

MILITARY ELAPSED TIME INDICATORS

Series 4200, 23200 and 25200

These microminiature elapsed time indicators are specifically designed for military applications. Available in 50 Hz, 60 Hz, 400 Hz or DC operation, these units meet the requirements of Mil-M-7793. The AC units are frequency insensitive and operate from 50 Hz to 800 Hz with an accuracy of +/- 0.1%. The DC units are voltage insensitive and operate from 10 Vdc to 34 Vdc with an accuracy of +/- 0.1%.

The five digit display provides readings in hours or hours and tenths with .075" high numerals (1.9mm). Hours digits are white on a black background and tenths of hours are red on a white background. An operation indicator is provided to show when the unit is operating. The units automatically recycles after the maximum reading.

SPECIFICATIONS

| | | |
|---------------------------------|---|---|
| Voltage | 23200 & 25200 115 Vac ± 13 Vac 4200 10Vdc to 34 Vdc | Finish Units are lusterless black with contrasting markings. On the AC units, the mounting's rear side flange has an unpainted conductive surface for ground. |
| Frequency | 23200 & 25200 50 to 800 Hz 4200 N/A | Enclosure Hermetically sealed |
| Timing Accuracy | 23200 & 25200 ± 0.1% from 50 to 800 Hz 4200 ± 0.1% from 10 to 34 Vdc | Electrical Strength Solder terminals |
| Power | 23200 & 25200 0.9w avg. 4200 85 mw avg. | Temperature Range -55° to 100°C |
| Weight | 23200 & 25200 4 oz. max. 4200 4 oz. max. | Dielectric Strength 600 Vrms room, 350 Vac at Altitude |
| Altitude | 80,000 ft. | Vibration 20 G's to 2000 Hz |
| Electronic Compatibility | Mil. Std. 462 to CE 03 & RE 02 | Shock 100 G's for 6 ms |

HOW TO ORDER

1. Select ordering part number from the selection chart (opposite page).

Note: The ordering part numbers listed cover indicators designed to meet most requirements of mil spec. Special units can be furnished should your needs differ.

Military Cross Reference Chart

| Government Designation | VDO Part Number | Nominal Voltage/Freq. | Figure | Max. Time Hours |
|------------------------|-----------------|-----------------------|--------|-----------------|
| M7793/8-001A | K25208-001 | 115V 400Hz | 1 | 9999.9 |
| M7793/8-002A | K23208-002 | 115V 60 Hz | 1 | 9999.9 |
| M7793/8-003A | K25208-003 | 115V 400Hz | 1 | 99999. |
| M7793/8-004A | K23208-004 | 115Hz 60 Hz | 1 | 99999. |
| M7793/9-001A | K25209-001 | 115V 400 Hz | 2 | 9999.9 |
| M7793/9-002A | K25209-002 | 115V 400Hz | 2 | 99999. |
| M7793/10-001A | K23210-001 | 115V 60 Hz | 2 | 9999.9 |
| M7793/10-002A | K23210-002 | 115V 60Hz | 2 | 99999. |

SUBMINIATURE ELAPSED TIME INDICATORS

Mounting Dimensions (mm)/inches 4200, 23200, 25200 Series

Figure 1

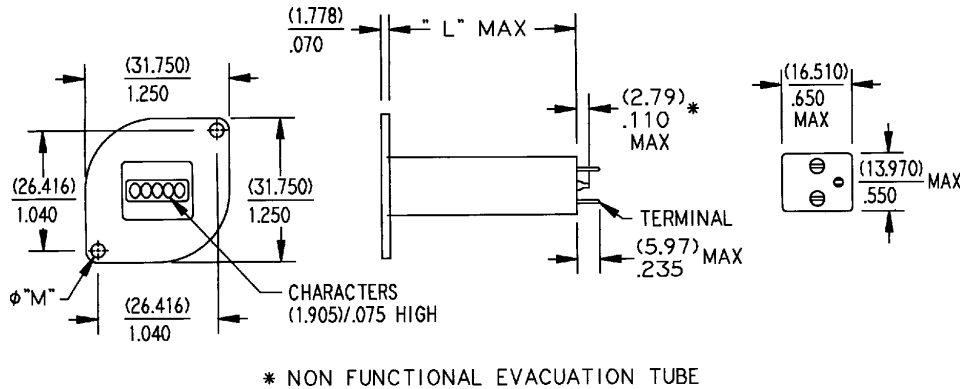
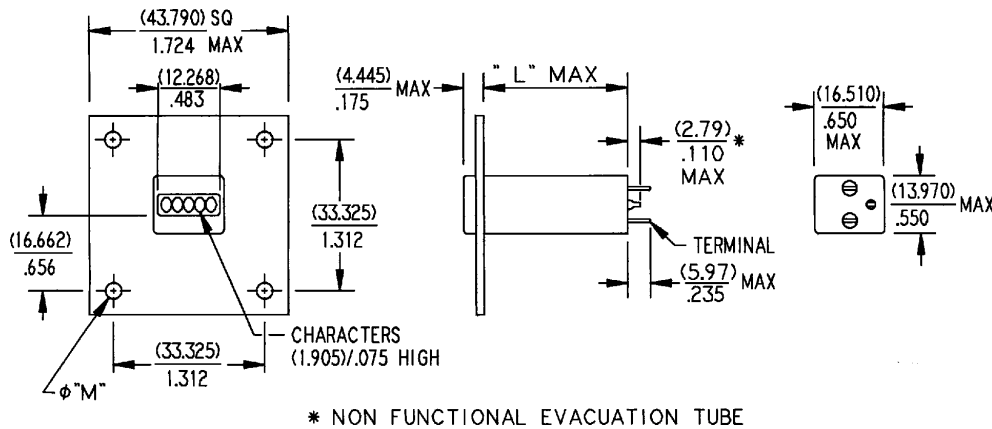


Figure 2



Selection Chart

| Government Designation | VDO Part No. | Superceeded Part No. | Mounting Type | DIM "L" Length Max | DIM "M" Holes | Operating Voltage | Max Time (Hours) |
|------------------------|--------------------|------------------------------|---------------|--------------------|------------------|-------------------|---------------------|
| | K4205 K4206 | KF 4205 | Fig. 1 | 33.02 1.30 | 3.05 .120 | 10 - 34 Vdc | 9999.9 99999 |
| | K4209 K4210 | K 4207 KF 4207 KF 4209 | Fig. 2 | 30.48 1.20 | 3.56 .140 | 10 - 34 Vdc | 9999.9 99999 |
| M7793/8-002A | K23208-002 | K23280 K23255 | Fig. 1 | 33.02 | 3.05 | 115 Vac 60 Hz | 9999.9 |
| M7793/8-004A | K23208-004 | K23251 | | 1.30 | .120 | | 99999 |
| M7793/10-001A | K23210-001 | K23257 K23259 | Fig. 2 | 30.48 1.20 | 3.56 .140 | 115 Vac 60 Hz | 9999.9 |
| M7793/10-002A | K23210-002 | | | | | | 99999 |
| M7793/8-001A | K25208-001 | K 25280 K 25255 | Fig. 1 | 33.02 1.30 | 3.05 .120 | 115 Vac 400 Hz | 9999.9 |
| M7793/8-003A | K25208-003 | K25251 | | | | | 99999 |
| M7793/9-001A | K25209-001 | K25257 K25259 | Fig. 2 | 30.48 1.20 | 3.56 .140 | 115 Vac 400 Hz | 9999.9 |
| M7793/9-002A | K25209-002 | | | | | | 99999 |

Dimensions = mm
inches