

# 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:

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

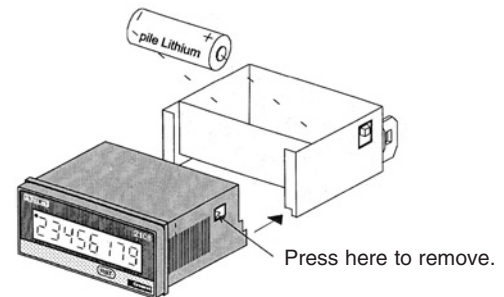
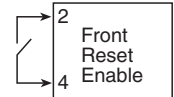
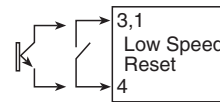
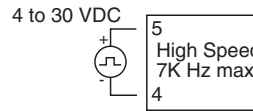
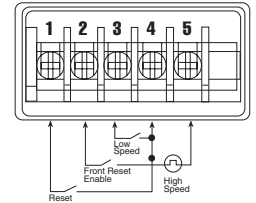
### ORDERING INFORMATION:

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)

