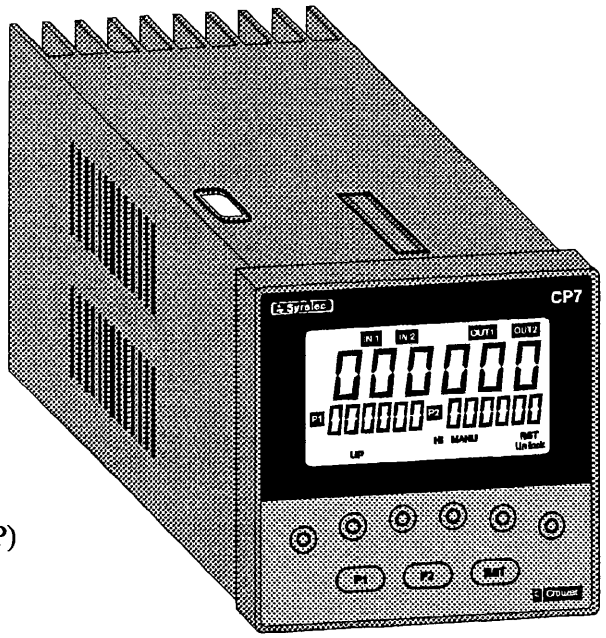
Crouzet®

INSTALLATION MANUAL
UP / DOWN COUNTER
7141 / 7142 - 7341 / 7342
NTR 804 C



Main characteristics

The 7X41 and 7X42 counters are format 72 x 72, with 6 decades, 2 presets maximum and a back-lit LCD display. The unit slides out from the front and the programming mode can be accessed in this position. Configuration settings and current value are saved in EEPROM memory.

Display : 6 digits, height : 10 mm
71XX : back-lit LCD
73XX : red display

Inputs

2 inputs IN1 and IN2, 1 inhibit input.
8 input modes : UP, DOWN, CUMUL, DIR, IND PHASE, PHASE 2, PHASE 4.
Input by contact, voltage or solid-state device (NPN or PNP)
Counting frequency : 5 KHz / 2.5 KHz in Phase 4
30 Hz in debounce mode (LOW).

Low level : 0 to 1 V ⎓
High level : 4 to 30 V ⎓

Version	10/30 V	20/55 V	80/260 V
Power consumption	4 W	5 VA	10 VA

Reset

Reset to zero or to preset - From front panel : if not protected in programming phase.
- Electrical : by contact, voltage or solid-state device (NPN or PNP).

Minimum pulse time : 5 ms.
Impedance : 10 KΩ
Low level : 0 to 1 V ⎓
High level : 4 to 30 V ⎓
Scale factor : 00.0001 to 99.9999
Decimal point : XXXXXX, XXXXX.X, XXXX.XX or XXX.XXX or XX.XXXX
Sensor supply : version ~ : 12 VDC (± 2 V from 30 mA to 100 mA)
version ⎓ : Un - 2 V / 100 mA (Un : supply voltage)

Solid-state output NPN

Maximum current : 100 mA
Maximum voltage : 40 VDC
Maximum response time : 250 µs

Relay output

7X41 : 1 changeover relay - 1RT
7X42 : 2 changeover relay - 2RT
Current rating : 2 A
Minimum current : 100 mA
Output modes : maintained or pulsed (t = 500 ms)
Single shot or repetitive cycle (immediate auto reset)

Maximum voltage : 250 VAC
Maximum response time : 10 ms
Number of operations : 10^5 min. (in AC1 1800 op./H)

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