

2108 Series Counters



2108
Totalizing Counter.

Mounting Style
Panel Mount

[2108 instructions](#)

Input Power
Battery

Input Type
Contact Closure, NPN Trans.



2108H
Elapsed Time Indicator.

Mounting Style
Panel Mount

[2108H instructions](#)

Input Power
Battery

Input Type
Contact Closure, NPN Trans.

2108 SERIES TOTALIZING COUNTER

- 8 Digit 7mm High LCD Display
- Replaceable Lithium Battery - 8 Year Life
- Compact Size

24 x 48mm (.95" x 1.89") Front Panel

37.5mm (1.48") Depth



GENERAL FEATURES:

The 2108 Series is a totalizing counter housed in a DIN-sized (24 x 48mm) enclosure. The 2108 has an eight digit 7mm high LCD display. The count input (slow speed) and reset input can be by contact closure and by NPN open collector transistor. The high speed input (7 kHz max) requires a 4 to 30 VDC voltage pulse and is compatible with 2 and 3 wire DC proximity switches and encoders. The unit is powered by a 3 volt lithium battery with an eight year life. When changing the battery, the current count value is retained long enough to allow battery replacement without losing the count value. The unit can be set remotely or from the front panel. The front panel reset can be enabled or disabled with jumpering of terminals on back of unit.

SPECIFICATIONS:

Power	Lithium battery, 8 year life
Count Inputs	Contact Closure (slow speed) NPN open collector (slow speed) Voltage input (high speed)
Low Speed	40 Hz
Minimum Pulse	12 ms
Current Consumption	52 µA max.
Leakage Current	0.2 µA max.
Residual Voltage	0.4 V max.
High Speed	7 kHz max.
1 State	4 to 30 VDC
0 State	0 to 1 VDC
Absorbed current	6 mA at 24 VDC
Reset Remote	Contact Closure NPN open collector 12 ms min.
Reset Pushbutton	Activate with jumper across terminals 2 & 4
Memory	Yes, 1 lithium battery - 8 year life
Protection	Front Panel IP64 Terminal IP20
Connections	Screw terminals 2 x 1.5mm ² capacity
Operating temperature	+32 to 131°F (0 to +55°C)
Storage temperature	-13° to 158°F (-25°C to 70°C)
Weight	2.1 oz. (60g)

CONFORMITY:

Electromagnetic environment

Radiated field	IEC 1000-4-3, level 3, 10 V/M, 26 MHz to 1 GHz
Fast transients	IEC 1000-4-4, level 3, 1 KV
Damped oscillatory wave	IEC 255.4, level 3, 1 KV
Electrostatic discharge	IEC 1000-4-2, level 3, 8 KV

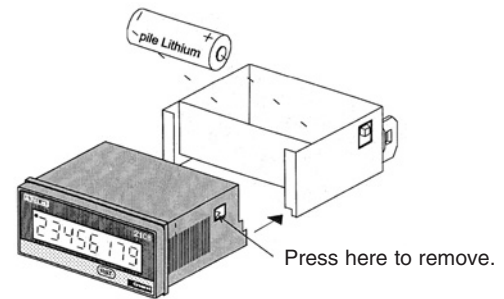
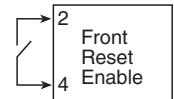
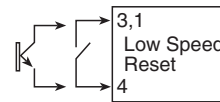
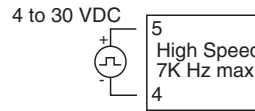
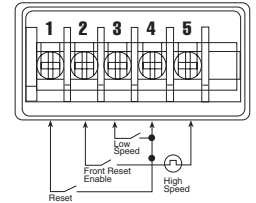
ORDERING INFORMATION:

87 610 340

Products and specifications subject to change without notice.
Consult factory for application assistance.

WIRING:

- 87 610 340
- 1- Reset Input
 - 2- Front Panel Reset Enable
 - 3- Low Speed Input
 - 4- OV
 - 5- High Speed Input



DIMENSIONS: (mm)

