TIMING MODULE



LR46938

COOL DOWN TIMER ENCAPSULATED ONE AMPERE LOAD RATING

Series 602S - OFF DELAY

FULLY SOLID STATE

CMOS DIGITAL CIRCUITRY

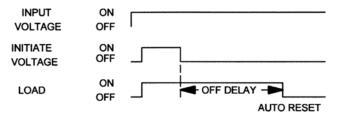


- Environment Dretected
- Environment Protected
- Tamper Proof
- No False Operate
- Small Size 2"x 2" x 53/64"
- Lightweight approximately 2.5 oz.
- Rugged

Input power is applied continuously. Upon application of voltage to the INITIATE VOLTAGE terminals the solid state load switch will turn ON, energizing the load. This condition is maintained for as long as the INITIATE VOLTAGE is applied. Removing the INITIATE VOLTAGE starts the preset delay period. At the end of the preset delay period the solid state load switch turns OFF, de-energizing the load. A new cycle of operation can then be started with application of voltage to the INITIATE VOLTAGE terminals. Should the INITIATE VOLTAGE be re-applied during the preset delay period, timing will stop, but the load will remain energized. When the INITIATE VOLTAGE is removed, the preset delay period will be re-triggered. When the delay has reached time out the load will be de-energized, and the timer will reset. This timer is commonly referred to as the "COOL DOWN TIMER".

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 quick connect wiring terminals. Available in all standard voltages and frequencies. Fixed or adjustable timing from .1 seconds to 24 hours.

TIMING DIAGRAM



HOW TO ORDER 602S - (T) (V) (P)

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 range
- 14. Timing Tolerance: ±9% + Tolerance of Rt Std., ±5% Special (Fixed)

SERIES	(T) = TIME RANGE	(V) = VOLTAGE	(S) = INITIATE	(P) = OPTIONS
602S	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	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: 602S-354C/240S This is an OFF DELAY 1A Rated Solid State Timer with a 240 second DELAY and an INPUT VOLTAGE of 120 VAC. The INITIATE voltage is 24 VAC. The DELAY is FACTORY FIXED INTERNAL calibration.



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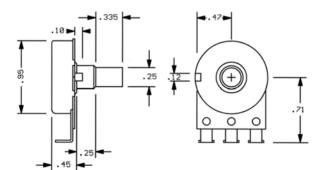
	TEC	HNICAL B	BULLETIN				
SOLID STATE TIMING MODULE							
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CALIBRATION RESISTANCE VS TIME

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

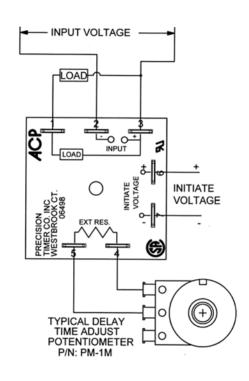
ACCESSORIES - AVAILABLE FROM STOCK

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

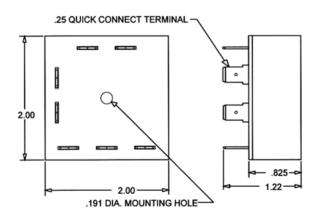


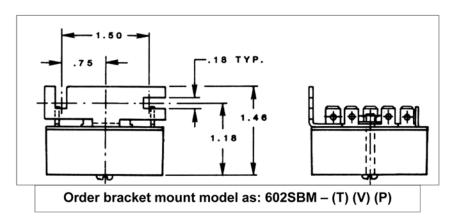


TYPICAL WIRING



OUTLINE DRAWING





MADE IN USA



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TECHNICAL BULLETIN

SOLID STATE TIMING MODULE

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