



The Dynatime® AC Series Subminiature Elapsed Time Indicators

FEATURES

- Rugged Design
- Hermetically Sealed
- Qualified to MIL-M-7793*



The Dynatime AC meter was developed to meet the most difficult requirements of many military and aerospace applications. Available in 400 Hz and 60 Hz configurations, the recently upgraded Dynatime series meters meet or exceed an array of tough environmental specifications including shock, vibration, and temperature. In addition, it has been approved to MIL-M-7793. A variety of mounting configurations are available as shown on pages 58 and 59. We also welcome inquires for special requirements.

* See the Military Cross Reference for more military qualified models.

Mechanical Specifications

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

Flange: Steel or Brass

Terminal: Solder Hook

Weight: will not exceed 0.6 ounces with C flange.

Numerals: .035"W, .078"H

Hours digits—white on black, Tenths—red on white

Environmental Specifications

Operating Temperature Range: -65 to +125°C

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

Vibration: MIL-STD-202, Method 204, Condition D

Electrical Specifications

The meters meet or exceed applicable requirements of MIL-M-7793 M7793/3, /4, /6, /8, /9, /10 (if QPL'd) MS27650 & 27651. Special ratings and configurations are also available.

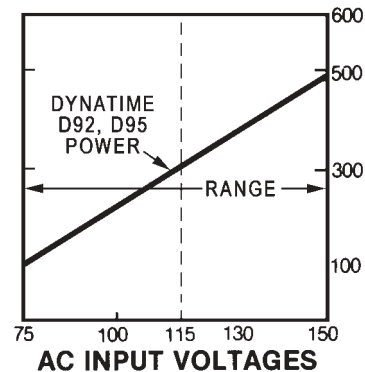
Transient Protect.: As applicable, 180 VRMS up to 0.15 seconds

Dielectric: As applicable to meter standard

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

Accuracy: 0.1% over temperature/voltage range

VOLTAGE/POWER CURVE @ 25°C



ORDERING INFORMATION

When ordering, show model number first (D), then nominal voltage, case type, maximum hours (4 or 5 digit), mount type and mount setback desired. If this is a special part, the factory modification number will be added at the end of the ordering number. This order chart lists standard features. Special ratings and configurations are also available.
Example: D95C8CE

D - 95 - C - 8 - C - E - 16

Nominal Voltage	Case Type	Maximum Hours 4 Digit/5 digit	Mount Type	Mount Setback	Popular Factory Codes Code: Description
25=26V/400Hz	B=4 Digit Rnd	3=999.9/N/A	A=no mount	A=Flush	1 Rotated 90° Type C, C7, V, W Mount
92=115V/60Hz	C=4 Digit Sqr	8=9999/9999.9	Others available, see page 58	B to Z=See Table B for "X", p. 60	14 4-40 Clinch Nuts, For Type C Mount
95=115V/400Hz	D=4 Digit Sqr (Side-Read)	9=N/A/99999		Dimension Code desired	16 Tin-plate front Mt. & Type C Mount
	G=5 Digit Rect				136 Tin-plate front mount Type C (M7793 /1 & /2), C7, V & W



