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# TMS SERIES SUPER LOW COST DELAY-ON-MAKE TIMER

## FEATURES

- Fully Solid State
- 2 Wire, In-Line Connection
- Fixed Delays from 0.05 to 180 Seconds
- Small Size
- 0.5 Ampere Output
- Totally Encapsulated
- UL/cUL Recognized

## SPECIFICATIONS

### 1. Input

- 1.1 Operating Voltages: 12 & 24 VDC, or 24, 120, & 230 VAC
- 1.2 Tolerance:  $\pm 15\%$  of Nominal
- 1.3 Frequency: 50 - 60 Hertz

### 2. Output

- 2.1 Type: Solid State
- 2.2 Form: SPST, Normally Open
- 2.3 Rating: 0.5 Amperes, Steady State, 10 Amp Inrush  
 Min Load Current: 40 Milliampere
- 2.4 Life: 100,000,000 Operations Minimum Under Full Load

### 3. Time Delay

- 3.1 Range: Fixed Delays From 0.05 to 180 Seconds
- 3.2 Tolerance (Factory Calibration):  $\pm 15\%$
- 3.3 Repeat Accuracy:  $\pm 5\%$

### 4. Mechanical

- 4.1 Mounting:
  - 4.1.1 PC Mount Termination Via (2) #14 AWG (.047 DIA.)  
 Pins, Can Be Inserted In AMP Socket #645980-1
  - 4.1.2 Mounting Bracket Via One #8 Screw  
 Termination Via (2) 8" x 18 AWG, Stranded Wire Leads

### 5. Environmental

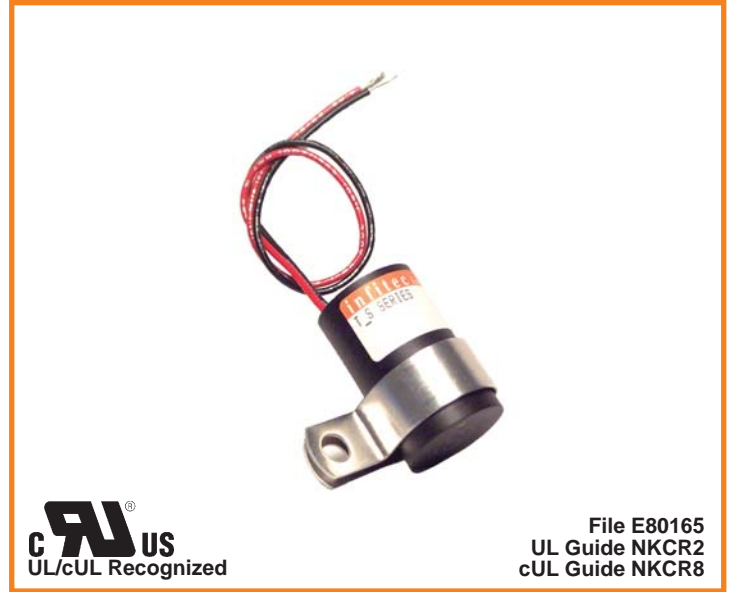
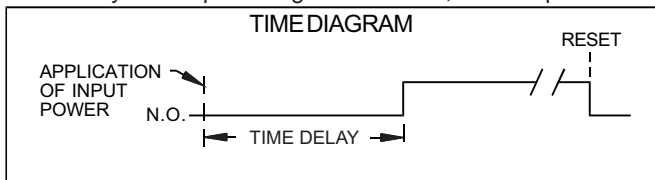
- 5.1 Operating Temperature:  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- 5.2 Storage Temperature:  $-30^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- 5.3 Humidity: 95% Relative Non-Condensing

### 6. Protection

- 6.1 Transient Protected
- 6.2 DC Units: Reverse Polarity Protected

## MODE OF OPERATION DELAY ON MAKE

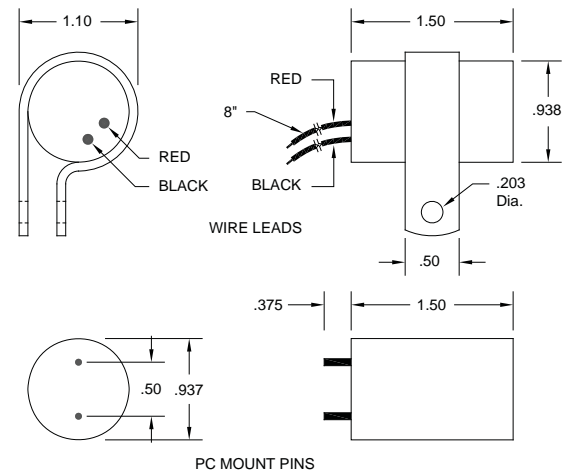
Upon application of power, the time delay begins. Upon completion of the time delay the output energizes. To reset, remove power.



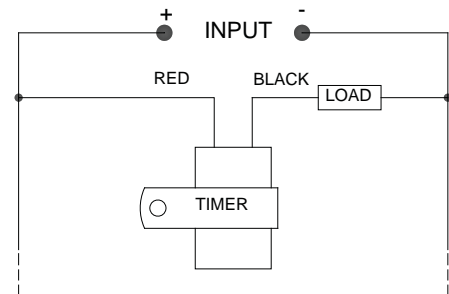
**UL**  
 UL/cUL Recognized

File E80165  
 UL Guide NKCR2  
 cUL Guide NKCR8

## DIMENSIONS



## CONNECTION DIAGRAM



## ORDERING INFORMATION

SERIES	INPUT VOLTAGE	FIXED DELAY IN SECONDS	TERMINATION
TMS	1 - 12 VDC 2 - 24 VDC 4 - 24 VAC 5 - 120 VAC 6 - 230 VAC	0.05 to 180	P - PC Mount Pins W - Wire Leads

