

The Dynatime® Subminiature Event Counters

FEATURES

- Rugged Design
- Hermetically Sealed
- Qualified to MIL-I-8974
- Ruggedized Models Available

The Electrodynamic subminiature event counters were designed to meet the most difficult requirements of many military and aerospace applications. These rugged counters meet or exceed an array of tough environmental specifications including shock, vibration, temperature and are packaged in a hermetically sealed miniature enclosure. In addition, they have been approved to MIL-I-8794. A variety of mounting configurations are available as shown on pages 56 and 57. We also welcome inquiries for special requirements.

The ruggedized event counters are assembled and filled with a dielectric lubricant that dampens the effects of extreme vibration and thermal shock.

Mechanical Specifications:

Case: Copper Nickel or Brass with flat black face. E and F mounts are nickel-plated case with flat black face.
Max. case length: 1.094 in.

Flange: Steel or Brass

Terminals: Solder Hook

Weight: Standard: Will not exceed 1.0 ounces with C flange.
Ruggedized: Will not exceed 1.5 ounces with C flange.

Numerals: 0.035" wide, .078" high. All digits are white on black.

Electrical Specifications

Dielectric: 500 VRMS @ 80,000 feet

Insulation Resistance: MIL-STD-202, Method 302, Cond.B



Environmental Specifications

Operating Temperature Range: -65 to +125°C

Standard Ratings

Count Rate: 20 counts/second

Thermal Shock: MIL-STD-202, Method 107, Condition B

Shock: MIL-STD-202, Method 213, Condition I

Vibration: MIL-570-202, Method 204, Condition B

Life: One million counts @ 25°C

Ruggedized Ratings

Count Rate: 50 counts/second

Thermal Shock: 5000 hrs. -55 to +125°C

Shock: MIL-STD-202, Method 213, Condition. I

Vibration: 10 - 90 Hz @ .07"DA, 90 - 400Hz @ 30g

Life: 50 million counts @ 25°C

ORDERING INFORMATION

When ordering, show model number first (B), then nominal voltage, case type, maximum counts (4 or 5 digit), mount type and mount setback desired. If this is a special part, customer's modification number will be added at the end of the ordering number. This order chart lists standard features. Other ratings and configurations are also available.
Example: B-16-C8-CE-1

B - 16 - C - 8 - C - E - 1						
Model Number	Nominal Voltage	Case Type	Maximum Hours 4 Digit/5 Digit	Mount Type	Mount Setback	Popular Factory Codes Code: Description
B=Standard	16=26VDC	C=4 Digit Sqr	8=9999/N/A	A = no mount	A = Flush	1 Rotated 90° Type C, C7, V, W Mount
L=Ruggedized	Others Available	G=5 Digit Rect	9=99999.9	Others	B to Z = See Table B	14 4-40 Clinch Nuts, For Type C Mount
		F=6 Digit Rect	6=N/A999999	available, see page 66	Page 66 for "X" Dimension Code desired.	16 Tin-plate
						136 Tin plate frmt mt. Type C, C7, V & W

