› Electronic Counters
Impulse Counter
CTR24

- › Display: 8-digit LCD, height 8 mm
- › Powered by a lithium battery, service life 8 years
- › Counter inputs: voltage (10 → 260 V∿)
- › Reset on panel or external with inhibition option
- › Accessories for 50 x 25 mm cut-out
- › Highly resistant to shocks and impacts
- › Excellent visibility due to the large digit size



CTR24

Product selection			
Model	**Type**	**Functions**	**Part Number**
CTR24 with orange backlighting	**2342**	Voltage input, lithium battery	**87622090**

Accessories	
Description	**Part Number**
Adaptor for 50 x 25 mm cut-out - Fixed with screws	**26546843**
Adaptor for 50 x 25 mm cut-out - Fixed with screws	**26546844**
DIN rail adaptor	**26546840**
Clip-fixing kit (supplied with the product)	**26546848**

General characteristics	
Physical details and protection	
Consumption	Backlighting: 24 V⎓ ± 20 % 50 mA
Connection by 8 screw terminals at rear of casing	●
Connection capacity	1.5 mm²
Fixed using bracket	●
Degree of protection front face	IP 65
Temperature limits use (°C)	-10 →+60
Temperature limits stored (°C)	-20 →+70
Breakdown voltage	According to EN 610110-1: 2000 V/50 Hz/1 min.
Conformity to standards	EN 61000-6-2 - EN 55011 class B
Altitude (m)	2000
Certifications	UL - cULus - CE
Weight (g)	50

You have a project? Contact us on **www.crouzet.com**

Description:

Crouzet Impulse Counters, accurate and durable solutions for pulse measurement needs

Crouzet's electronic impulse counters are reliable devices designed for measuring and recording electrical impulses in industrial applications. Crouzet's impulse counters use a combination of mechanical and electrical components to precisely count electrical pulses, offering a reliable solution for various industrial control and monitoring tasks.

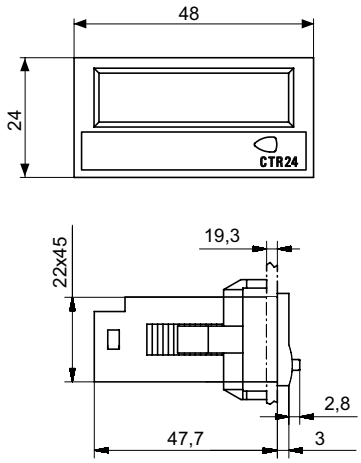
For more information about: please visit **www.crouzet.com**

Operating characteristics	
Function	Impulse counter
Display	8-digit LCD
Height digits (mm)	8
Counting capacity	-9.999.999 → 99.999.999 with elimination of zeros
Input 2342	
1 input for slow counting 2 voltage levels	●
Voltage - Terminals 1-2	10 → 260 V≂
Input impedance (kΩ)	160
Slow counting (Hz)	30
Minimum pulse time (ms)	16
Low level	0 → 2 V≂
High level	10 → 260 V≂
Reset to zero - External 2342	
Voltage - Terminals 2-3	●
Minimum pulse time (ms)	16
Low level	0 → 2 V≂
High level	10 → 260 V≂
Reset to zero - Panel	
Reset via	Inhibited: Terminals 4-6 not connected Active: Terminals 4-6 connected
Supply	
1 lithium battery - Life (years)	8

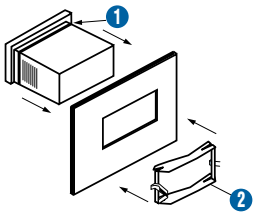
Dimensions (mm)

