

Preset Counters

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



DC 11 ... 30 V	AC 115/230 V	 -10° +50°	 DIN 48 x 48	 Menu driven programming	 IP 65	 Plug-in screw terminal	 max. 5 kHz	 1 or 2	 Multifunction	 2 x 6 LCDs
Supply voltage		Temperature	DIN front bezel		High IP value		Count frequency	Presets 907: 1 / 908: 2		

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

6.90 X . 0 1 0 X . X A 0

① Number of presets

- 7 = 1 preset
- 8 = 2 presets

② Output

- 0 = Relays

③ LCD options

- 0 = no backlighting
- 1 = green backlighting

④ Supply voltage

- 0 = 230 V AC
- 1 = 115 V AC
- 3 = 10 ... 30 V DC

⑤ 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.

T00885

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 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

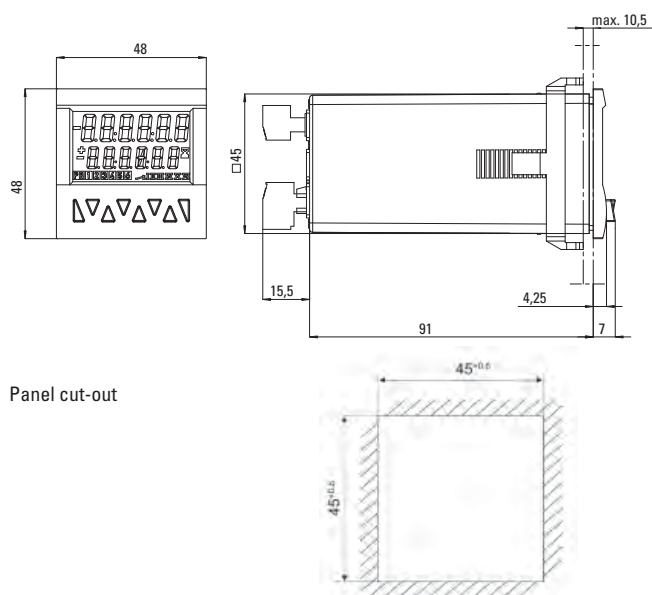
Inputs

Count inputs		A and B
Polarity of the inputs		programmable for all inputs in common NPN/PNP
Input resistance		10 kW
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 x 10 ⁷
		N° of switching cycles at 3 A / 250 V AC 1 x 10 ⁵
		N° of switching cycles at 3 A / 30 V DC 1 x 10 ⁵
		Relay with closing contact, progr. normal closed or normal open.
Output 2		Mech. service life (switching cycles) 20 x 10 ⁶
		N° of switching cycles at 3 A / 250 V AC 5 x 10 ⁴
		N° of switching cycles at 3 A/30 V DC 5 x 10 ⁴
		Relay with changeover contact
Reaction time of the outputs:		Pulse counter < 15 ms
		Timer < 10 ms

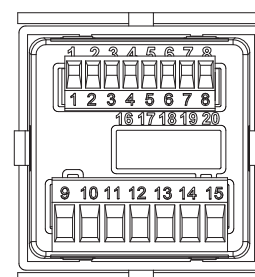
Dimensions



Connections

Signal and control inputs

- Sensor voltage supply
AC: 24 VDC/220 V, 50 mA
115 V, 40 mA
DC: UB connected through
- GND (0 VDC)
- INP A (Signal input A)
- INP B (Signal input B)
- RESET (Reset input)
- LOCK (Key locking input)
- n. c.
- n. c.



Version with relays/optocouplers

- Relay contact C./Collector
 - Relay contact N.O./Emitter
 - Relay contact C./Emitter
 - Relay contact N.O./not assigned
 - Relay contact N.C./Collector
 - AC: 115/230 VAC N~
 - DC: 11 ... 30 VDC
 - AC: 115/230 VAC L~
 - DC: GND (0 VDC)
- Output 1
- Output 2
- Supply voltage