› Electronic Counters
2 Inpulses Counters
CTR24L

- › High brightness display: 6-digit LED, height 8 mm
- › Maximum input frequency 50 k Hz
- › Counter with 2 separate totalizers and a common input (INPA)
- › Reset on panel or external with inhibition option
- › Supply: 10 → 30 V⎓
- › Easy to program
- › Scaling factor
- › Decimal point
- › Accessories for 50 x 25 mm cut-out
- › Highly resistant to shocks and impacts
- › Excellent visibility due to the large digit size



CTR24L

Product selection			
Model	**Type**	**Functions**	**Part Number**
CTR24L	**2514**	Counter with 2 separate totalizers and a common input	**87623573**

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	10 → 30 V⎓ max 55 mA with protection against polarity reversal
Connection by 5 screw terminals at rear of casing	●
Connection capacity	1.5 mm²
Fixed using bracket	●
Degree of protection front face	IP 65
Data memory	EEPROM
Temperature limits use (°C)	-20 →+55
Temperature limits stored (°C)	-25 →+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.

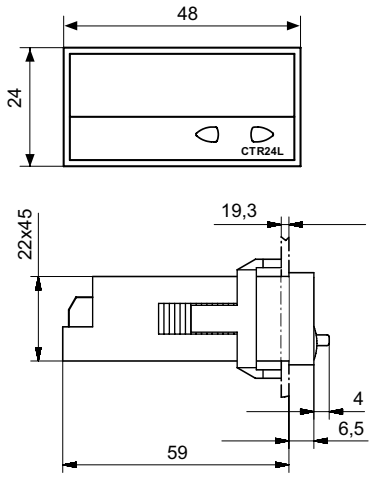
For more information about: please visit **www.crouzet.com**

Operating characteristics	
Function	Counter with 2 separate totalizers and a common input
Display	6-digit LED
Height digits (mm)	8
Input specifications	
Inputs	1 counter input (INPA), 1 reset input
Low level	0 → 0.2 x Ub VDC
High level	0.6 x Ub → 30 V⎓
Cyclical ratio	Any (maximum frequency given for a cyclical ratio = 1/1) Schmitt trigger input
Polarity	NPN or PNP for all inputs (programming)
Minimum impulse duration for reset (ms)	5
Frequency of filtered input (Hz)	Filter active: 30 Filter disabled: maximum frequency (programming)
Input impedance (kΩ)	Appr.5
Compteur d'impulsions (Partiel - Totalisateur)	
Display details	0 →999 999
Display	When the buttons are pressed, the counter displays the following values: Total 1 Total 2
Elimination of non-significant zeros	●
Counting input modes	INPA input counting
Inputs INPA	Dynamic
Reset input (terminal 5)	Dynamic Reset input connected in parallel with the red SET/RESET button
Reset to zero - Panel	If not locked during programming
Remise à zéro - Externe (borne 5)	If not locked during programming
Scale factor	1 → 99.9999 (separate for A and B)
Scaling factor	1 → 99.9999 (separate for A and B)
Decimal point	0 0.0 0.00 0.000
Maximum counting frequency	50 k Hz

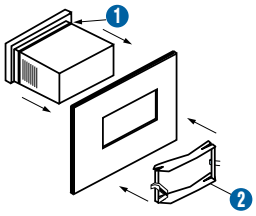
Dimensions (mm)

Panel Mounted

CTRL24

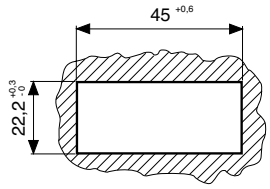


Fixing strip with clip-on yoke

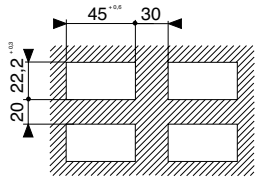


1 Seal
2 Fixing yoke

Panel Cut-out

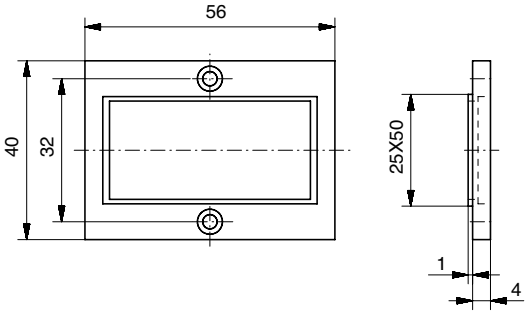


4 appliances

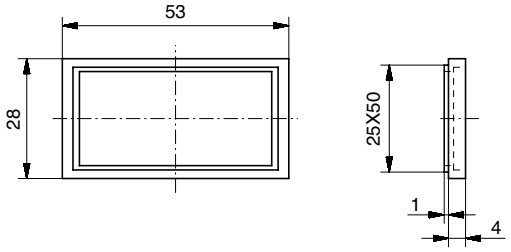


Accessories

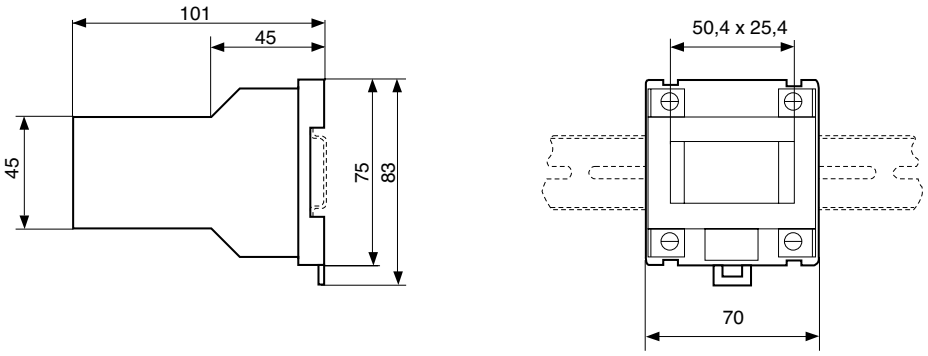
26546843 - Adaptor for 50 x 25 mm cut-out - Fixed with screws



