

SOLID STATE 10 AMP RATED PLUG IN TIMING RELAY

Series 6312 – DELAYED ON - OFF CMOS DIGITAL CIRCUITRY

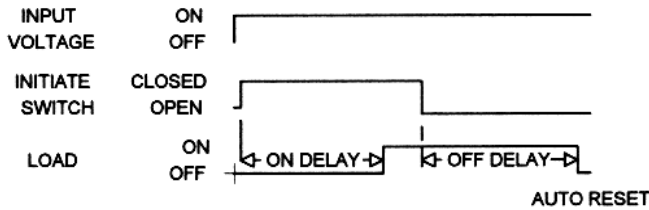
UL US
E98340
SP
LR46938



- 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

Input voltage is continuous. Closing the Initiate Switch causes the normally open contacts to close and starts the preset On Delay. Opening the Initiate Switch after the completion of the On Delay starts the preset Off Delay. After completion of the preset Off Delay the normally open relay contacts re-open and the timer is automatically reset. On time and Off time are independently adjustable. Available in the time ranges and 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 $+70^{\circ}\text{C}$ Storage -55°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 RE Std., $\pm 5\%$ Special (Fixed)

HOW TO ORDER: 6312- (T1) (T2) (V) (C1) (C2) / (P) R (H)

SERIES	(T1) = ON TIME	(T2) = OFF TIME RANGE	(V)=VOLTAGE	(C)=CONTROL	(P)=POLES	(H) = HEADER
6312	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		
	J = 0.3 - 30 SEC.	J = 0.3 - 30 SEC.	4 = 24VAC			
	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.					

NOTE
(C1) IS ON TIME CONTROL
(C2) IS OFF TIME CONTROL

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

MADE IN USA

EXAMPLE P/N: 6312-135KK/2R11 This is a DELAYED ON-OFF, 10A Rated Timer with a Knob Adjustable .1-10 SECOND ON TIME and a 10-1000 SECOND Knob Adjustable OFF TIME. The INPUT VOLTAGE is 120 VAC. The output contacts are DPDT, and the Header is 11 PIN.

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

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TECHNICAL BULLETIN

SOLID STATE PLUG IN TIMER

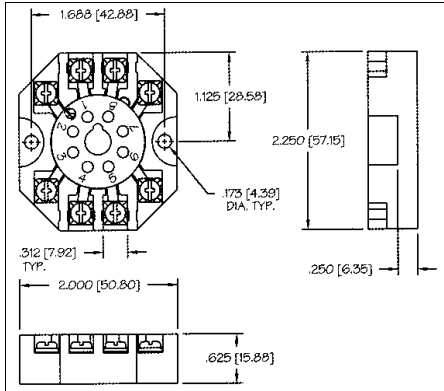
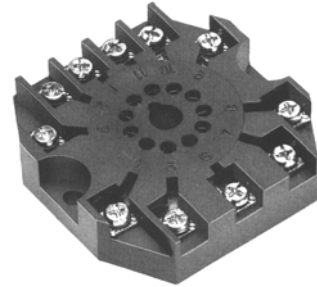
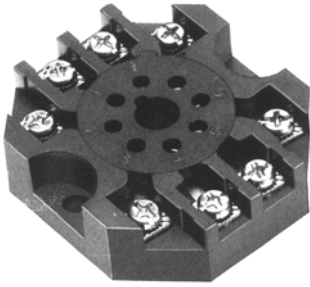
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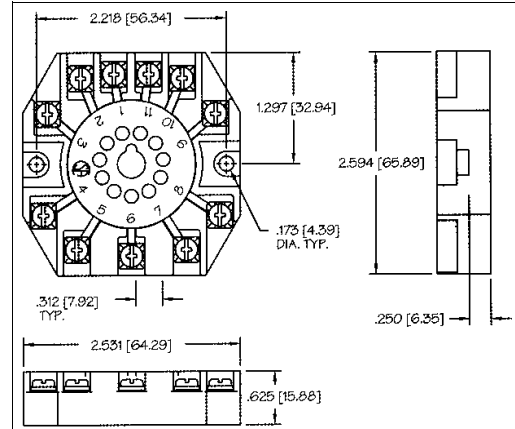
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REV
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ACCESSORY SOCKETS

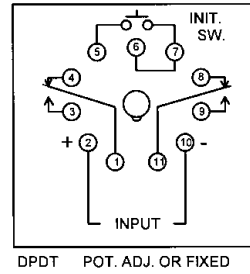
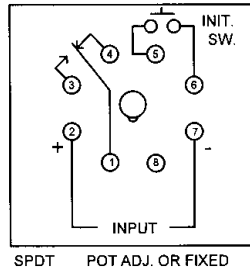
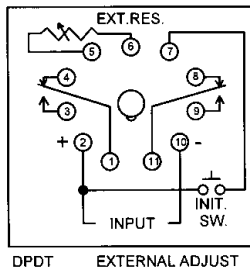
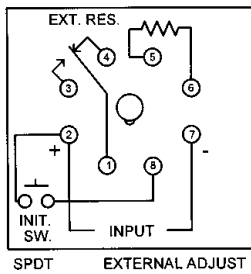


ORDER P/N BS8, 8 PIN SOCKET

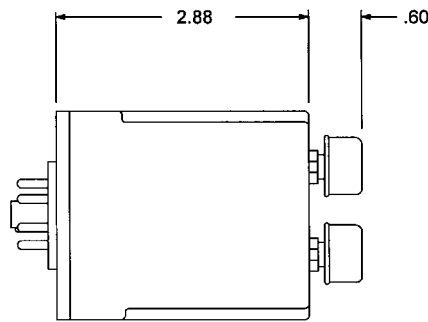
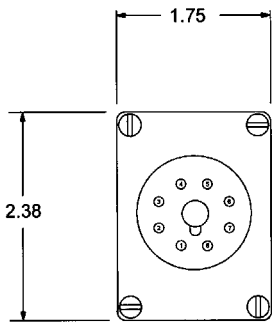


ORDER P/N BS11, 11 PIN SOCKET

STANDARD WIRING DIAGRAMS



OUTLINE DRAWING



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