TIMING MODULE



LR46938



Series 604 - ONE SHOT

CMOS DIGITAL CIRCUITRY

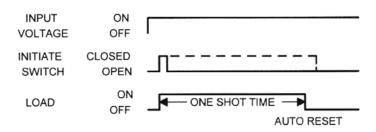


- **Environment Protected**
- Tamper Proof
- No False Operate
- Small Size 2"x 2" x 53/64"
- Lightweight approximately 2.5 oz.
- Rugged

Input power is applied continuously. The first closure, momentary or sustained, of a normally open isolated initiate switch simultaneously starts timing of the preset delay period, and turns the load ON. At the end of the preset delay time the load turns OFF. Should a sustained isolated initiate switch closure be used to start timing it is necessary to open this switch to permit reset of the timer before the next cycle can occur. Re-closure of the initiate switch during timing has no effect.

Control the timing of valves, SFHP motors, lamps, relays, magnetic line starters, and actuators rated less than 1 ampere (10 amps inrush). CMOS digital circuitry, with solid state output switching. P/C boards and internal components are encapsulated in a flame retardant molded housing, fitted with guick 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: ± 0.1% or 16 ms. Whichever is greater
- 2. Combined Effect of Temperature and Voltage upon Repeat Accuracy: ±1%
- 3. Reset Time: 150 ms.
- 4. Operating Voltage Tolerance: ± 20%
- 5. Load Current: Steady State 8 ma. Min., 1 Ampere Max.
- 6 Voltage Drop: 1.5V Typical at 1 Ampere
- 7. Leakage Current: 5 ma.
- 8. Dielectric Strength: 1500 VRMS
- 9. Insulation Resistance: 100 Megohms Min.
- 10. Input Transient Protection: 3000V 120V UNITS, 6000V 240V units
- 11. Temperature Ambients: Operating -40°C to +70°C, Storage -55°C to +70°C
- 12. Humidity-Operating: 95% Relative
- 13. Linearity(Option A or D): ±5% Minimum from 10% to 90% of ra
- 14. Timing Tolerance: ±9% + Tolerance of Rt Std., ±5% Special (Fixed)

HOW TO ORDER 604 - (T)(V)(P)

SERIES	(T) = TIME RANGE	(V)=VOLTAGE	(P) = OPTIONS		
604	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 = 0.1 - 10 MIN. G = 0.3 - 30 MIN. H = 0.6 - 60 MIN. 5 = 1 - 100 MIN. V = 3 - 300 MIN. 0 = 10 - 1000 MIN. D = 1 - 24 HRS.	1 = 12VDC 2 = 24VDC 3 = 48VDC 4 = 24VAC 5 = 120VAC 6 = 240VAC	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 R - INTERNAL POTENTIOMETER WITH THRU SHAFT S - INTERNAL POTENTIOMETER WITH SCREWDRIVER SLOT * For Fixed Time Specify The Value In Seconds, Minutes, Or Hours MADE IN USA		

EXAMPLE P/N: 604-36C/200S This is a ONE SHOT 1A Rated Solid State Timer with a 200 second DELAY and an INPUT VOLTAGE of 240 VAC. The DELAY is FACTORY FIXED INTERNAL calibration.



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

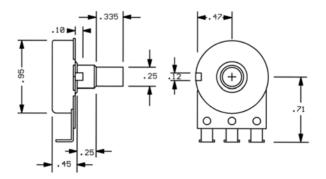
TECHNICAL BULLETIN								
SOLID STATE TIMING MODULE								
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CALIBRATION RESISTANCE VS TIME

10 9 8 7 6 6 3 2 1 0.1 0 .1 .2 .3 .4 .5 .6 .7 .8 .9 1.0 TIMING RESISTOR MEGOHMS

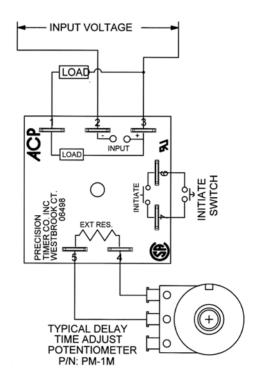
ACCESSORIES - AVAILABLE FROM STOCK

ORDER P/N: PM - 1M 1 MEGOHM ± 20% PM - 100K 100 KOHM ± 20%

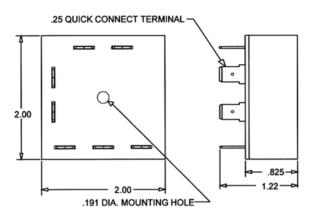


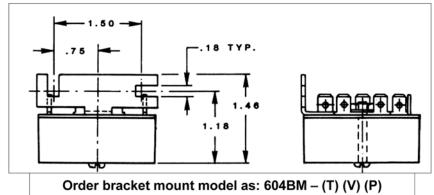


TYPICAL WIRING



OUTLINE DRAWING





MADE IN USA



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