› Electronic Counters
Impulse Counter
CTR24

- Display: 8-digit LCD, height 8 mm
- Powered by a lithium battery, service life 8 years
- Counter inputs: solid state (4-30 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 non-baclkit	**2241**	Solid state input, lithium battery PNP/NPN	**87622061**

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

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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.

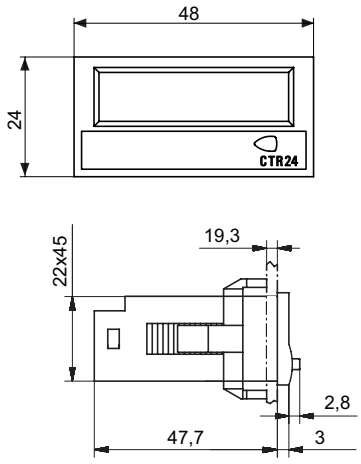
For more information about: please visit **www.crouzet.com**

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 2241	
1 slow counting input for contact closure on NPN opencollector transistor input (terminals 2-6)	●
1 input for high speed counting signal from voltage level (terminals 1-6)	4 → 30 V⎓
Low level	0 → 0.7 V⎓
High level	4 → 30 V⎓ PNP
High-speed counting	12 K Hz max. 42 µs PNP
Input impedance	100 kΩ PNP
Reset to zero - 2241	
Volt-free contact or open collector (terminals 3-6)	●
Reset to zero - Panel	
Reset via	Inhibited: Terminals 4-6 not connected Active: Terminals 4-6 connected
Supply	
1 lithium battery - Life (years)	8

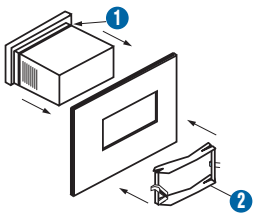
Dimensions (mm)

Panel Mounted

CTR24

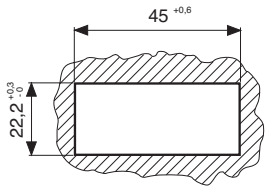


Fixing strip with clip-on yoke

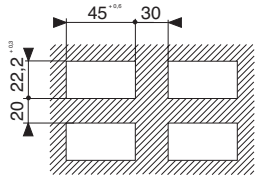


1. Seal
2. Fixing yoke

Panel Cut-out

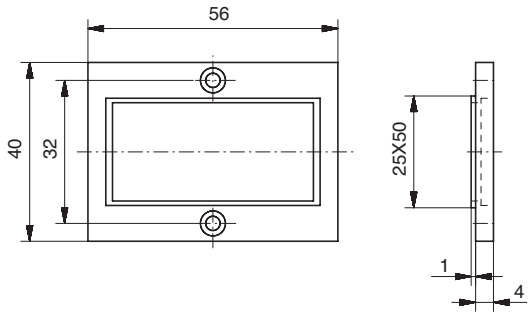


4 appliances

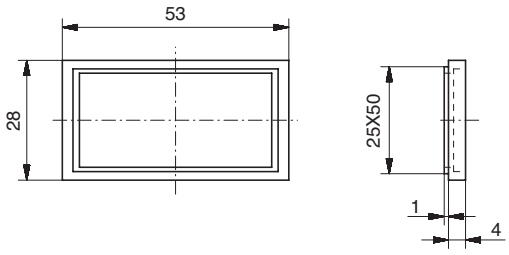


Accessories

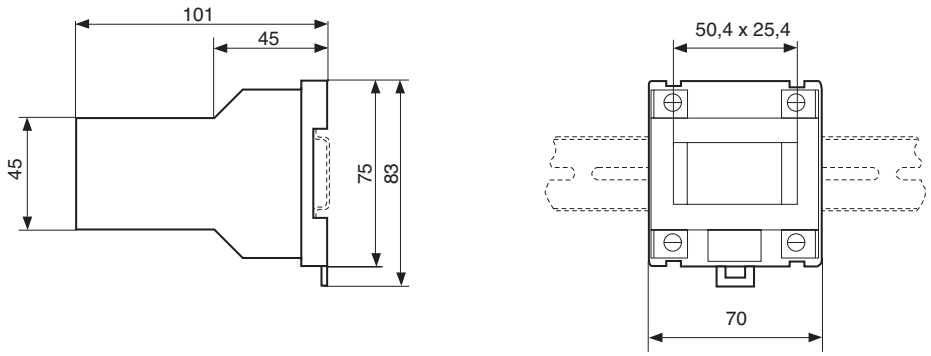
26546843 - Adaptor for 50 x 25 mm cut-out - Fixed with screws



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



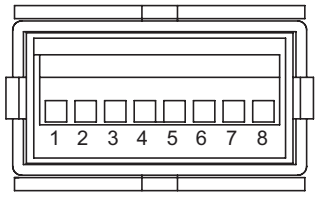
26546840 - DIN rail adaptor

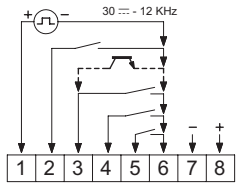


Accessory supplied with the counter	-

Connections

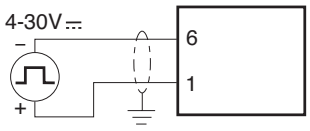
2241



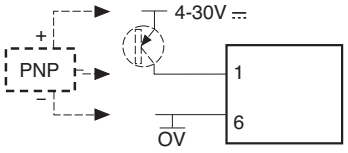


1. Fast count
2. Slow count
3. Reset input 12 ms
4. Enable panel reset
5. Mode 1 (count selection)
6. 0 V common/ (BL- only 23xx)
7. Backlighting option (only 2341)
8. Backlighting option + 24 V⎓ (only 2341)

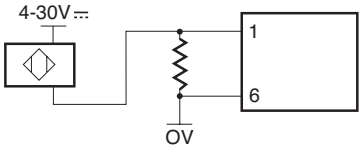
PNP fast count input - Voltage



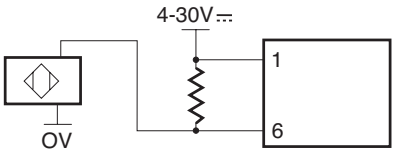
PNP fast count input Transistor or 3-wire PNP proximity sensor (for leakage current detector ≤ 1 mA)



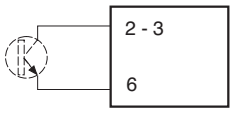
2-wire proximity sensor fast count input



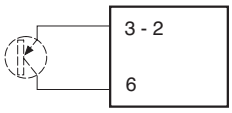
2-wire proximity sensor fast count input



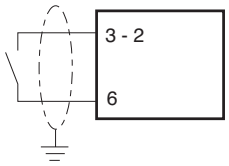
Slow count input (2) or reset input (3)



Slow count input (2) or reset input (3)



Slow count input (2) or reset input (3) - Contact not supplied with power



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