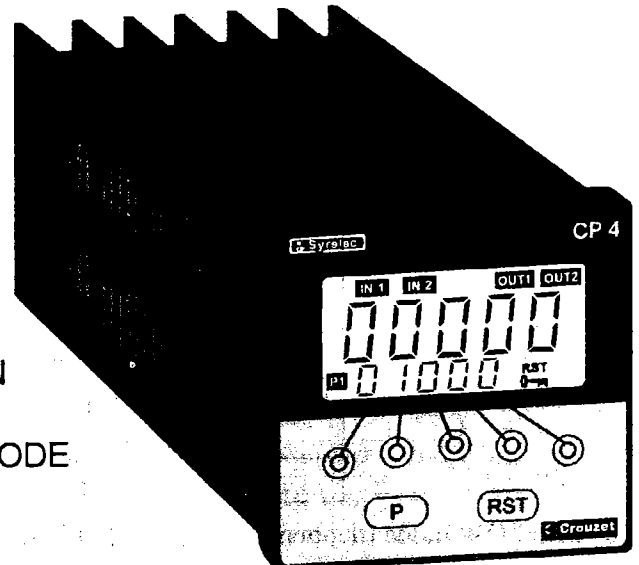


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# 1 - MAIN CHARACTERISTICS

The CP4 counters are format 48 x 48, with 5 decades, 2 presets maximum and an LCD display. The unit slides out from the front and the programming mode can be accessed when the unit is halfway out. Configuration settings and current value are saved in EEPROM memory.

**Display :** Current value : 5 digits, height 8 mm ; Preset : 5 digits, height 4 mm  
4192 : green back-lit LCD ; 4392 : red back-lit LCD

**Functions :** Counter, Batch counter, Chronometer, Tachometer

## Inputs

2 inputs IN1 and IN2.

8 input modes : UP, DOWN, IND, CUMUL, DIR, PHASE, PHASEx2, PHASEx4.

Input by contact, voltage or solid state device (NPN or PNP).

Counting frequency :

Mode		Counter	Tachometer
UP / DOWN / DIR		7.5 KHz	9.0 KHz
IND CUMUL	IN1 & IN2 no simultaneous	7.5 KHz	9.0 KHz
	IN1 & IN2 simultaneous	4.0 KHz	5.0 KHz
PHASE / PHASEx2		5.0 KHz (excepted in Batch mode : 4.0 KHz)	
PHASEx4		2.5 KHz	4.0 KHz

30 Hz in LOW mode (debounce).

Low level : 0 to 1 V

High level : 4 to 30 V

Version	10/30 V	20/55 V	80/260 V
Power consumption	3 W	5 VA	10 VA

## Reset

Reset to zero or to preset

- From front panel (RST) : if not protected in programming phase.
- Electrical (terminal 10) : by contact, voltage or solid state device (NPN or PNP).

Minimum pulse time : 5 ms.

Low level : 0 to 1 V

Impedance : 10 K $\Omega$

High level : 4 to 30 V

Scale factor : 00.001 to 99.999

Decimal point : 4 possibilities

Sensor supply : version ~ : 12 VDC ( $\pm$  10 % from 30 to 100 mA)

version : Un - 2 V / 100 mA (Un : supply voltage)

## Outputs

Output modes : maintained or pulsed.

Single shot or repetitive cycle (immediate auto reset).

### - Solid state NPN

Maximum current : 100 mA

Maximum response time : 250  $\mu$ s

Maximum voltage : 40 VDC

### - Relay

2 NO contacts

Maximum voltage : 250 VAC

Nominal current : 2 A

Maximum response time : 10 ms

Minimum current : 10 mA

Number of operations : 300,000 min (in AC1 1800 op./H)

## Power supply

10 VDC min to 30 VDC max - 20 VAC min to 55 VAC max - 80 VAC min to 260 VAC max

Immunity from micro power cuts : t max = 10 ms

AC version : 50/60 Hz

