LCD can also be backlit. It is then even easier to read it at a glance.

c UL us in preparation

RoHS

3 Jahre / years Gewährleistung / warranty Made in Germany by Kübler

Supply voltage | Temperature | DIN front bezel | Menu driven programming | High IP value | Plug-in screw terminal | Count frequency | Presets 907: 1 / 908: 2 | Multifunction | 2 x 6 LCDs

Simple

- Plug-in screw terminal
- Menu driven programming
- Decade keypad, for each digit one key
- DC or AC supply voltage
- Minimum installation depth
- High protection rating (IP 65)
- With preset annunciators

Powerful

- For pulse, time and position
- Adding or subtracting
- Automatic reset, via key or electrical
- Codix 907: 1 Presets / Codix 908: 2 Presets
- 2 x 6 digit display with preset annunciators from -999999 up to +999999
- With or without backlighting

Order code

6.90❶X.01❷❸X.❹❺A0

❶ **Number of presets**
7 = 1 preset
8 = 2 presets

❷ **Output**
0 = Relays

❸ **LCD options**
0 = no backlighting
1 = green backlighting

❹ **Supply voltage**
0 = 230 V AC
1 = 115 V AC
3 = 10 ... 30 V DC

❺ **Input trigger level**
A = 4 ... 30 V DC level

Delivery specification
- Preset counter
- Mounting clip
- 8 pin screw terminal
- 7 pin screw terminal
- Operating instructions

Stock models:

6.907.0100.3A0	6.907.0100.0A0
6.908.0100.3A0	6.908.0100.0A0
6.908.0101.3A0	6.908.0101.0A0

Accessories

Adapter front bezel 55 x 55 mm
for panel cut-out 50 x 50 mm
Order-No. **T008853**
Gasket **N511004**

Adapter bezel 60 x 75 mm
with screw fixing
Order-No. **T008860**
Gasket **N511028**

Replacement parts

8-pin screw terminal 1 ... 8
Order-No. **N100498**

8-pin screw terminal 9 ... 15
Order-No. **N100548u002**

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Technical data

Supply voltage		
	AC	115/230 V / 50/ 60 Hz, max. 6,5 VA
	DC	11 ... 30 V, max. 4 W
External fuse protection		
	230 V AC	T 0,1 A
	115 V AC	T 0,125 A
	11 ... 30 V DC	T 0,2 A
Display		2-line 6-digits LCD display positive green, with optional backlighting
Data retention		> 10 years, EEPROM
Count inputs	pulse counter	cnt.dir, up.dn, quad
	timer	FrErun, InpA.InpB., InpB.InpB.
Voltage supply for sensors	AC	24 V DC -40/+15%, 50 mA at 230 V AC, 40 mA at 115 V AC
	DC	max. 50 mA, external voltage supply is connected through
Operating temperature		-10 °C ... +50 °C
Storage temperature		-25 °C ... +75 °C
Humidity	at +40 °C	r.F. 93%, non condensing
Altitude		up to 2000 m
EMV	Emitted interference	EN55011 Class B
	Immunity to interference	EN 61000-6-2
Device safety		EN 61010 part 1; Protection 2
Application area		Soiling Level 2
Protection		IP65 (from the front)
Weight	AC version	approx. 250 g
	DC version	approx. 150 g

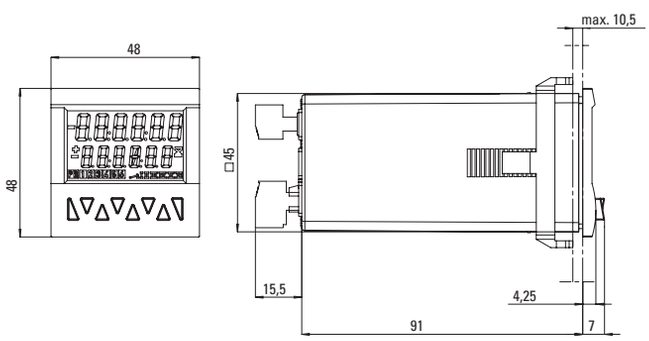
Inputs

Count inputs			A and B
Polarity of the inputs			programmable for all inputs in common NPN/PNP
Input resistance			10 kΩ
Count frequency			max. 5 kHz (details see manual) can be damped to 30 Hz (mechanical contacts)
Control / Reset input			Lock, Reset
Min pulse duration of the inputs			statical /1 ms
Switching levels with AC/ DC-supply:	4 ... 30 V DC:	low	0 ... 2 V DC
		high	3,5 ... 30 V DC
Pulse shape			variable, Schmitt-Trigger characteristics

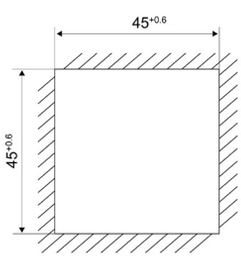
Outputs

Switching voltage		max. 250 V AC / 110 V DC
Switching current		max. 3 A AC/DC min. 30 mA DC
Switching capacity		max. 750 VA / 90 W
Output 1		
Mech. service life (switching cycles)		2×10^7
N° of switching cycles at 3 A / 250 V AC		1×10^5
N° of switching cycles at 3 A / 30 V DC		1×10^5
Relay with closing contact, progr. normal closed or normal open.		
Output 2		
Mech. service life (switching cycles)		20×10^6
N° of switching cycles at 3 A / 250 V AC		5×10^4
N° of switching cycles at 3 A/30 V DC		5×10^4
Relay with changeover contact		
Reaction time of the outputs:	Pulse counter	< 15 ms
	Timer	< 10 ms

Dimensions



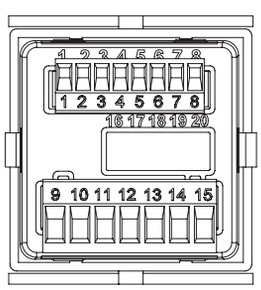
Panel cut-out



Connections

Signal and control inputs

1 – Sensor voltage supply
  AC: 24 VDC/220 V, 50 mA
  115 V, 40 mA
  DC: UB connected through
2 – GND (0 VDC)
3 – INP A (Signal input A)
4 – INP B (Signal input B)
5 – RESET (Reset input)
6 – LOCK (Key locking input)
7 – n. c.
8 – n. c.



Version with relays/optocouplers

9 – Relay contact C./Collector
10 – Relay contact N.O./Emitter
11 – Relay contact C./Emitter
12 – Relay contact N.O./not assigned
13 – Relay contact N.C./Collector
14 – AC: 115/230 VAC N~
  DC: 11 ... 30 VDC
15 – AC: 115/230 VAC L~
  DC: GND (0 VDC)

Output 1
Output 2
Supply voltage