The Dynatime® Elapsed Time Indicators and Event Counters Standard Cases & Mounts

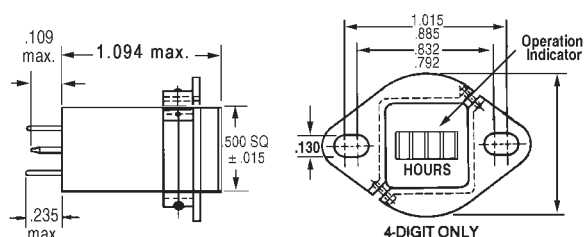


Figure 1. C2 ADJUSTABLE MOUNT

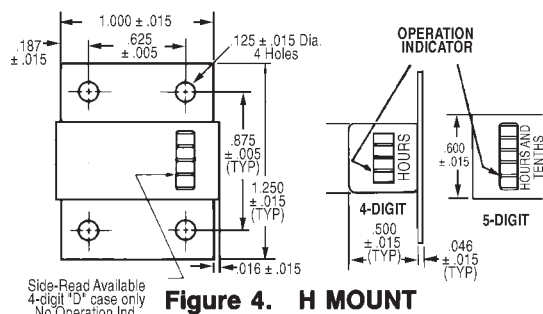


Figure 4. H MOUNT

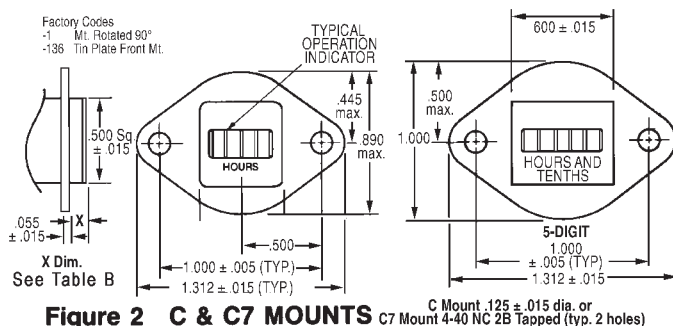


Figure 2 C & C7 MOUNTS C Mount .125 ± .015 dia. or C7 Mount 4-40 NC 2B Tapped (typ. 2 holes)

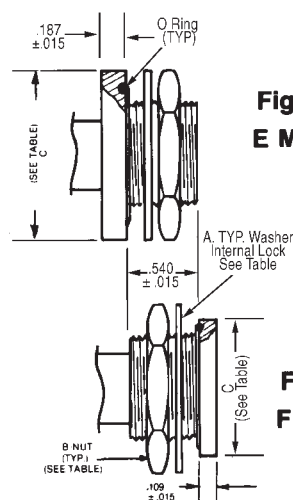


Figure 5. E MOUNT

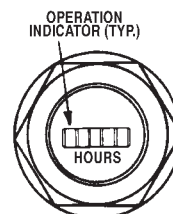


Figure 6. F MOUNT

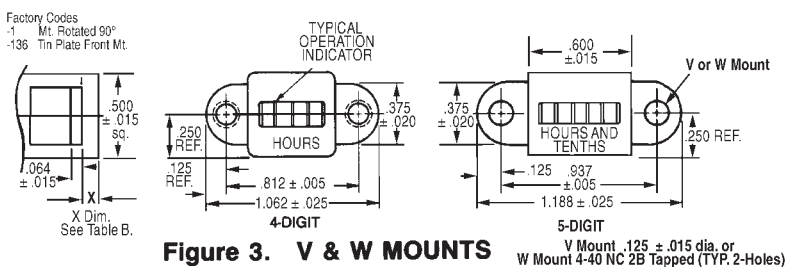


Figure 3. V & W MOUNTS V Mount .125 ± .015 dia. or W Mount 4-40 NC 2B Tapped (TYP. 2-Holes)

	A Max. Dia.	B (Nut)	C ± .015 E Mount F Mount
4 Digit	1.250	3/4"-32 UN	1.250 1.000
5 Digit	1.410	7/8"-20 UN	1.375

Round Cases & Mounts (for ETI only)

