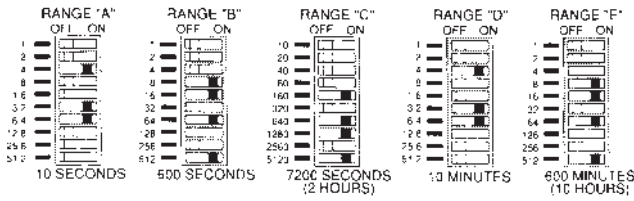


**OPERATION**

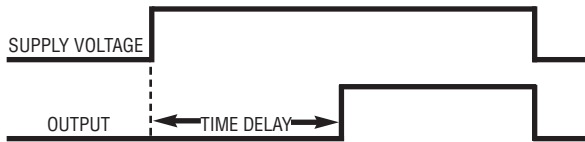
The time delay begins when supply voltage is applied to the input. Upon completion of the delay period, the relay energizes. Reset during or after the delay period is accomplished by removal of the supply voltage. The TBC Series will not false transfer if supply voltage is removed prior to completion of the delay period. A fast recycle time permits accurate, high speed, continuous operation.

**DIP SWITCH OPERATION**

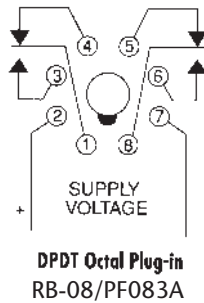


Digital selection of the time delay is accomplished by the use of ten (10) binary switches, each

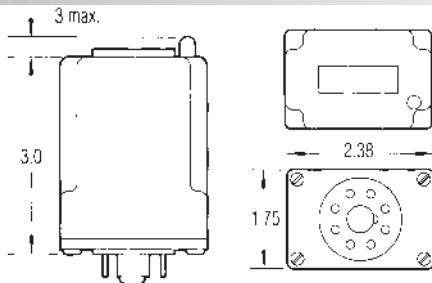
marked with a time increment. The time periods, of which there are five (5) ranges, represented by each switch in the ON position is added together to obtain the desired time delay. No more trial-by-error adjustments.



**WIRING**



**DIMENSIONS (INCHES)**



MODEL NUMBER >>>>>	TBC			A
<b>Control Voltage</b>				
12 Volts DC	12	D		
24 Volts AC/DC	24	A		
48 Volts DC	48	D		
120 Volts AC/DC	120	A		
240 Volts AC	240	A		
<b>Time Delay Range</b>				
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		

**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	
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%	
FALSE TRANSFER	No	
REVERSE POLARITY PROTECTED	Yes	
POWER REQUIRED	3 VA, approximately	
DUTY CYCLE	Continuous	
TEMPERATURE RATING	Operate	32° to 131°F (0° to +55°C)
	Storage	-49° to 185°F (-45° to +85°C)
LIFE EXPECTANCY	Mechanical	10 million operations, minimum
	Electrical	100,000 Operations @ rated load
INDICATORS	LED glows when relay is energized.	
ISOLATION	1,500 volts, input/output	
WEIGHT	0.35 lbs.	



On-Delay DIP Switch TDR