

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 56 and 57. We also welcome inquiries 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.

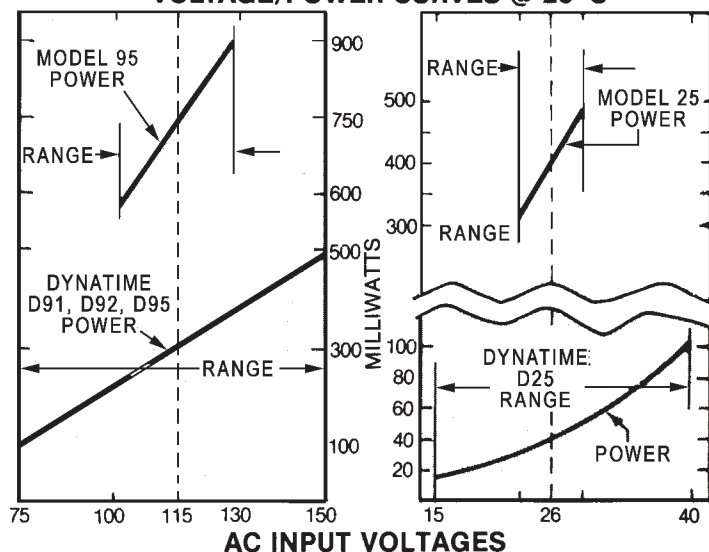
Transient Protect.: As applicable, 180 VRMS up to 0.15 seconds

Dielectric: As applicable to meter standard

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

Accuracy: 0.1% over temperature/voltage range

VOLTAGE/POWER CURVES @ 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	B to Z=See Table B	14 4-40 Clinch Nuts, For Type C Mount
95=115V/400Hz	D=4 Digit Sqr	9=N/A/99999	available,	for "X"	16 Tin-plate front Mt. & Type C Mount
Others Available	(Side-Read)		see page 66	Dimension Code	136 Tin-plate front mount
	G=5 Digit Rect			desired	Type C (M7793 /1& /2) , C7, V & W

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

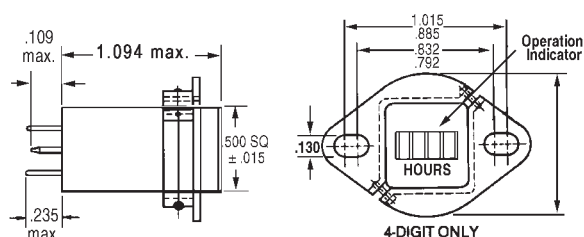


Figure 1. C2 ADJUSTABLE MOUNT

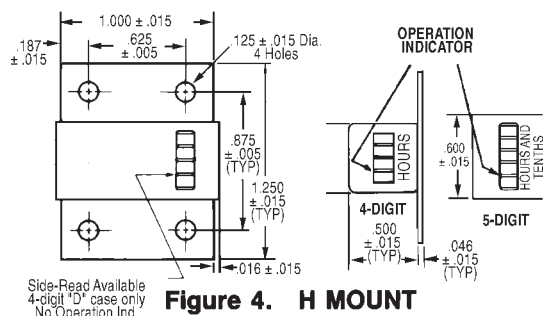


Figure 4. H MOUNT

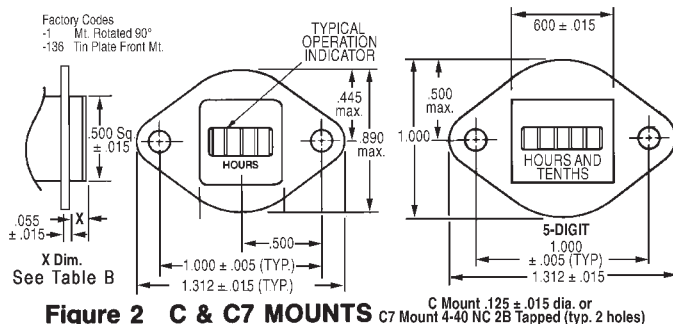


Figure 2 C & C7 MOUNTS C Mount .125 ± .015 dia. or
C7 Mount 4-40 NC 2B Tapped (typ. 2 holes)