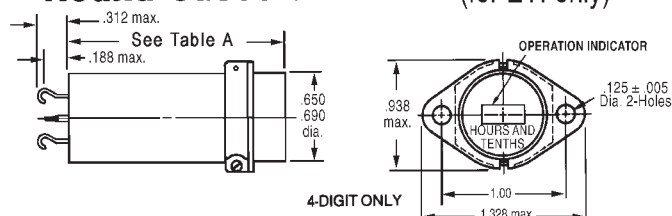


Figure 7. C2 ADJUSTABLE MOUNT

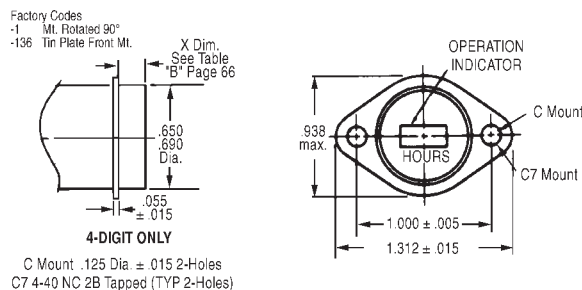
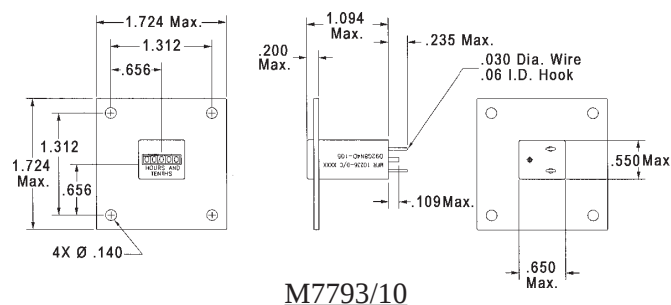
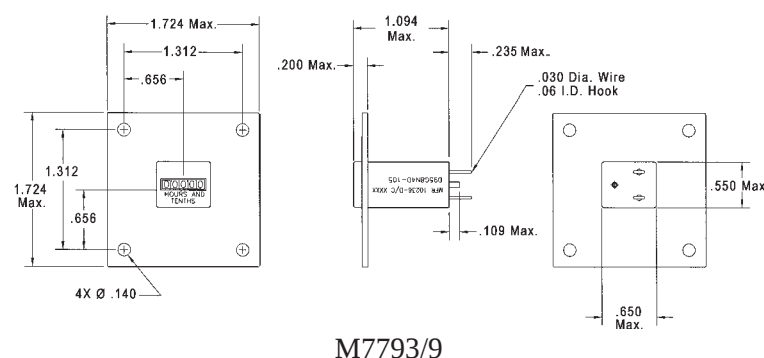
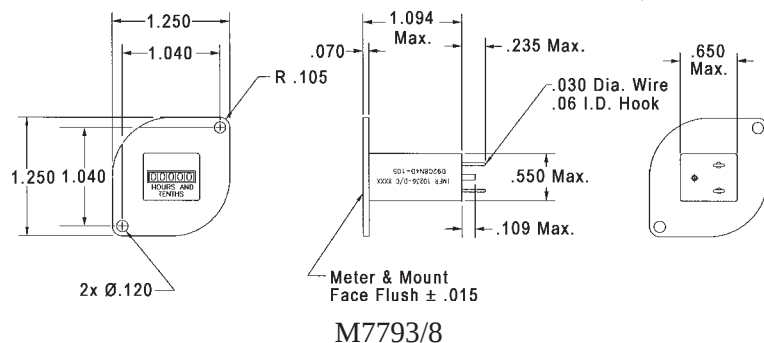


Figure 8. C & C7 MOUNTS

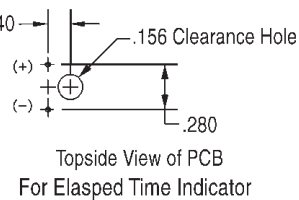
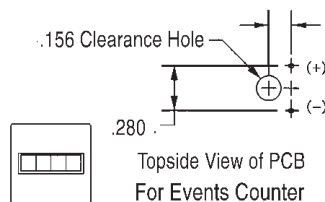
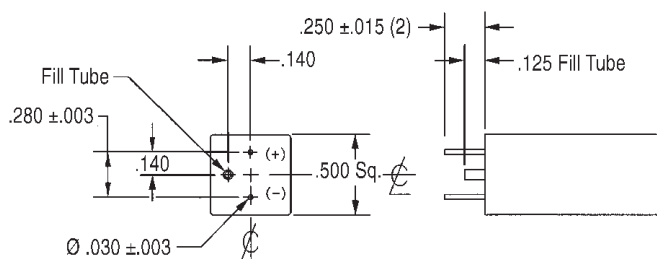
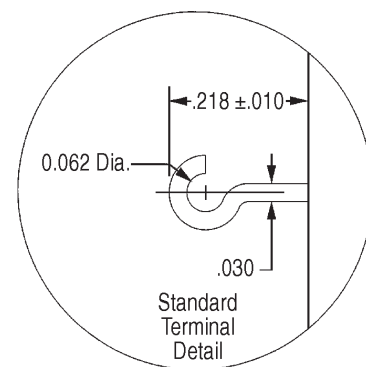
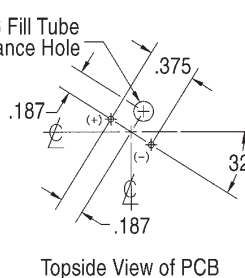
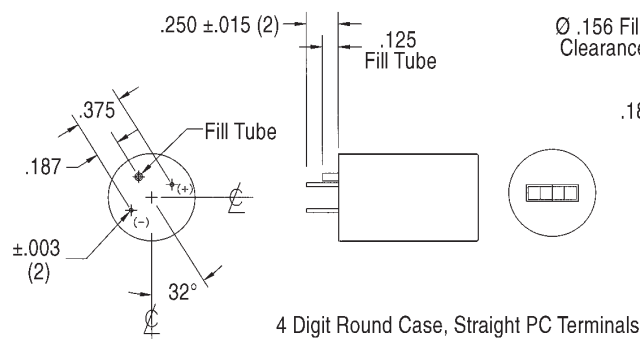
The Dynatime®

Elapsed Time Indicators and Event Counters

Standard Cases & Mounts



Standard and Straight Pin Headers



ELAPSED TIME INDICATORS
EVENTS COUNTERS