

UNIVERSAL VOLTAGE TIMING MODULE

24 - 240VAC



E75633 LR46938

ONE AMPERE LOAD RATING

12 - 240VDC

ENCAPSULATED

Series U601 - ON DELAY

FULLY SOLID STATE

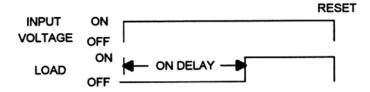
CMOS DIGITAL CIRCUITRY

- Life Expectancy –unlimited
- **Environment Protected**
- **Tamper Proof**
- No False Operate
- Small Size 2"x 2" x 53/64"
- Lightweight approximately 2.5
- 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: ± 0.1% or 16 ms. Whichever is greater
- 2. Combined Effect of Temperature and Voltage upon Repeat Accuracy: ±1%
- 3. Reset Time: 16 ms.
- 4. Operating Voltage: 12 240 V
- 5. Load Current: Steady State 40 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°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)
- 15. DC Polarity Insensitive

HOW TO ORDER U601 - (T)(P)

SERIES	(T) = TIME RANGE	(P) = OPTIONS
U601	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.	

EXAMPLE P/N: U601-2R This is a UNIVERSAL ON DELAY 1A Rated Solid State Timer with an adjustable 1-100 second DELAY. The input is any voltage between 12 - 240VDC or 24-240VAC. The timing adjustment potentiometer is internal with through shaft.



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TECHNICAL BULLETIN SOLID STATE TIMING MODULE

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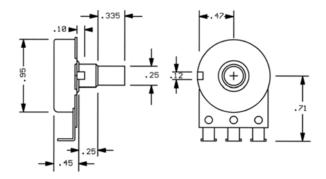
В

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

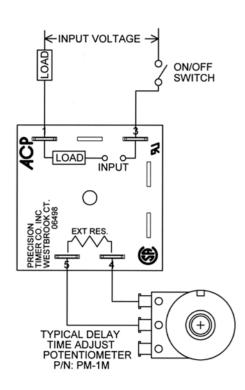
ACCESSORIES - AVAILABLE FROM STOCK

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

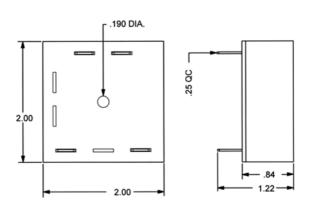


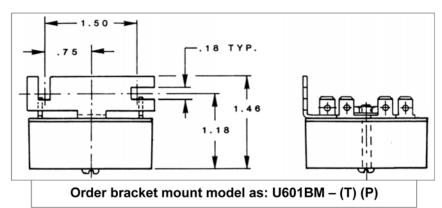


TYPICAL WIRING



OUTLINE DRAWING





MADE IN USA



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SOLID STATE TIMING MODULE

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