



# SOLID STATE 10 AMP RATED PLUG IN TIMER

## Series 637 – PERCENT

### CMOS DIGITAL CIRCUITRY

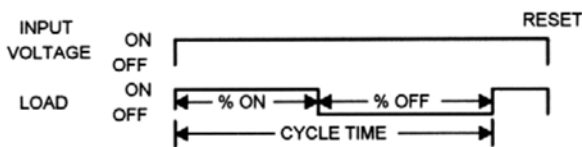
**UL** US  
E98340

**SF**  
LR46938

- Dust Cover Protection
- Tamper Resistant
- No False Operate
- SPDT & DPDT Relay Output
- Reverse Polarity Protection on DC
- Lightweight – 4 oz.
- Compact Size
- Transient Protected to 6000V

Application of input voltage starts timing and the normally open relay contacts close to energize the load. At the end of the preset delay time the normally open contacts will open and the normally closed contacts will re-close. Input power must be removed to allow the timer to reset before the next cycle begins. Available in the time ranges and standard voltages shown below.

### TIMING DIAGRAM



### SPECIFICATIONS

1. Repeat Accuracy:  $\pm 0.25\%$
2. Combined Effect of Temperature and Voltage upon Repeat Accuracy:  $\pm 2\%$  of Setting
3. Reset Time: 150 ms.
4. Operating Voltage Tolerance:  $\pm 20\%$
5. Load Current: 10 Amps Resistive at 120 / 240VAC or 28VDC
6. Dielectric Strength: 1500 VRMS
7. Insulation Resistance: 100 Megohms Min.
8. Input Transient Protection: 3000V 120V UNITS, 6000V 240V UNITS
9. Temperature Ambients: Operating  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$  Storage  $-55^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$
10. Humidity-Operating: 95% Relative
11. Linearity(Control K):  $\pm 5\%$  Minimum from 10% to 90% of range
12. Timing Tolerance:  $\pm 9\%$  + Tolerance of Rt Std.,  $\pm 5\%$  Special (Fixed)

### HOW TO ORDER: 637-(T)(V)(C)/(P)R(H)

SERIES	(T) = TIME RANGE	(V)=VOLTAGE	(C)=CONTROL	(P)=POLES	(H) = HEADER
633	P = 5 SEC.	1 = 12VDC	E = EXTERNAL	1 = SPDT	08 = 8 PIN
	1 = 10 SEC.	2 = 24VDC	K = KNOB	2 = DPDT	11 = 11 PIN
	L = 20 SEC.	3 = 48VDC		3 = 3PDT	
	J = 30 SEC.	4 = 24VAC			
	M = 60 SEC.	5 = 120VAC			
	2 = 100 SEC.	6 = 240VAC			
	K = 120 SEC.	7 = 110VDC			
	F = 180 SEC.				
	E = 300 SEC.				
	3 = 1000 SEC.				
	4 = 10 MIN.				
	G = 30 MIN.				
	H = 60 MIN.				
5 = 100 MIN.					
V = 300 MIN.					
6 = 1000 MIN.					
D = 24 HRS.					

FOR FIXED TIME SPECIFY  
THE VALUE IN SECONDS,  
MINUTES, OR HOURS

**MADE IN USA**

**EXAMPLE P/N: 637-M5E/1R08** This is a PERCENT, 10A Rated Timer with an Externally Adjustable Percent of a 60 SECOND CYCLE TIME. The INPUT VOLTAGE is 120 VAC. The output contacts are SPDT, and the Header is 8 PIN.

American Control Products / Precision Timer  
a division of Prime Technology  
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North Branford, CT 06471  
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www.primetechnology.com



### TECHNICAL BULLETIN

### SOLID STATE PLUG IN TIMER

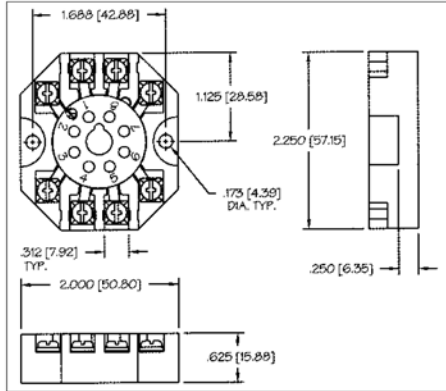
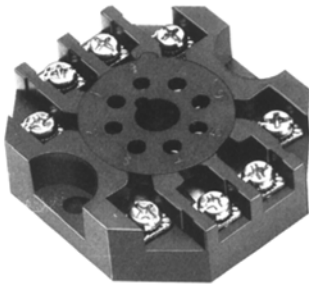
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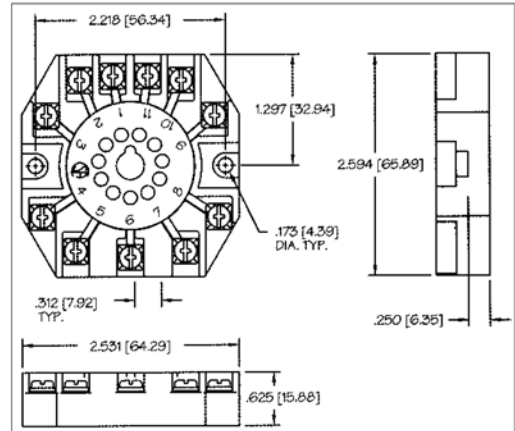
**637**

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B

## ACCESSORY SOCKETS

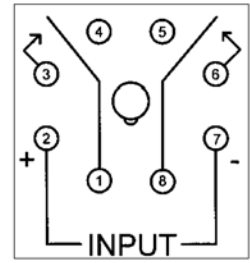
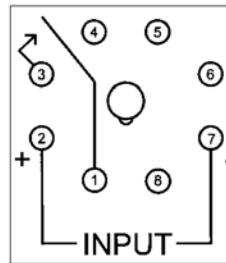
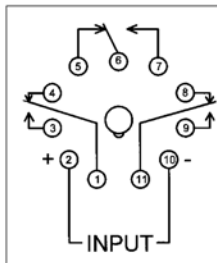
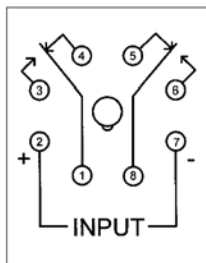
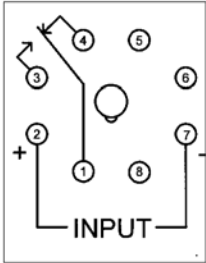


**ORDER P/N BS8, 8 PIN SOCKET**

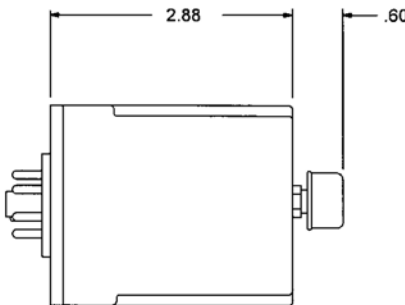
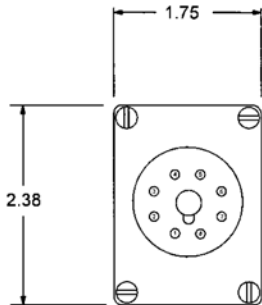


**ORDER P/N BS11, 11 PIN SOCKET**

## STANDARD WIRING DIAGRAMS



## OUTLINE DRAWING



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