



# SOLID STATE 10 AMP RATED PLUG IN TIMING RELAY

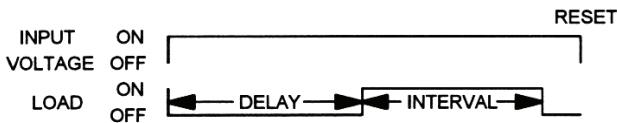
## Series 6313 – DELAYED INTERVAL CMOS DIGITAL CIRCUITRY

UL<sup>®</sup> US  
E98340  
SP<sup>®</sup>  
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 the preset ON Delay timing. At the end of this time the normally open relay contacts close for the preset Interval time. At the end of the Interval time the normally open relay contacts re-open. Input power must be removed to allow the timer to reset. The On and Interval times are independently adjustable. Interruption of the input voltage during timing resets the time to T = 0. 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°C to +70°C Storage -55°C to +70°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 RE Std.,  $\pm 5\%$  Special (Fixed)

### HOW TO ORDER: 6313- (T1) (T2) (V) (C1) (C2) / (P) R (H)

SERIES	(T1) =DELAY TIME RANGE	(T2) = INTERVAL TIME RANGE	(V)=VOLTAGE	(C)=CONTROL	(P)=POLES	(H) = HEADER
6313	P = 0.1 - 5 SEC.	P = 0.1 - 5 SEC.	1 = 12VDC	F = FIXED	1 = SPDT	08 = 8 PIN
	1 = 0.1 - 10 SEC.	1 = 0.1 - 10 SEC.	2 = 24VDC	E = EXTERNAL	2 = DPDT	11 = 11 PIN
	L = 0.2 - 20 SEC.	L = 0.2 - 20 SEC.	3 = 48VDC	K = KNOB	3 = 3PDT	
	J = 0.3 - 30 SEC.	J = 0.3 - 30 SEC.	4 = 24VAC	NOTE (C1) IS DELAY CONTROL (C2) IS INTERVAL CONTROL		
	M = 0.6 - 60 SEC.	M = 0.6 - 60 SEC.	5 = 120VAC			
	2 = 1 - 100 SEC.	2 = 1 - 100 SEC.	6 = 240VAC			
	K = 1.2 - 120 SEC.	K = 1.2 - 120 SEC.	7 = 110VDC			
	F = 2 - 180 SEC.	F = 2 - 180 SEC.				
	E = 3 - 300 SEC.	E = 3 - 300 SEC.				
	3 = 10 - 1000 SEC.	3 = 10 - 1000 SEC.				
	4 = 0.1 - 10 MIN.	4 = 0.1 - 10 MIN.				
	G = 0.3 - 30 MIN.	G = 0.3 - 30 MIN.				
	H = 0.6 - 60 MIN.	H = 0.6 - 60 MIN.				
5 = 1 - 100 MIN.	5 = 1 - 100 MIN.					
V = 3 - 300 MIN.	V = 3 - 300 MIN.					
6 = 10 - 1000 MIN.	6 = 10 - 1000 MIN.					
D = 1 - 24 HRS.	D = 1 - 24 HRS.					

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

MADE IN USA

**EXAMPLE P/N: 6313-135KK/2R08** This is a DELAYED INTERVAL, 10A Rated Timer with a Knob Adjustable .1-10 SECOND ON Delay TIME and a 10-1000 SECOND Knob Adjustable Interval TIME. The INPUT VOLTAGE is 120 VAC. The output contacts are DPDT, and the Header is 8 PIN.

**AMERICAN CONTROL PRODUCTS**  
A DIV. OF PRECISION TIMER CO., INC.  
47 WESTBROOK INDUSTRIAL PARK ROAD  
WESTBROOK, CT. 06498

