

ENM's Series L7 series AC/DC pulse counter features a 6 digit LCD display with latest CMOS circuitry that achieves a quiescent current consumption of less than  $5\mu\text{A}$ . This model is designed for ultra-high counting speeds of up to 10KHz. An optional model is a bi-directional counter with equal speed in either direction.

Mounting can be PCB or panel mounted with supplied bezel. This counter can also be configured to count electro-mechanical events using an external resistor and capacitor. Similarly the supply voltage can be increased using an external resistor and a 3V Zener diode.

**SPECIFICATIONS:**

**Weight:**  
7.5 grams

**Supply Voltage:**  
2.6 - 3.4 VDC

**Current Consumption:**  
 $5\mu\text{A}$  -  $10\mu\text{A}$  or less.

**Display:**  
6 digit black LCD 6mm characters.

**Count Range:**  
999999 with rollover to 0.

**Count Input:**  
100 Hz - 10,000 Hz, 0.7 threshold,  $50\mu\text{S}$  min. pulse length.

**Reset Input:**  
Negative edge triggered, 0.7 V threshold, 15 ms min. pulse

**Direction Input (L7BS model):**  
Add = logic 1, Subtract = logic 0

**Mounting:**  
PCB mount or panel mount with two-piece bezel (included).

**Operating Temperature:**  
 $-10^{\circ}\text{C}$  TO  $+60^{\circ}\text{C}$  ( $15^{\circ}\text{F}$  TO  $140^{\circ}\text{F}$ )

**CE** APPROVAL CONFORMS WITH THE PROTECTION REQUIREMENTS OF COUNCIL DIRECTIVE 89/336/EEC, AMENDED BY 92/31/EEC AND 93/68/EEC RELATING TO ELECTROMAGNETIC COMPATIBILITY.

**FEATURES:**

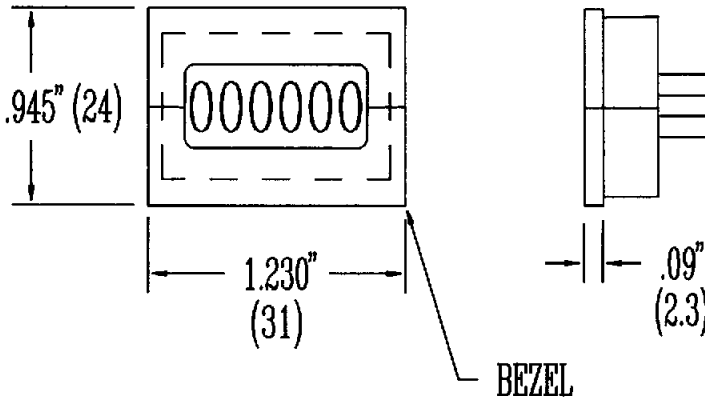
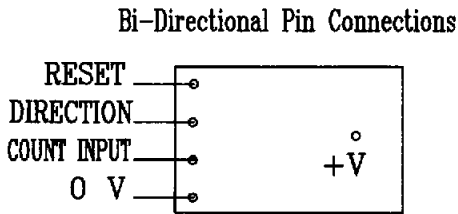
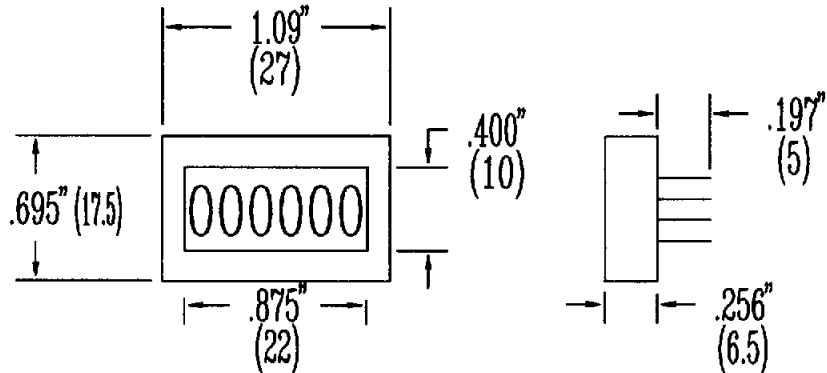
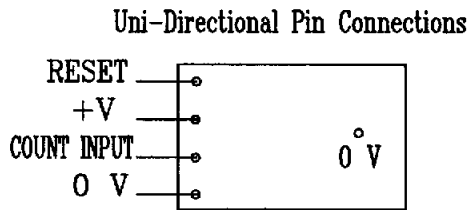
- Useful for position, length, and distance measuring applications.
- 6-digit, 6 mm black character high contrast LCD display.
- Counting speeds up to 10 KHz in two directions.
- Direct PCB mounting where limited space is available.
- Ideally suited for portable, low power or battery applications.
- UL recognized and CSA approved.

©1994 ENM Co.



ENM Company  
5617 Northwest Highway  
Chicago, IL 60646-6135  
Phone:  
(312) 775-8400

**Fax:**  
**(312) 775-5968**



Panel Cutout: 1.157" x .866" (29.4 mm x 22.0 mm)

(All dimensions in parenthesis are in mm.)

## ORDERING INFORMATION

| Description                                       | Part Number |
|---|-------------|
| Uni-Directional Counter (PCB Mount without bezel) | L7A         |
| Bi-Directional Counter (PCB Mount without bezel)  | L7AS        |
| Uni-Directional Counter (Bezel Supplied)          | L7B         |
| Bi-Directional Counter (Bezel Supplied)           | L7BS        |

### Limited Warranty

ENM Company products on this page are warranted to the consumer to be free from defects in material and workmanship for a period of 1 year. All ENM products which fall within the warranty period due to defects in material or workmanship will be repaired or replaced, at ENM's option, without charge to the consumer when returned with proof of purchase to any authorized ENM dealer in the United States, transportation charges prepaid, provided there is no evidence of improper installation, tampering, or other abuse. All implied warranties, including any implied warranty of merchantability or fitness for a particular purpose, shall be limited in duration to the express warranty period specified above. ENM disclaims any liability for consequential damages due to breach of any written or implied warranty on its products.

©1994 ENM Co.



ENM Company  
 5617 Northwest Highway  
 Chicago, IL 60646-6135  
 Phone:  
 (312) 775-8400

Fax:  
 (312) 775-5968