

Preset counters, electronic

LCD preset counters	1 or 2 presets – pulse, time – 5 kHz (AC+DC)	Codix 907 / 908
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The pulse and time preset counters Codix 907 and 908 offer all important counter functions with an unbeatable price/performance ratio.

The counters offer easy, user-friendly installation thanks to their minimal installation depth and plug-in screw terminals; the 2-line LCD display is available with optional backlighting, making it even easier to read with just a quick glance.



Preset counters

DC 11 ... 30 V Power supply	AC 115/230V Power supply	Temperature range -10° + 50°	DIN front bezel DIN 48 x 48	Menu-driven programming	High protection level IP65	Count frequency max. 5 kHz	Plug-in screw terminal	Presets 907: 1 / 908: 2	Multifunction
LCD display 2x6 LCD	Multicolour display								

Powerful

- For pulse, time and position
- Adding or subtracting
- Automatic reset when preset is reached, or by key-press or electrically
- Codix 907: 1 preset / Codix 908: 2 presets
- 2 x 6-digit display and preset annunciators from -999999 to +999999
- Display with or without backlighting, 2-colour

Simple

- Plug-in screw terminal
- Simple menu-driven programming
- Decade keypad, for each digit one key
- DC or AC powered
- Minimum installation depth
- High protection level (IP65) with integrated front bezel gasket
- With preset annunciators

Order Code 6.90 X . 0 1 0 X . X A 0

a
b
c
d
e

<p>a Number of presets</p> <p>7 = 1 preset</p> <p>8 = 2 presets</p>	<p>c LCD version</p> <p>0 = no backlighting</p> <p>1 = green backlighting</p> <p>4 = 2-colour, negative red/green backlighting</p>	<p>d Power supply</p> <p>0 = 230 V AC</p> <p>1 = 115 V AC</p> <p>3 = 10 ... 30 V DC</p>	<p>e Input trigger level</p> <p>A = 4 ... 30 V DC level</p>	<p>Delivery specification</p> <ul style="list-style-type: none"> - Preset counter - Mounting clip - 8 pin screw terminal - 7 pin screw terminal - Operating instructions 	<p>Stock types</p> <p>6.907.0100.3A0</p> <p>6.908.0100.3A0</p> <p>6.908.0101.3A0</p> <p>6.907.0100.0A0</p> <p>6.908.0100.0A0</p> <p>6.908.0101.0A0</p>
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Accessories	Dimensions in mm [inch]			Order-No.
Adapter front bezel, 55 x 55 [2.17 x 2.17]	For cut-out 50 x 50 [1.97 x 1.97] to cut-out 45 x 45 [1.77 x 1.77] with clip mounting for counters 48 x 48 [1.89 x 1.89]		black	T008853
	Gasket 58 x 58 [2.28 x 2.28], for cut-out 50.2 x 50.2 [1.98 x 1.98]			N511004
Adapter front bezel, 60 x 75 [2.36 x 2.95]	For cut-out 50 x 50 [1.97 x 1.97] to cut-out 45 x 45 [1.77 x 1.77] with screw mounting for counters 48 x 48 [1.89 x 1.89]		black	T008860
	Gasket 60 x 75 [2.36 x 2.95] for cut-out 50 x 50 [1.97 x 1.97]			N511020
Adapter front bezel, 72 x 72 [2.83 x 2.83]	For cut-out 68 x 68 [2.68 x 2.68] to cut-out 45 x 45 [1.77 x 1.77] (Mating clip T009420 must be ordered separately)		black mating clip	T008177 T009420
Sealing cover type K2, IP65	Suitable for front bezel 75 x 60 [2.95 x 2.36] with screw mounting		transparent/black	G008303
Transparent cover, IP65	For cut-out 50 x 50 [1.97 x 1.97], with screw mounting for counters with cut-out 45 x 45 [1.77 x 1.77] and front bezel 48 x 48 [1.89 x 1.89]		lockable key lockable	G008143 G008153
Mounting frame with cut-out 50 x 50 [2.36 x 2.36] via separate adapter also for 45 x 45 [1.77 x 1.77]	For snap-on mounting on 35 [1.38] top-hat DIN rail, for counters 48 x 48 [1.89 x 1.89], 53 x 53 [2.09 x 2.09] and 55 x 55 [2.17 x 2.17]		chromated	G300003
Replacement parts				
8-pin connector	1 ... 8, pitch 3.81			N100498
7-pin connector	9 ... 15 (for 923 / 924), pitch 5.08			N100548u002

Suitable gaskets as well as further accessories can be found in the accessories section or in the accessories area of our website at: www.kuebler.com/accessories.

Technical data	
General technical data	
Display	<ul style="list-style-type: none"> - 2 line 2 x 6 digits LCD display upper line 9 mm [0.35"], lower line 7 mm [0.28"], special sign 2 mm high [0.079"] - positive green with optional backlighting - 2-colour upper line: negative, red backlighting lower line: negative, green backlighting
Operating temperature	-10°C ... +50°C [+14°F ... +122°F] (non-condensing)
Storage temperature	-25°C ... +75°C [-13°F ... +167°F]
Humidity at +40°C [+104°F]	RH 93% (non-condensing)
Altitude	up to 2000 m [6562']
Mechanical Data	
Protection	IP65 (front side)
Weight	AC version approx. 250 g [8.82 oz] DC version approx. 150 g [5.29 oz]
Electrical characteristics	
Sensor power supply	AC 115/230 V, ±10%, 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 timer FrErUn, InpA.InpB., InpB.InpB.
Sensor power supply	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 power supply is connected through
EMC	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

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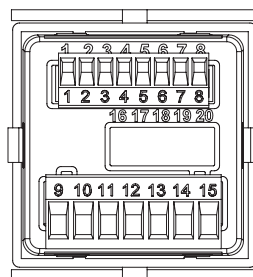
Inputs	
Count inputs	A and B
Polarity of the inputs	programmable for all inputs in common, NPN/PNP
Input resistance	10 kΩ
Count frequency	max. 5 kHz (details see manual) can be damped to 30 Hz (mechanical contacts)
Control / Reset input	Lock, Reset
Min pulse duration of signal and control inputs	statical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

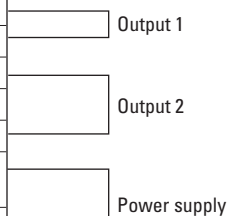
Preset counters

Terminal assignment

Pin	Signal and control inputs
1	Sennsor power supply
2	GND (0 V DC)
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.



Pin	Version with relays
9	Relay contact C.
10	Relay contact N.O.
11	Relay contact C.
12	Relay contact N.O.
13	Relay contact N.C.
14	AC: 115/230 V AC N~ DC: 11 ... 30 V DC
15	AC: 115/230 V AC L~ DC: GND (0 V DC)



Dimensions

Dimensions in mm [inch]

