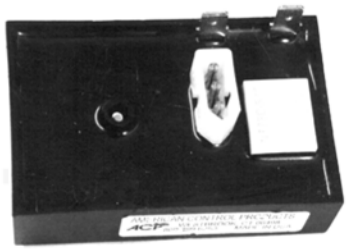


HIGH CURRENT TIMING RELAY

SOLID STATE ENCAPSULATED MODULE

10 AMPERE RATING

Series 844P – ONE SHOT

CMOS DIGITAL CIRCUITRY

E98340

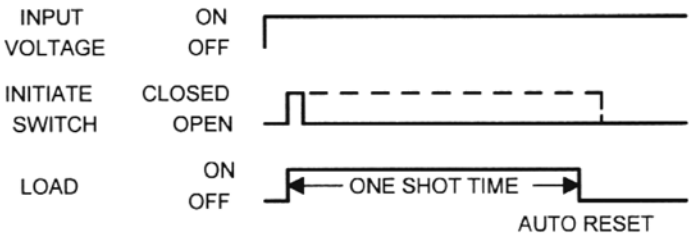
LR46938

- **Environment Protected**
- **Tamper Proof**
- **No False Operate**
- **Small Size – 2"x 3" x 1.22"**
- **Lightweight – approximately 2.5 oz.**
- **Rugged**
- **Transient Protected to 6000V**

To operate input voltage is applied continuously. A normally open initiate switch closure (either momentary or maintained) causes the load contact to close, energize the load and start timing. At the end of the preset delay time period the load is turned OFF. A new cycle of operation can then be started immediately upon re-closure of the initiate switch. Should the initiate switch be re-closed during there is no affect to the preset delay period. Reset is automatic at the end of the timing period, and as long as the initiate switch is open a new period can be started.

Control the timing of high power electric heaters, FHP motors, lamps, transformers and other high current loads rated less than 10 amps Resistive. CMOS digital circuitry is combined with high current output relay contacts. P/C board and internal components are encapsulated in a flame retardant molded housing, fitted with quick connect wiring terminals. Available in all standard voltages and frequencies. Fixed or adjustable timing from .1 seconds to 24 hours.

TIMING DIAGRAM



SPECIFICATIONS

1. Repeat Accuracy: ± 0.25%
2. Combined Effect of Temperature and Voltage upon Repeat Accuracy: ±2% of Setting
3. Reset Time: 150 ms.
4. Operating Voltage Tolerance: ± 20%
5. Load Current: 10 Amps Resistive at 120 or 28VDC
6. Dielectric Strength: 1500 VRMS
7. Insulation Resistance: 100 Megohms Min.
8. Input Transient Protection: 3000V 120V UNITS, 6000V 240V UNITS
9. Temperature Ambients: Operating -40°C to +70°C Storage -55°C to +85°C
10. Humidity-Operating: 95% Relative
11. Linearity(Option A or D): ±5% Minimum from 10% to 90% of range
12. Timing Tolerance: ±9% + Tolerance of Rt Std., ±5% Special (Fixed)

HOW TO ORDER 844P – (T) (V) (P)

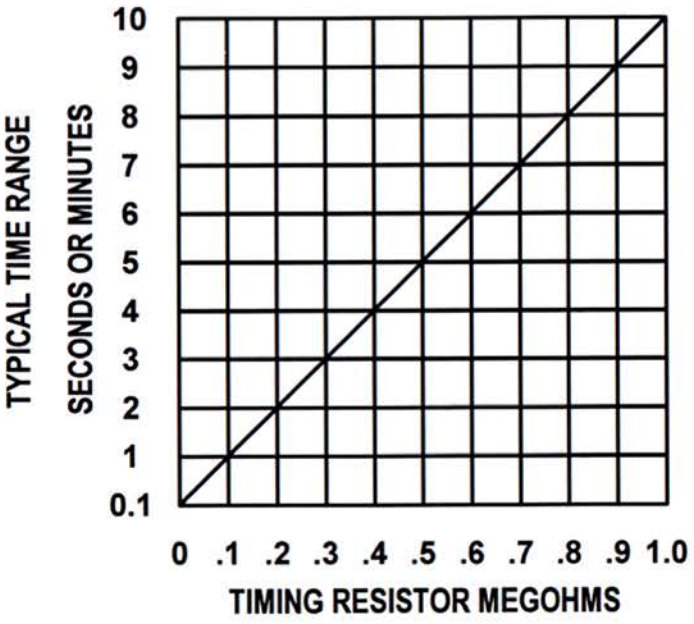
SERIES	(T) = TIME RANGE	(V)=VOLTAGE	(P) = OPTIONS
844P	P = 0.1 - 5 SEC. 1 = 0.1 - 10 SEC. L = 0.2 - 20 SEC. J = 0.3 - 30 SEC. M = 0.6 - 60 SEC. 2 = 1 - 100 SEC. K = 1.2 - 120 SEC. F = 2 - 180 SEC. E = 3 - 300 SEC. 3 = 10 - 1000 SEC. 4 = O.1 - 10 MIN. G = 0.3 - 30 MIN. H = 0.6 - 60 MIN. 5 = 1 - 100 MIN. V = 3 - 300 MIN. 6 = 10 - 1000 MIN. D = 1 - 24 HRS.	1 = 12VDC 2 = 24VDC 3 = 48VDC 4 = 24VAC 5 = 120VAC 6 = 240VAC 7 = 110VDC	O - CUSTOMER SUPPLIES OWN POTENTIOMETER OR RESISTOR A - POTENTIOMETER SUPPLIED AS LOOSE PART *B - EXTERNALLY INSTALLED RESISTOR *C - FACTORY FIXED INTERNAL D - TRIMMER POTENTIOMETER INSTALLED ON TERMINALS ** For Fixed Time Specify The Value In Seconds, Minutes, Or Hours* **MADE IN USA**

