

Preset Counters

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.



DC 11 ... 30V Power supply	AC 115/230V Power supply	-10° + 50° Temperature range	000000 DIN 48 x 96 DIN front bezel	Prog Menu-driven programming	IP 65 High IP value	max. 5 kHz count frequency	Plug-in screw terminal	1 or 2 Presets 907: 1 / 908: 2	Multifunction
2x6 LCD 2 x 6 LCDs	Red/Green Display								

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

6.90X . 010X . XA0

a Number of presets 7 = 1 preset 8 = 2 presets	c LCD-Ausführung 0 = no backlighting 1 = green backlighting 4 = two coloured, negative red/green backlighting	d Supply voltage 0 = 230 V AC 1 = 115 V AC 3 = 10 ... 30 V DC	Delivery specification - Preset counter - Mounting clip - 8 pin screw terminal - 7 pin screw terminal - Operating instructions	Stock types 6.907.0100.3A0 6.908.0100.3A0 6.908.0101.3A0 6.907.0100.0A0 6.908.0100.0A0 6.908.0101.0A0
b Outputs 0 = relays	e Input trigger level A = 4 ... 30 V DC level			

Accessories

Adapter front bezel 55 x 55 mm	for panel cut-out 50 x 50 mm Gasket 58 x 58 mm / 50,2 x 50,2 mm	T008853 N511004
Adapter front bezel 60 x 75 mm	with screw fixing for panel cut-out 50 x 50 mm Gasket 60 x 75 mm / 50 x 50 mm	T008860 N511020

Replacement parts

8-pin connector	1 ... 8	N100498
7-pin connector	9 ... 15	N100548u002

Preset Counters

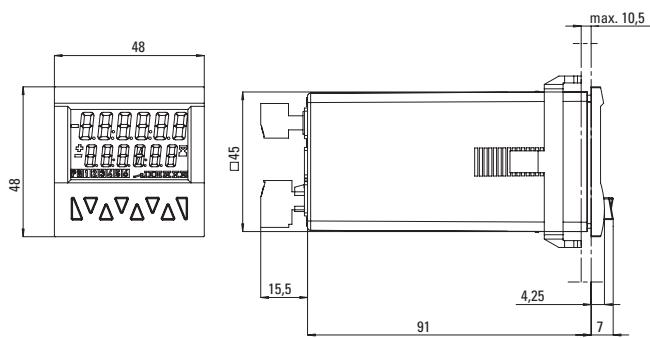
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General technical data	
Display	2 line 2 x 6 digits LCD display (upper line 9 mm, lower line 7 mm, special sign 2 mm high) - positive green with optional backlighting - two coloured upper line negative, red backlighting lower line negative, green backlighting
Operating temperature	-10 °C ... +50 °C
Storage temperature	-25 °C ... +75 °C
Humidity	bei +40 °C r.F. 93%, non-condensing
Altitude	up to 2000 m

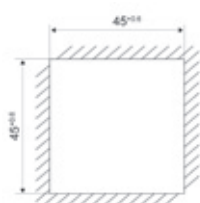
Electrical characteristics	
Sensor supply voltage	AC 115/230 V / 50/60 Hz, max. 6,5 VA DC 11 ... 30 V, max. 4 W
External fuse protection	230 V AC T 0,1 A 115 V AC T 0,125 A 11 ... 30 V DC T 0,2 A
Data retention	> 10 years, EEPROM
Input modes	pulse counter cnt.dir, up.dn, quad FrErUn, InpA.InpB., InpB.InpB. timer
Sensor supply voltage	AC supply 24 V DC -40/+15%, 50 mA at 230 V AC, 40 mA at 115 V AC DC supply max. 50 mA external supply voltage is connected through
EMV	Emitted interference EN55011 Class B Immunity to interference EN 61000-6-2
Device safety	designed to EN61010 part 1 Protection Class 2 Application area Pollution level 2

Mechanical Data	
Protection	IP65 (from the front)
Weight	AC version approx. 250 g DC version approx. 150 g

Dimensions



Panel cut-out



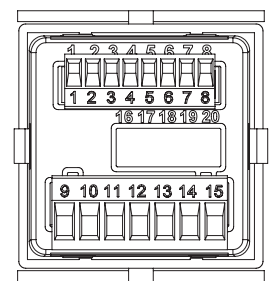
Inputs	
Count inputs	A und B
Polarity of the inputs	programmable for all inputs in common, NPN/PNP
Input resistance	10 kΩ
Count frequency	max. 5 kHz (details see manual) can be damped to 30 Hz (mechanical contacts)
Control / Reset input	Lock, Reset
Min pulse duration of the inputs	statical / 1 ms
Switching 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 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

Connections

Signal and control inputs

- 1 – Sensor voltage supply
AC: 24 VDC/220 V, 50 mA
115 V, 40 mA
DC: U_B 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

- 9 – Relay contact C. Output 1
- 10 – Relay contact N.O.
- 11 – Relay contact C. Output 2
- 12 – Relay contact N.O.
- 13 – Relay contact N.C.
- 14 – AC: 115/230 VAC N~ Supply voltage
- DC: 11 ... 30 VDC
- 15 – AC: 115/230 VAC L~
- DC: GND (0 VDC)