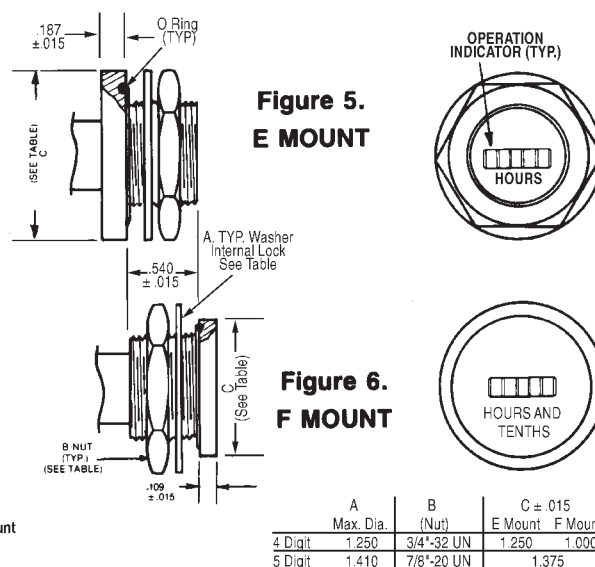


Figure 5.
E MOUNT

Figure 6.
F MOUNT

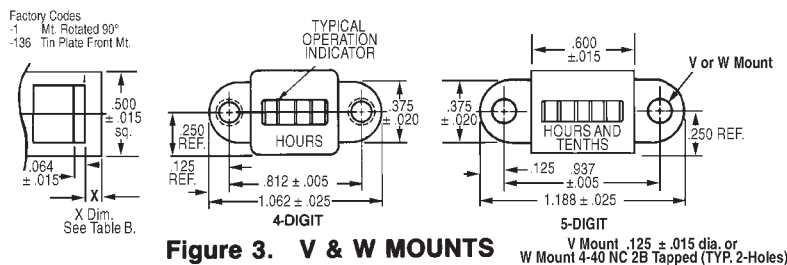


Figure 3. V & W MOUNTS

Round Cases & Mounts (for ETI only)

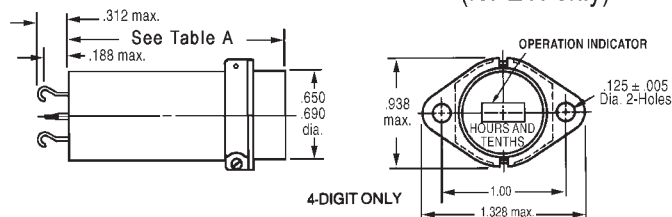


Figure 7. C2 ADJUSTABLE MOUNT

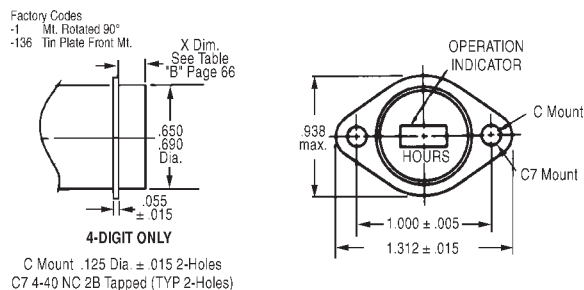
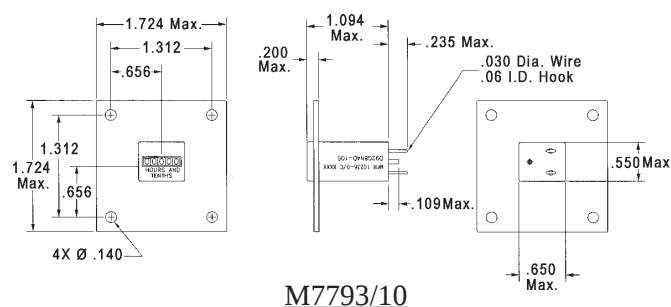
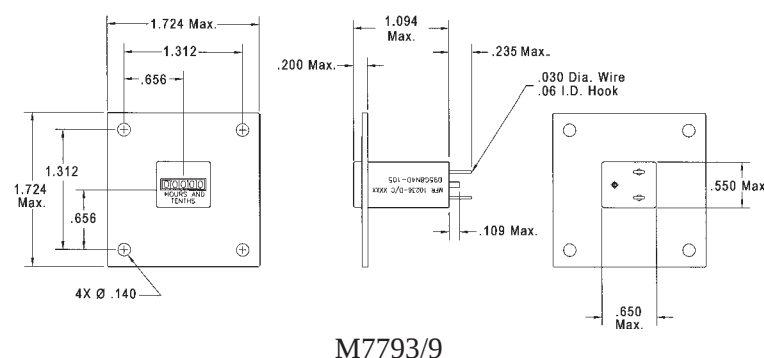
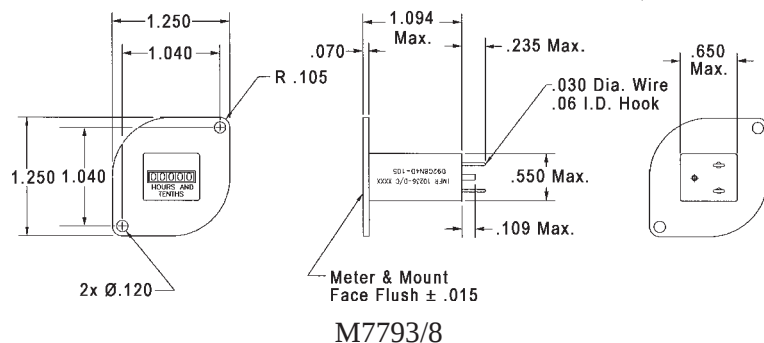