The Dynatime®

Elapsed Time Indicators and Event Counters Standard Cases & Mounts

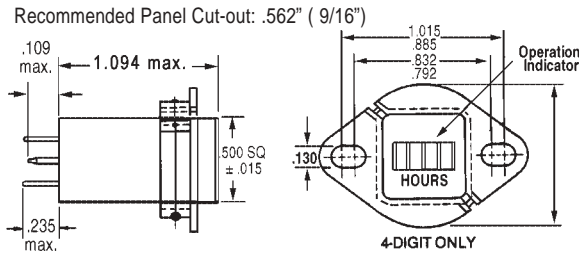


Figure 1. C2 ADJUSTABLE MOUNT

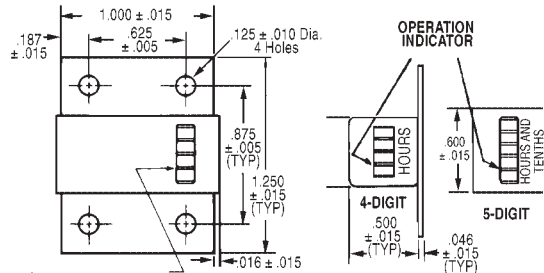


Figure 4. H MOUNT

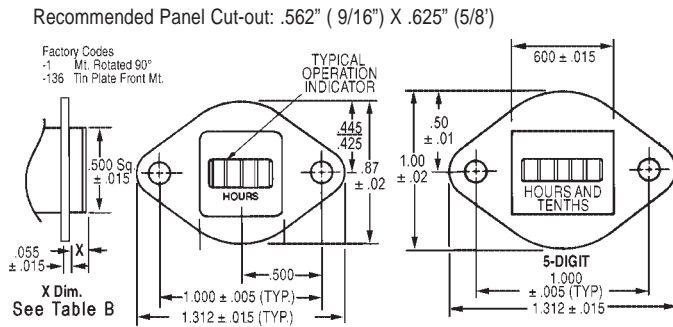


Figure 2 C & C7 MOUNTS

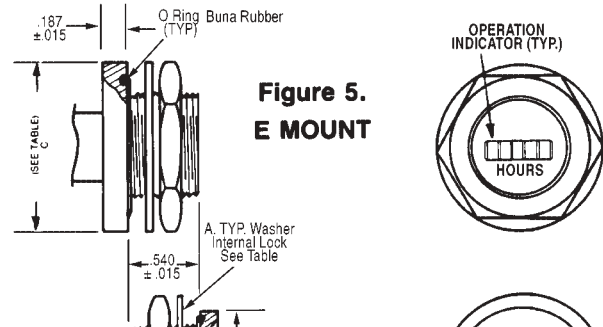


Figure 5. E MOUNT

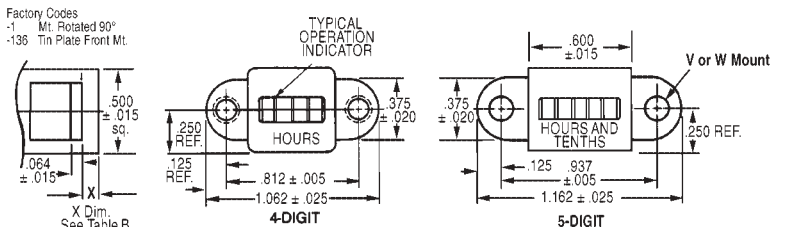


Figure 3. V & W MOUNTS

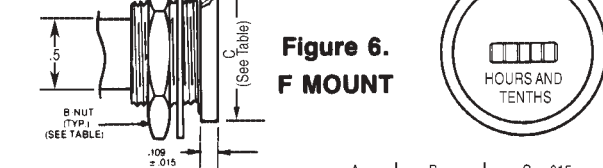


Figure 6. F MOUNT

	A	B	C ± .015
	Max. Dia.	(Nut)	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)