Panel Mounted

CTR24

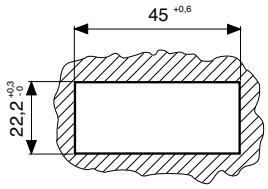


Fixing strip with clip-on yoke

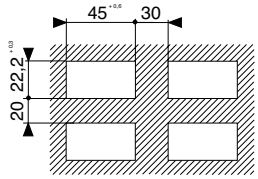


1 Seal
2 Fixing yoke

Panel Cut-out



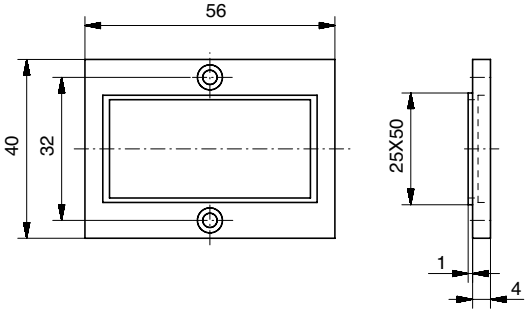
4 appliances



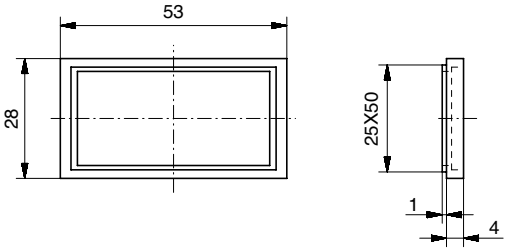
Accessories

Accessory supplied with the counter

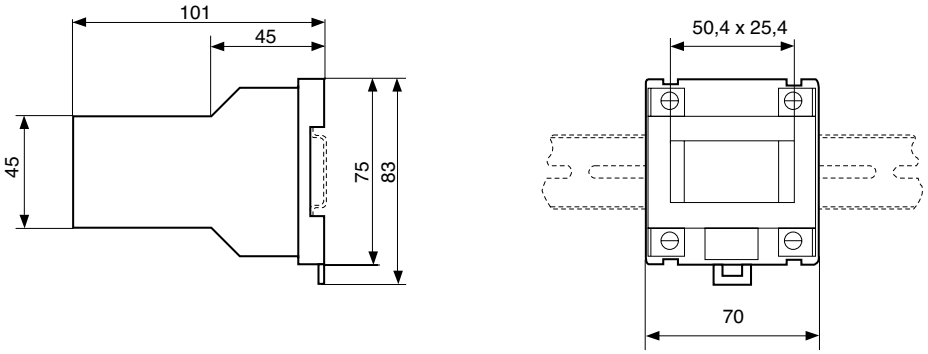
26546843 - Adaptor for 50 x 25 mm cut-out - Fixed with screws



26546844 - Adaptor for 50 x 25 mm cut-out - Fixed with clips

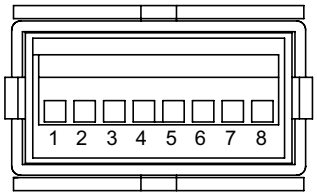


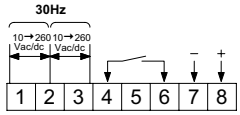
26546840 - DIN rail adaptor



Connections

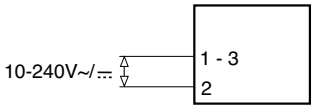
2342



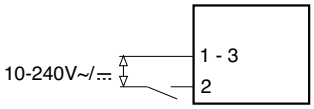


1. Fast count
2. AC/DC common
3. Reset input 12 ms
4. Enable panel reset
5. NC
6. 0 V common/ (BL- only 23xx)
7. Backlighting option (only 2342)
8. Backlighting option + 24 V⎓ (only 2342)

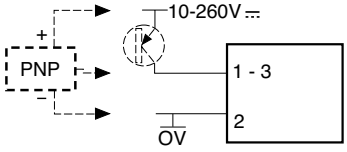
Counter or reset input - Voltage



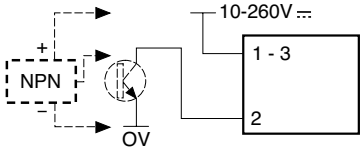
Counter or reset input - Contact supplied with power



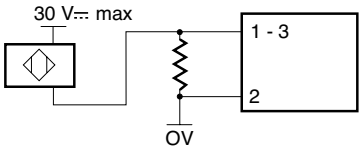
Counter or reset input PNP Transistor or 3-wire PNP proximity sensor (for leakage current detector < 1 mA)



Counter or reset input NPN Transistor or 3-wire PNP proximity sensor (for leakage current detector < 1 mA)



Start/Stop or reset input: 2-wire proximity sensor R=470 ö/2 W for 2-wire leakage current detector ≤ 1 mA



Warning:

The product information contained in this catalogue is given purely as information and does not constitute a representation, warranty or any form of contractual commitment. Crouzet and its subsidiaries reserve the right to modify their products without notice. It is imperative that we should be consulted over any particular use or application of our products and it is the responsibility of the buyer to establish, particularly through all the appropriate tests, that the product is suitable for the use or application. Under no circumstances will our warranty apply, nor shall we be held responsible for any application (such as any modification, addition, deletion, use in conjunction with other electrical or electronic components, circuits or assemblies, or any other unsuitable material or substance) which has not been expressly agreed by us prior to the sale of our products.