EXAMPLE P/N: 844P-47O This is a ONE SHOT 10A Rated Timer with an adjustable .1-10 MINUTE delay and an INPUT VOLTAGE of 110 VDC. The customer will supply the time adjust potentiometer or resistor.

PRIME TECHNOLOGY

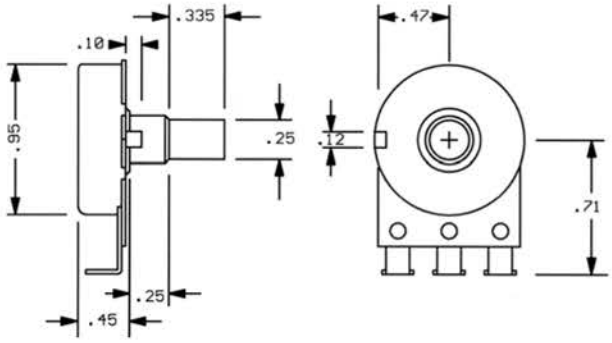
American Control Products / Precision Timer
a division of Prime Technology
344 Twin Lakes Road
North Branford, CT 06471
Telephone: (203) 481-5721
Fax: (203) 481-8937
Email: sales@primetechnology.com
www.primetechnology.com

TYPICAL CALIBRATION RESISTANCE VS TIME

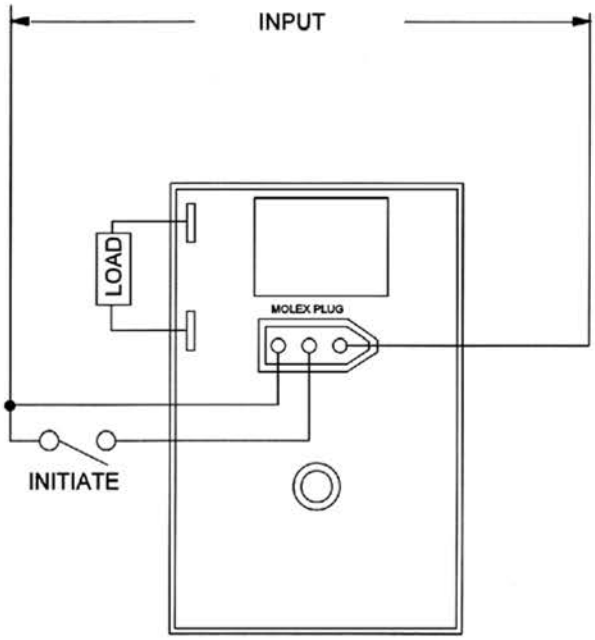


ACCESSORIES AVAILABLE FROM STOCK

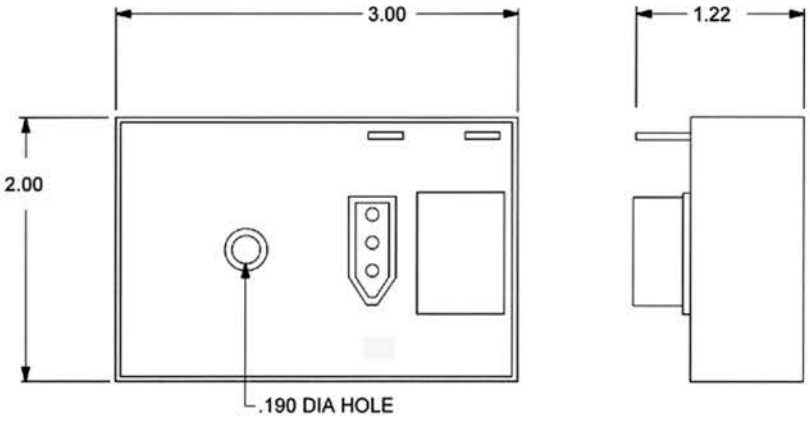
CONTROL POTENTIOMETERS (OPTION A)
ORDER P/N PM-1M 1 MEGOHM ± 20%



TYPICAL WIRING



OUTLINE DRAWING



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TECHNICAL BULLETIN

SOLID STATE TIMING MODULE