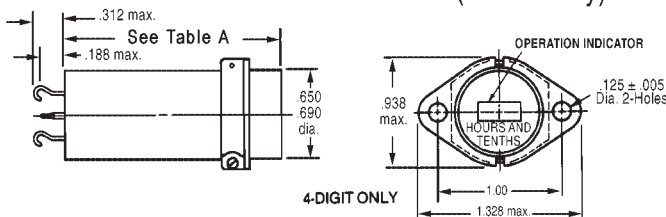


Figure 7. C2 ADJUSTABLE MOUNT

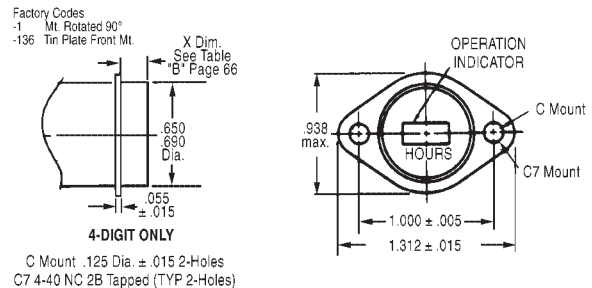


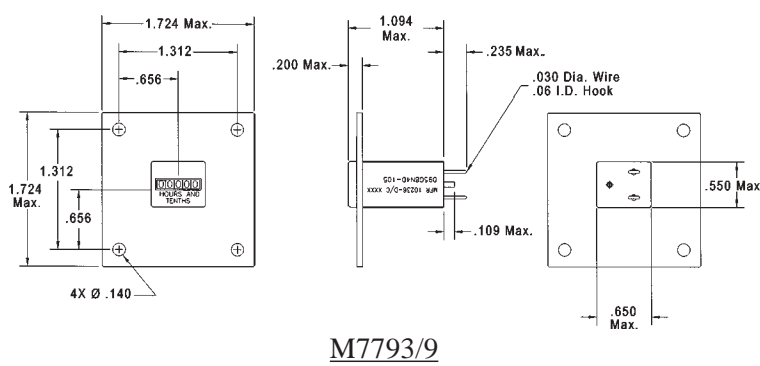
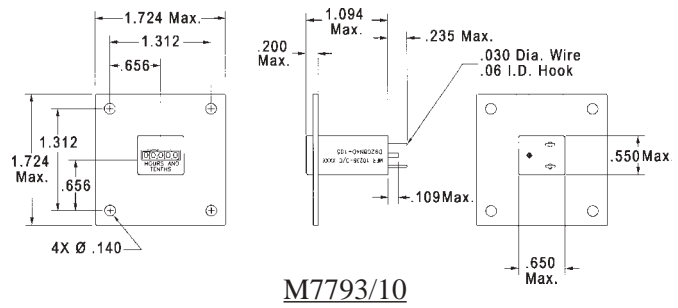
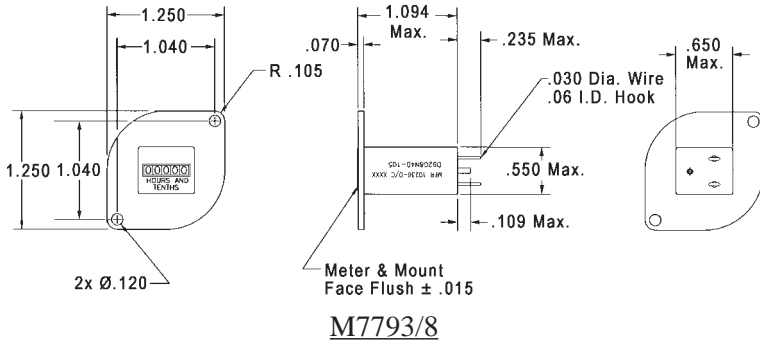
Figure 8. C & C7 MOUNTS

Elapsed Time Indicators & Event Counters

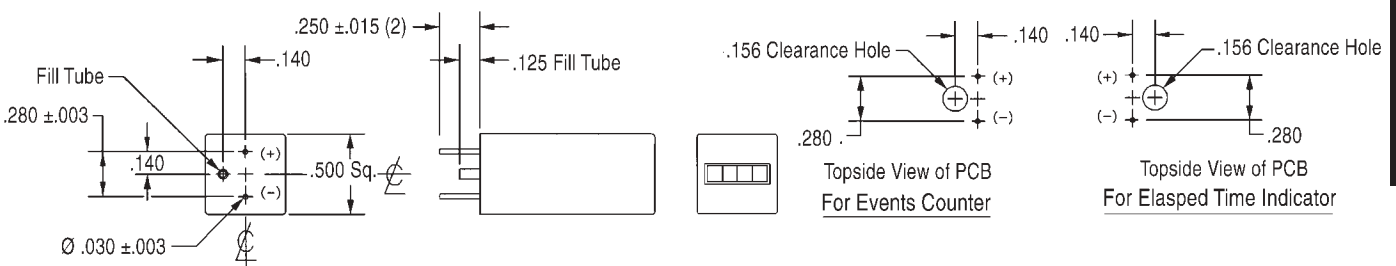
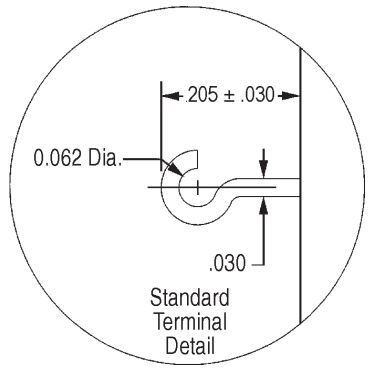
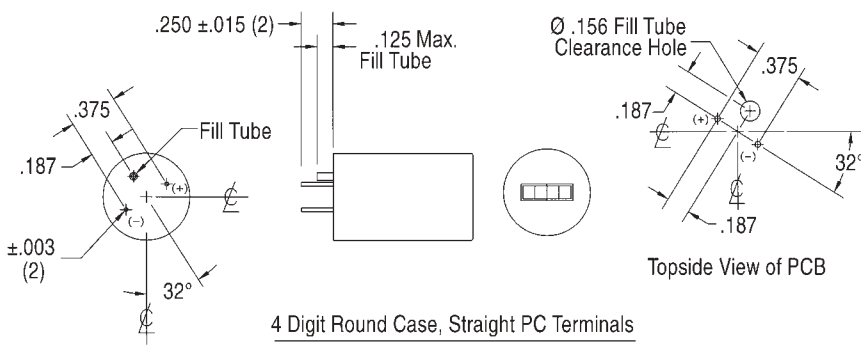
The Dynatime[®]

