

TIMING MODULE

RU **SP**
E75633 LR46938

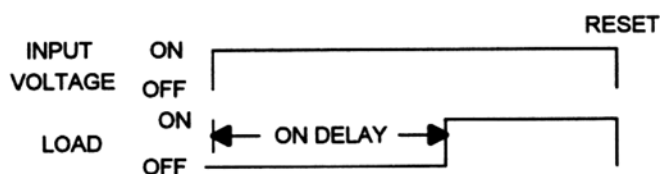
FULLY SOLID STATE **ENCAPSULATED**
ONE AMPERE LOAD RATING
Series 601 - ON DELAY
CMOS DIGITAL CIRCUITRY

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

A solid state switch turns the load ON at the end of a timed period and it remains in this condition until power is removed. Power must be applied continuously during the timing period and for as long as the load is to be energized. Removal or interruption of power at any time will cause the timer to reset. The next cycle can then be initiated by application of power.

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



SPECIFICATIONS

1. Repeat Accuracy: $\pm 0.1\%$ or 16 ms. Whichever is greater
2. Combined Effect of Temperature and Voltage upon Repeat Accuracy: $\pm 1\%$
3. Reset Time: 16 ms.
4. Operating Voltage Tolerance: $\pm 20\%$
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 Protected
11. Temperature Ambients: Operating -40°C to $+70^{\circ}\text{C}$ Storage -55°C to $+70^{\circ}\text{C}$
12. Humidity-Operating: 95% Relative
13. Linearity (Option A or D): $\pm 5\%$ Minimum from 10% to 90% of range
14. Timing Tolerance: $\pm 9\%$ + Tolerance of Rt Std., $\pm 5\%$ Special (Fixed)
15. DC Polarity insensitive

HOW TO ORDER 601 – (T) (V) (P)

SERIES	(T) = TIME RANGE	(V)=VOLTAGE	(P) = OPTIONS
601	P = 0.1 - 5 SEC.	1 = 12VDC	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 <div style="border: 1px solid black; padding: 5px; text-align: center;"> <i>* For Fixed Time Specify The Value In Seconds, Minutes, Or Hours</i> </div>
	1 = 0.1 - 10 SEC.	2 = 24VDC	
	L = 0.2 - 20 SEC.	3 = 48VDC	
	J = 0.3 - 30 SEC.	4 = 24VAC	
	M = 0.6 - 60 SEC.	5 = 120VAC	
	2 = 1 - 100 SEC.	6 = 240VAC	
	K = 1.2 - 120 SEC.	7 = 110VDC	
	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.		
	6 = 10 - 1000 MIN.		
D = 1 - 24 HRS.			

MADE IN USA

EXAMPLE P/N: 601-22R This is an ON DELAY 1A Rated Solid State Timer with an adjustable 1-100 second DELAY and an INPUT VOLTAGE of 24 VDC. The timing adjustment potentiometer is internal with through shaft.

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

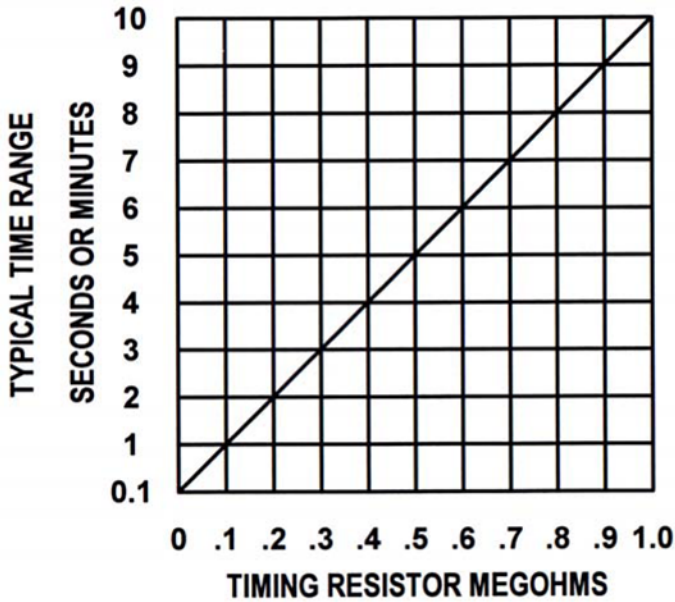
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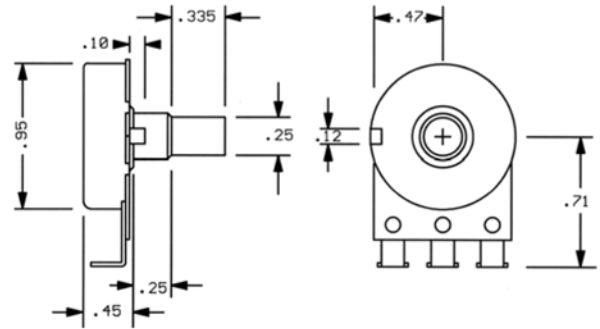
REV
B

