

# ELECTRO•SENSORS

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## AC-D-4M

### 4-Digit Large Display Event Counter.

- Easy-to-see 2.3 inch high LED display.
- Capable of bi-directional counting.
- On-board or remote reset options.
- 5000 hour memory — retains count.
- Simple installation — shelf mount.
- Sensor or contact closure input.
- 12 Vdc sensor power supply built in.
- Accepts up to 300 Hz sensor input.



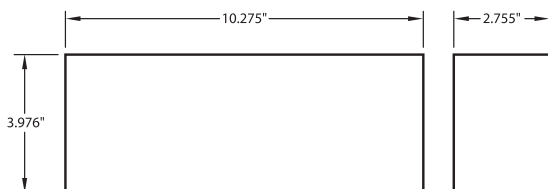
## Product Information

### Description

The **AC-D-4M** is a 4 digit large display event counter that features bright 2.3 inch high LEDs easily viewable from up to 100 feet away. The counter can receive pulse inputs from Hall-effect, photoelectric and proximity sensors, encoders or contact closures. One pulse input on the counter increments the display by one count. A 12 Vdc sensor power supply is available on the back terminal strip of the counter. Input rates are 300 Hz for sensors and encoders, and 30 Hz for contact closures.

The **AC-D-4M** can be reset on the terminal strip by wiring a momentary contact closure. To apply an external reset switch, wire a momentary contact between Terminal 6 (Reset In) and Terminal 7.

### Dimensional Drawings



### Specifications • AC-D-4M Large Display Counter

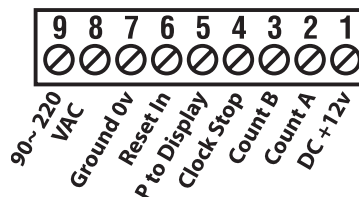
#### General Specifications

Number of digits .....	Four
Display Size .....	2.3 Inch, 7-Segment LED
Power .....	115 vac, 220 vac
Voltage Variation .....	±15%
Power Consumption .....	13 VA
Reset .....	Back Panel or Remote
Memory .....	5000-Hour non-powered
Count Input Speed .....	Contact Closure: 30Hz Sensor: 300Hz
Sensor Power .....	+ 12Vdc, 30 mA
Housing Material .....	Aluminum
Mounting .....	Shelf Mount
Environmental .....	Temp: -10°C to +60° C Humidity: 45% to 85% RH
Shipping Weight .....	7 lb.

### AC-D-4M Switches

A	B	C	D
30	1200	Up	Up/Down
CPS	CPS	Counting	Counting

### Wiring Instructions



1. AC power source terminals 8, 9.
  2. Contact input terminals 2, 7.
  3. NPN non-contact input terminals 1, 2 and 7.
  4. Remote reset terminals 6, 7.
  5. P to display terminals 5, 7.
  6. Remote count stop terminals 4, 7.
  7. Relay 1 output terminals 10, 11, 12 (41, 61 & 42M)
  8. Relay 2 output terminals 13, 14, 15 (42M).
- Note: Connect a 1-2 K ohm resistor between 3 and 7 as signal input in PNP mode.

Specifications subject to change without notice.