

*Repeat Cycle-OFF Time
First DIP Switch TDR*

SPECIFICATIONS

TIME DELAY RANGE

A	0.1 to 102.3 SEC in 0.1 SEC Increments
B	1.0 to 1,023 SEC in 1.0 SEC Increments
C	10 to 10,230 SEC in 10 SEC Increments
D	0.1 to 102.3 MIN in 0.1 MIN Increments
E	1.0 to 1,023 MIN in 1.0 MIN Increments

OUTPUT RATING	10 A @ 250 VAC or 24 VDC, resistive
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ACCURACY	Setting ±2% or ±50 mSEC; whichever is greater
	Repeat ±0.1% or ±8.3 mSEC; whichever is greater

RESET TIMES	Before Time Out	100 mSEC
	After Time Out	50 mSEC

SUPPLY VOLTAGE	12, 24, 48, 120 or 240 VAC, 50/60 Hz; or DC; ±10%
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FALSE TRANSFER	No
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REVERSE POLARITY PROTECTED	Yes
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POWER REQUIRED	3 VA, approximately
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DUTY CYCLE	Continuous
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TEMPERATURE RATING	Operate 32° to 131°F (0° to +55°C) Storage -49° to 185°F (-45° to +85°C)
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LIFE EXPECTANCY	Mechanical	10 million operations, minimum
	Electrical	100,000 Operations @ rated load

INDICATORS	LED glows when relay is energized.
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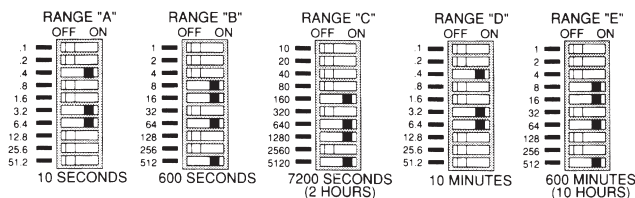
ISOLATION	1,500 volts, input/output
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WEIGHT	0.4 lbs.
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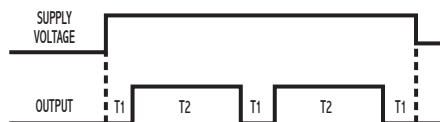
OPERATION

When supply voltage is applied to the input, the OFF time (T1) begins. Upon completion of the OFF time, the relay energizes and the ON time (T2) begins. Upon completion of the ON time, the relay de-energizes and one cycle is complete. This OFF/ON cycling continues until supply voltage is removed from the input. The OFF/ON time periods are independently selectable within the same range.

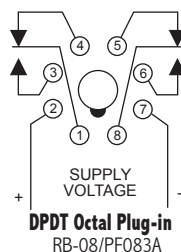
DIP SWITCH OPERATION



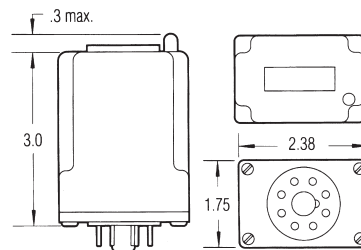
Digital selection of the time delay is accomplished by the use of ten (10) binary switches, each marked with a time increment. The time periods, of which there are five (5) ranges, represented by each switch in the ON position is added together to obtain the desired time delay. No more trial-by-error adjustments.



WIRING



DIMENSIONS



MODEL NUMBER

MODEL NUMBER	TBF				A
CONTROL VOLTAGE					
12 VDC	12	D			
24 VAC/DC	24	A			
48 VDC	48	D			
120 VAC/DC	120	A			
240 VAC	240	A			
TIME DELAY RANGE					
0.1 to 102.3 SEC in 0.1 SEC Increments					A
1.0 to 1,023 SEC in 1.0 SEC Increments					B
10 to 10,230 SEC in 10 SEC Increments					C
0.1 to 102.3 MIN in 0.1 MIN Increments					D
1.0 to 1,023 MIN in 1.0 MIN Increments					E
HOUSING					A