

# › 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 $\sim$ )
- › 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 $\sim$ $\pm$ 20 % 50 mA
Connection by 8 screw terminals at rear of casing	•
Connection capacity	1.5 mm <sup>2</sup>
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](http://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](http://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 <sub>~</sub>
Input impedance (kΩ)	160
Slow counting (Hz)	30
Minimum pulse time (ms)	16
Low level	0 → 2 V <sub>~</sub>
High level	10 → 260 V <sub>~</sub>

**Reset to zero - External 2342**

Voltage - Terminals 2-3	•
Minimum pulse time (ms)	16
Low level	0 → 2 V <sub>~</sub>
High level	10 → 260 V <sub>~</sub>

**Reset to zero - Panel**

Reset via	Inhibited: Terminals 4-6 not connected Active: Terminals 4-6 connected
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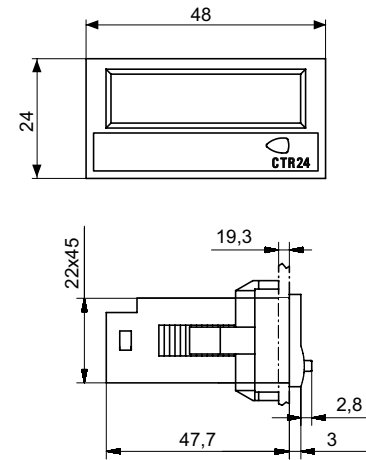
**Supply**

1 lithium battery - Life (years)	8
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**Dimensions (mm)**

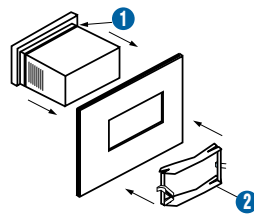
**Panel Mounted**

**CTR24**

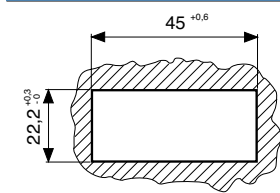


- ① Seal
- ② Fixing yoke

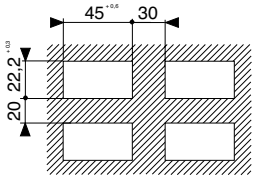
**Fixing strip with clip-on yoke**



**Panel Cut-out**



4 appliances

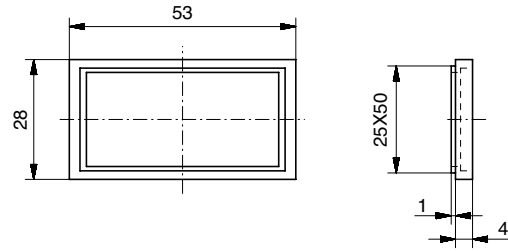
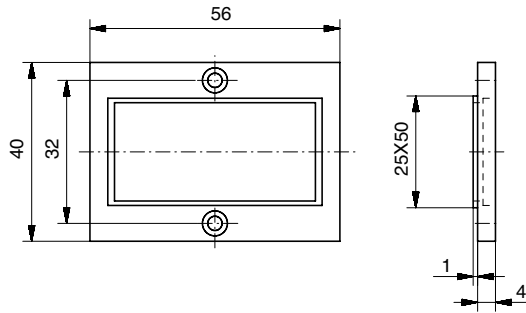


Accessories

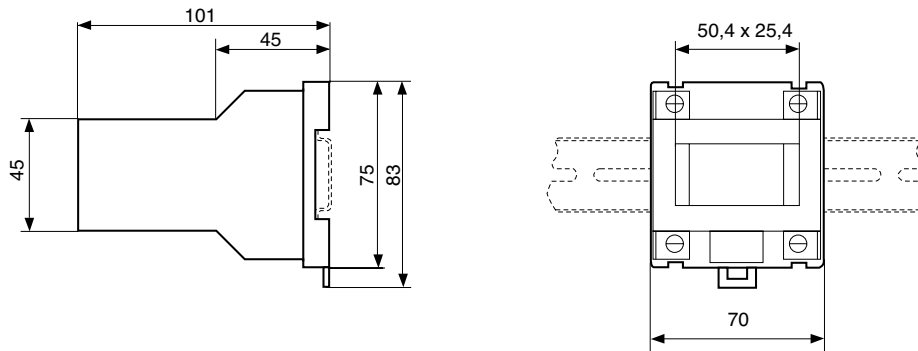
Accessory supplied with the counter

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

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

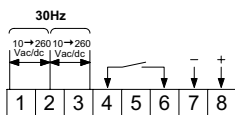
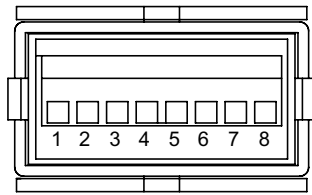


26546840 - DIN rail adaptor



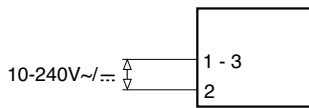
Connections

2342

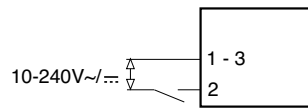


- 1 Fast count
- 2 AC/DC common
- 3 Reset input 12 ms
- 4 Enable panel reset
- 5 NC
- 6 0 V common/ (BL- only 23xx)
- 7 Backlighting option (only 2342)
- 8 Backlighting option + 24 V $\overline{\text{DC}}$  (only 2342)

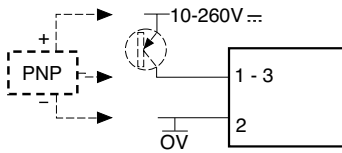
**Counter or reset input - Voltage**



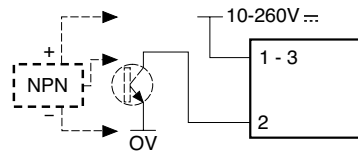
**Counter or reset input - Contact supplied with power**



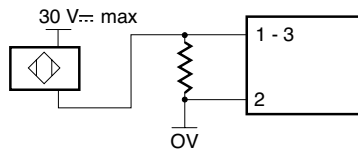
**Counter or reset input PNP Transistor or 3-wire PNP proximity sensor (for leakage current detector < 1 mA)**



**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 Ω/2 W for 2-wire leakage current detector ≤ 1 mA**



**Warning:**

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