Figure 8. C & C7 MOUNTS

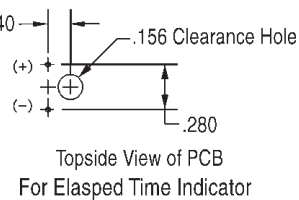
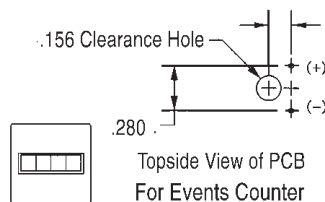
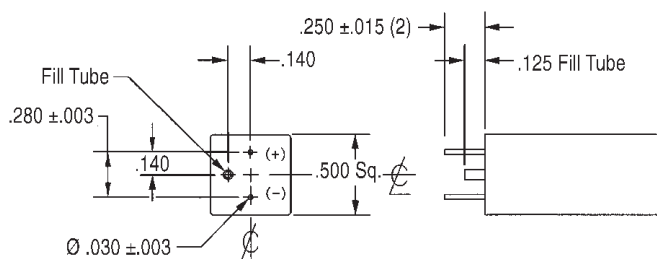
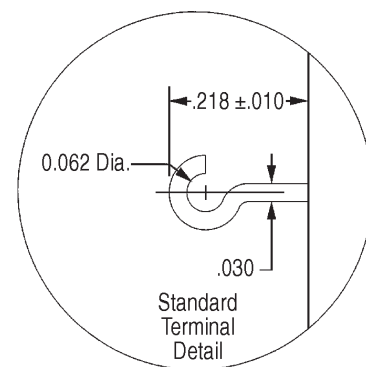
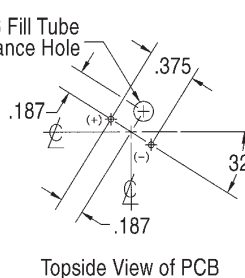
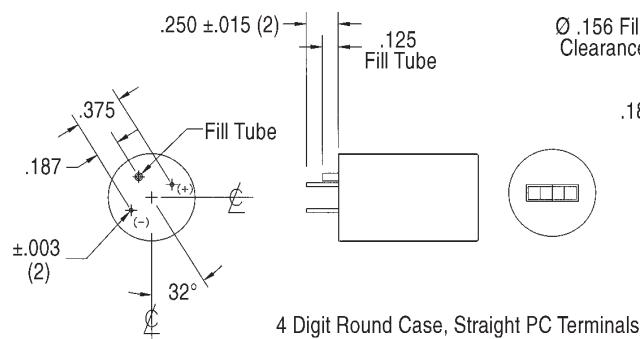
The Dynatime®

Elapsed Time Indicators and Event Counters

Standard Cases & Mounts



Standard and Straight Pin Headers



ELAPSED TIME INDICATORS
EVENTS COUNTERS

Dynatime® MIL™ Series:**Military Elapsed Time Indicator Guide****Table A
Specifications**

Nominal Voltage	Case Length Max. Inches	Electrodynamics Model Number	Fig. No.	Military Number
12 & 28 VDC	1.094 Short	D16C8C*-16	2	MS21341A-XX
		D16C8C2	1	M7793/1-001
		D16C8A	—	M7793/1-002
		D16C8C*-136	2	M7793/1-XXX
		D16C8C2	4	M7793/2-001
		D16C8A	—	M7793/2-002
		D16C8C*-136	2	M7793/2-XXX
	2.082	16B8C2	4	M7793/5-001
	2.062	16C8C2	1	M7793/5-002
		16C8B-16	2	MS21341B-XX
115 VAC 60 Hz	1.094 Short	D92C8C2	1	M7793/3-001
		D92C8A	—	M7793/3-002
		D92C8C*-136	2	M7793/3-XXX
		D92B8C2	4	M7793/4-001
		D92B8A	—	M7793/4-002
		D92B8C*-136	5	M7793/4-XXX
115 VAC 400 Hz	1.760 (Also 1.094)	D95B8C2 or 95B8C2	4	M7793/6-001
			4	M7793/6-001
	1.094 Short	D95C8C2 or 95C8C2	1	M7793/6-002
			1	M7793/6-002
		C7*-16	2	MS27651-XXA
		C7*-1-16	2	MS27651-XXB
		D95C8 C*-16	2	MS27651-XXC
		or C*1-16	2	MS27651-XXD
		95C8 W*-16	3	MS27651-XXE
		W*-1-16	3	MS27651-XXF
		V*-16	3	MS27651-XXG
		V*-1-16	3	MS27651-XXH
		Example: 95C8CE-16 = MS27651-05C		
		Replace D95 or 95 above with D25 or 25		
		Replace MS27651 above with MS27650		
		Example: 25C8CE-16 = MS27650-05C		
26 VAC 400 Hz				

**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°.