PHONE: (860)399-6253  
EMAIL: info@precisiontimer.com

FAX: (860)399-5619  
Web Site: precisiontimer.com

### TECHNICAL BULLETIN

### SOLID STATE PLUG IN TIMER

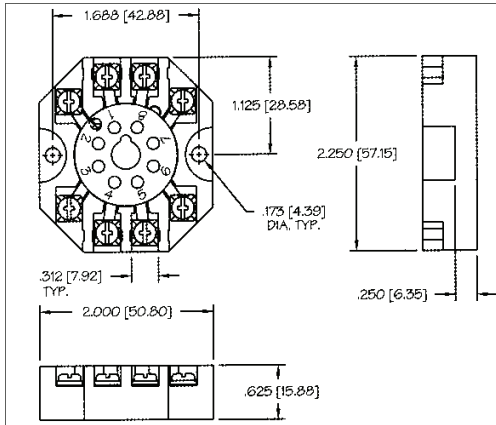
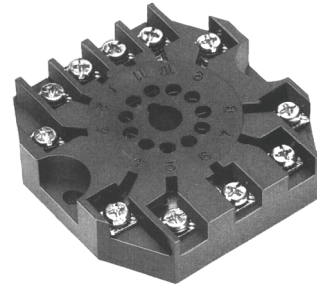
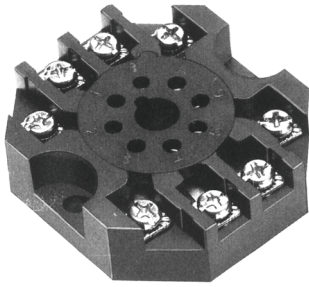
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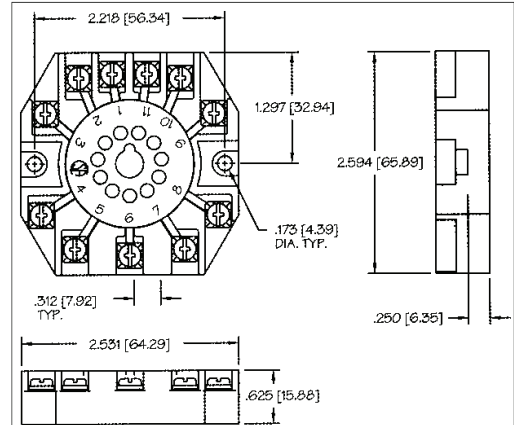
**6313**

REV  
C

## ACCESSORY SOCKETS

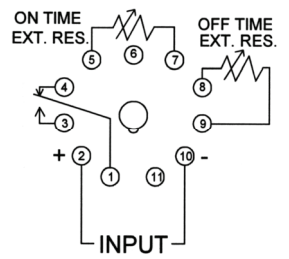
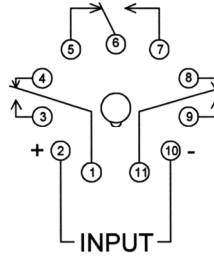
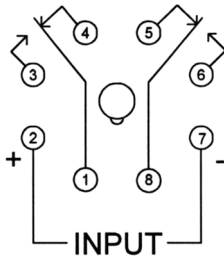
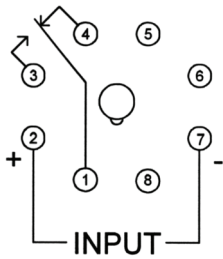


**ORDER P/N BS8, 8 PIN SOCKET**

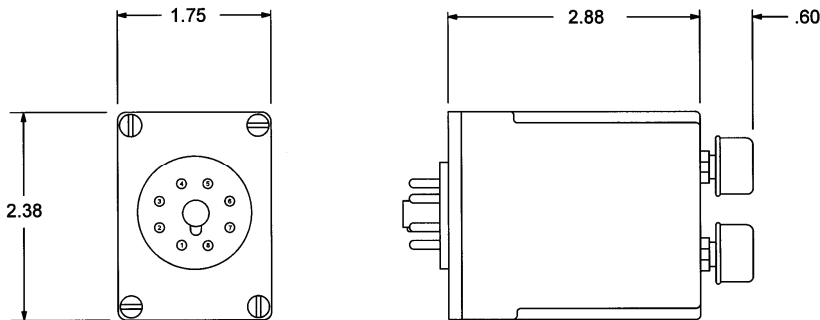


**ORDER P/N BS11, 11 PIN SOCKET**

## STANDARD WIRING DIAGRAMS



## OUTLINE DRAWING



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**TECHNICAL BULLETIN**

**SOLID STATE TIMING MODULE**

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**6313**

**REV**  
**C**