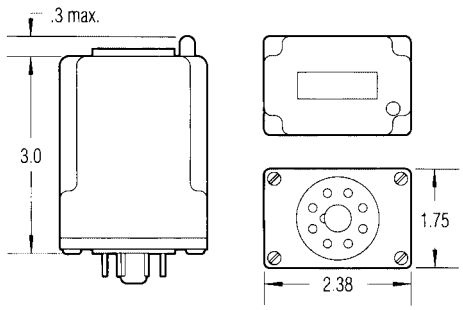
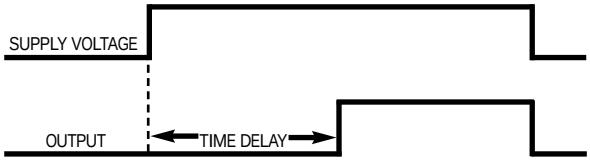
TBC SERIES

DIVERSIFIED ELECTRONICS

On-Delay DIP Switch

DIMENSIONS
INCHES

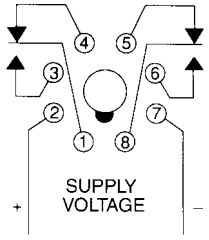




OPERATION

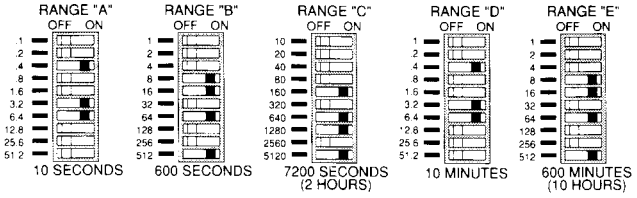
The time delay begins when supply voltage is applied to the input. Upon completion of the delay period, the relay energizes. Reset during or after the delay period is accomplished by removal of the supply voltage. The TBC Series will not false transfer if supply voltage is removed prior to completion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

WIRING DIAGRAM



DPDT Octal Plug-in
RB-08/PF083A

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.

ORDERING INFORMATION

TBC-XXX-X XA

CONTROL VOLTAGE
12-D = 12 Volts DC
24-A = 24 Volts AC/DC
48-D = 48 Volts DC
120-A = 120 Volts AC/DC
240-A = 240 Volts AC

TIME DELAY RANGE
A = 0.1 to 102.3 Seconds in 0.1 Sec. Increments
B = 1.0 to 1,023 Seconds in 1.0 Sec. Increments
C = 10 to 10,230 Seconds in 10 Sec. Increments
D = 0.1 to 102.3 Minutes in 0.1 Min. Increments
E = 1.0 top 1,023 Minutes in 1.0 Min. Increments

SPECIFICATIONS

SUPPLY VOLTAGE: 12, 24, 48, 120 or 240 VAC, 50/60 Hz; or DC; ±10%

TIME DELAY RANGE: See Ordering Information.

ACCURACIES:
Setting: ±2% or ±50 milliseconds; whichever is greater
Repeat: ±0.1% or ±8.3 milliseconds; whichever is greater

RESET TIMES
Before Time Out: 100 milliseconds
After Time Out: 50 milliseconds

OUTPUT RATING: 10 A @ 250 VAC or 24 VDC, resistive

TEMPERATURES
Operate: 32° to 131°F (0° to +55°C)
Storage: -49° to 185°F (-45° to +85°C)

FALSE TRANSFER: No

REVERSE POLARITY PROTECTED: Yes

POWER REQUIRED: 3 VA, approximately

DUTY CYCLE: Continuous

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