CALIBRATION RESISTANCE VS TIME

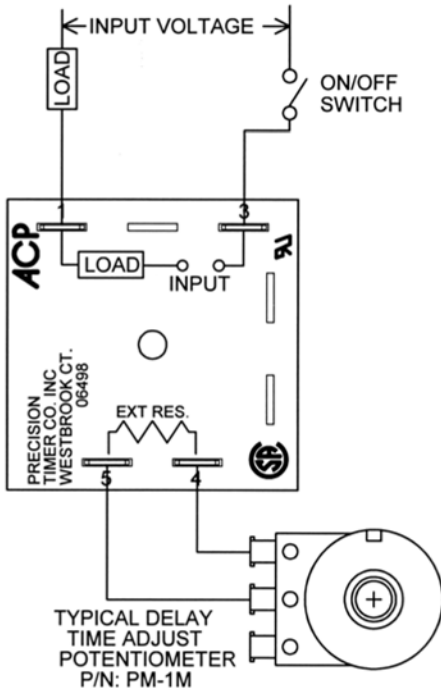


ACCESSORIES – AVAILABLE FROM STOCK

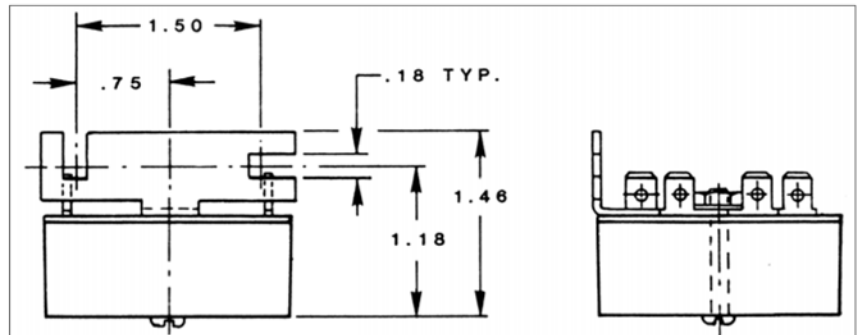
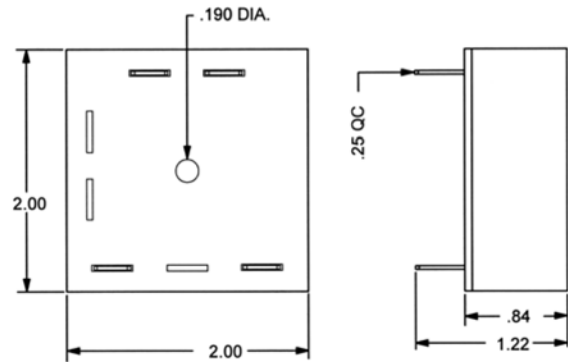
ORDER P/N: PM – 1M 1 MEGOHM ± 20%
 PM – 100K 100 KOHM ± 20%



TYPICAL WIRING



OUTLINE DRAWING



Order bracket mount model as: 601BM – (T) (V) (P)

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