Elapsed Time Indicators and Event Counters

Standard Cases & Mounts



Standard and Straight Pin Headers



ELAPSED TIME INDICATORS
EVENT COUNTERS



Military Elapsed Time Indicator Guide

Table A
Specifications

Nominal Voltage	Case Length Max. Inches	Electrodynamics Model Number	Fig. No.	Military Number		
		D16C8C*-16	2	M7793/1-XXX		
12 & 28 VDC	1.094 Short	D16C8C2	1	M7793/1-001		
		D16C8A	—	M7793/1-002		
		D16C8C*-136	2	M7793/1-XXX		
		D16B8C2	7	M7793/2-001		
		D16B8A	—	M7793/2-002		
		D16B8C*-136	8	M7793/2-XXX		
	2.082	16B8C2	7	M7793/5-001		
	2.082	16C8C-16	1	M7793/5-002		
		16C8B-16	2	M7793/1-XXX		
	115 VAC 60 Hz	1.094 Short	D92C8C2	1	M7793/3-001	
D92C8A			—	M7793/3-002		
D92C8C*-136			2	M7793/3-XXX		
D92B8C2			7	M7793/4-001		
D92B8A			—	M7793/4-002		
D92B8C*-136			8	M7793/4-XXX		
.765			D95B8C2	7	M7793/6-001	
1.094			D95C8C2	1	M7793/6-002	
115 VAC 400 Hz	1.094 Short	C7*-16	2	MS27651-XXA		
		C7*-1-16	2	MS27651-XXB		
		D95C8 C*-16	2	MS27651-XXC		
		C*1-16	2	MS27651-XXD		
		W*-16	3	MS27651-XXE		
		W*-1-16	3	MS27651-XXF		
		V*-16	3	MS27651-XXG		
		V*-1-16	3	MS27651-XXH		
		26 VAC 400 Hz MS27650	Replace D95 above with D25		Replace MS27651 above with	

Example: **D25C8CE-16 = MS27650-05C**

Table B
Mount Setback Data

M7793/1 to /4 Dash No.	MS21341, 27650, 27651 Dash No.	Setback ± .015 In.	"X" Dim. Code
-003	-01	Flush	A
-004	-02	.031	B
-005	-03	.062	C
-006	-04	.094	D
-007	-05	.125	E
-008	-06	.156	F
-009	-07	.188	G
-010	-08	.219	H
-011	-09	.250	I
-012	-10	.281	J
-013	-11	.321	K
-014	-12	.344	L
-015	-13	.375	M
-016	-14	.406	N
-017	-15	.438	O
-018	-16	.469	P
-019	-17	.500	R
-020	-18	.531	S
-021	-19	.562	T
-022	-20	.594	T-8
-023	-21	.625	U
-024	-22	.656	U-8
-025	-23	.688	V
-026	-24	.719	V-8
-027	-25	.750	W
-028	-26	.781	W-8
		.813	X
		.875	Y
		.938	Z

- Notes: 1. All meter readouts are to 9999 Hours, maximum.
 2. See Table B to select desired "X" Dim. (* in model no.) and corresponding military dash no. (xx & xxx).
 3. "-136" in model no. denotes tin-plated mount face; "-16" is same plus USAF testing; "-1" is mount rotated 90°.