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



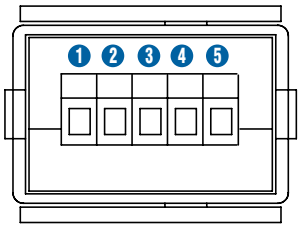
26546840 - DIN rail adaptor



Accessory supplied with the counter

Connections

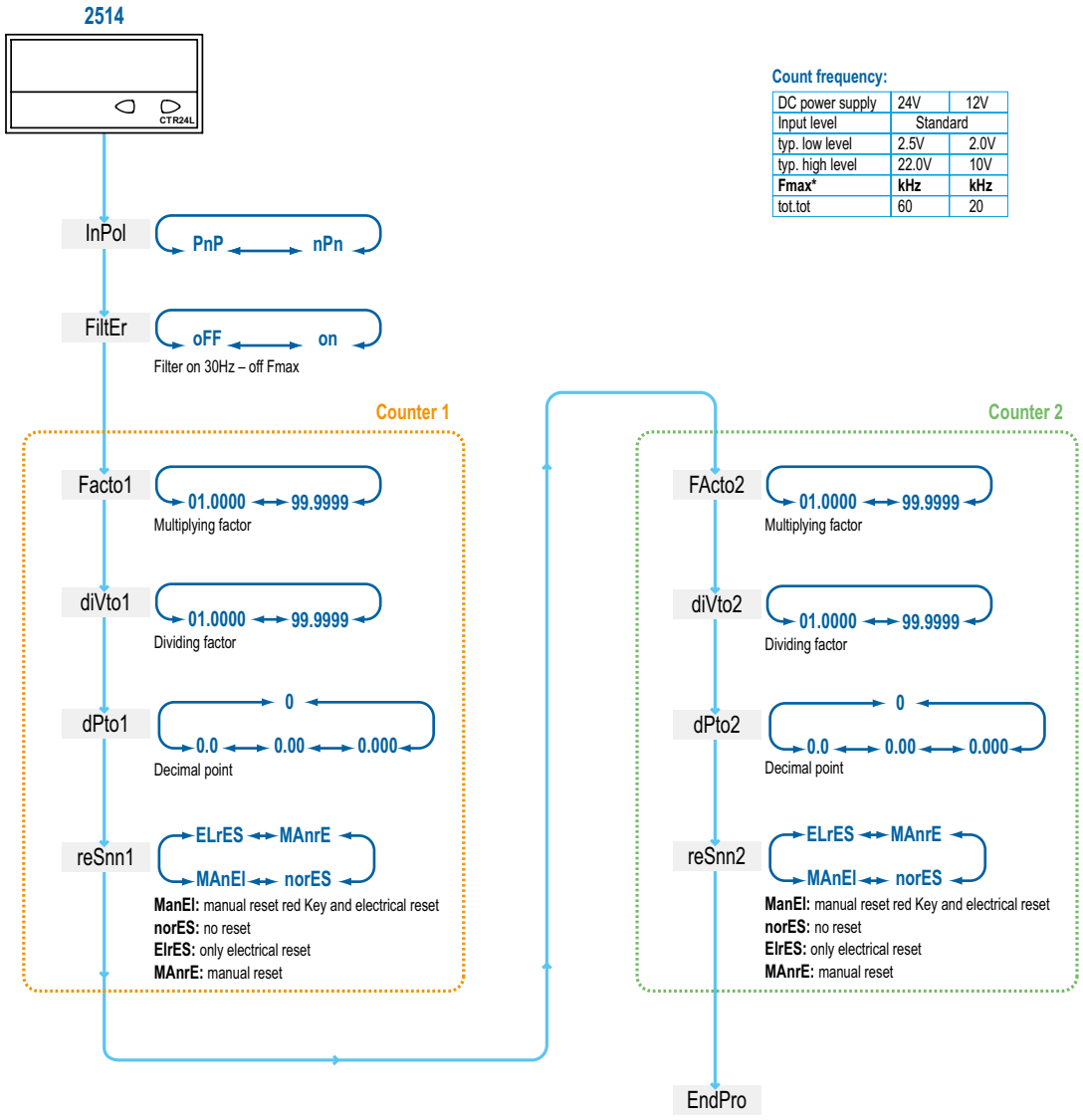
2514



1. Supply: 10 →30 V⎓
2. Supply: GND (0 V⎓)
3. INPA
4. NC
5. SET/RESET

Applications

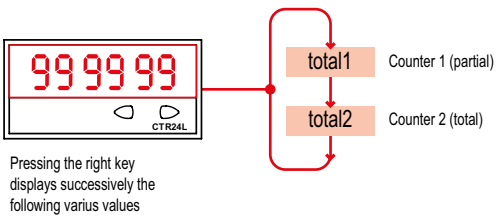
Programming diagram



Count frequency:

DC power supply	24V	12V
Input level	Standard	
typ. low level	2.5V	2.0V
typ. high level	22.0V	10V
Fmax*	**kHz**	**kHz**
tot.tot	60	20

SELECTION OF THE DISPLAYED VALUE



Pressing the right key displays successively the following varius values

Warning:

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