

Product data sheet

Specifications



total/partial impulse counter - LCD 8 digit display - 24x48mm - 100 Hz

RC87610240

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

Main

Range of Product	Zelio Count
Product or Component Type	Total/partial counter
Display Type	LCD
Size	24 x 48 mm
Display digits	8
Counting frequency	100 Hz 14 Hz
Reset	Manual Transistor Volt-free contact Voltage
Counting capacity	0...99 999 999
Technology Type	Electronic

Complementary

Counting input type	Solid state
Battery life	5 year(s) 1 lithium battery)
Minimum closing response time	40 ms input 40 ms reset
Minimum pulse duration	0.005 s high level fast counting) 0.005 s low level fast counting) 0.035 s high level slow counting) 0.035 s low level slow counting)
Material	Self-extinguishing
Mounting Support	Panel mounting
Fixing Mode	By yoke
Connections - terminals	6 screw terminals back of the device)
Clamping Connection Capacity	2 x 1.5 mm²
Supply	Internal battery
Discrete input type	NPN or PNP
Height	0.9 in (24 mm)
Net Weight	0.13 lb(US) (0.06 kg)
Width	1.9 in (48 mm)

Environment

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Standards	IEC 664
	IEC 255-4
	IEC 255-5
	IEC 48
	IEC 801-4
	IEC 801-2
	VDE 0110
Product Certifications	cULus
	CSA
IP degree of protection	IP66 front panel)
Ambient Air Temperature for Operation	14...131 °F (-10...55 °C)
Ambient Air Temperature for Storage	-4...158 °F (-20...70 °C)

Ordering and shipping details

Category	22370-RE, RM MISC TIMERS & COUNTERS
Discount Schedule	CP2
GTIN	00785901709862
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Substances	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer

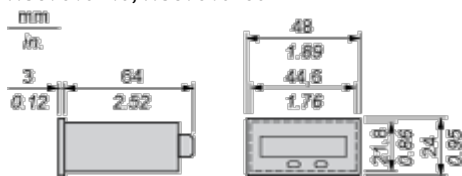
Lifetime extension	
Repair	No

Dimensions Drawings

Electronic Total/Partial Impulse Counters

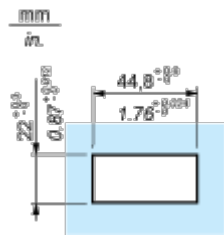
Dimensions

RC87610240, RC87610250

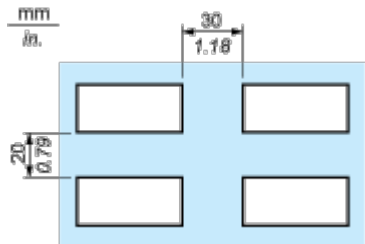


Panel Cut-out (Max. Thickness: 10 mm / 0.39 in.)

1 unit



4 units

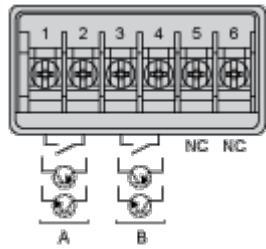


Connections and Schema

Terminals of Electronic Total/Partial Impulse Counters

Solid State Input

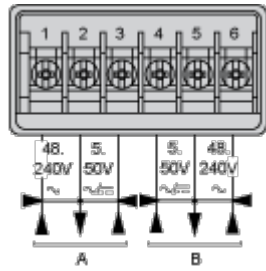
RC87610240



- 1: General reset input
- 2: General reset common
- 3: Count common
- 4: Counting
- 5: Not connected
- 6: Not connected
- A: General reset inputs
- B: Counting inputs

Voltage Input

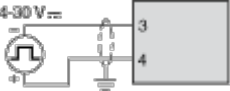
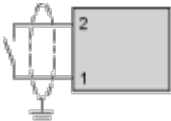
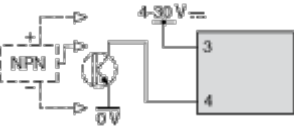
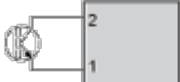
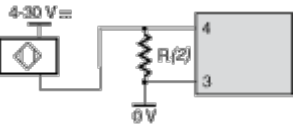
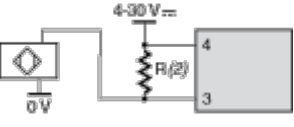
RC87610250



- 1: Reset 48...240 Vac
- 2: General reset common
- 3: Reset 5...50 Vac/Vdc
- 4: 5...50 Vac/Vdc
- 5: Count common
- 6: 48...240 Vac
- A: General reset inputs
- B: Counting inputs

Wiring Diagrams

RC87610240

Description	 Fast Counting Input	 Counting and General Reset Input
Voltage	 NA	NA
Volt-free contact	NA	
NPN transistor or 3-wire NPN proximity sensor (1)	 NA	
PNP transistor or 3-wire PNP proximity sensor (1)	NA	
2-wire proximity sensor	  NA	NA
(1) For sensor with leakage current $\leq 0.1\text{ mA}$ (2) $R = 470\text{ Ohm} / 2\text{ Ohm}$ for a 2-wire sensor with leakage current $\leq 1.5\text{ mA}$		

