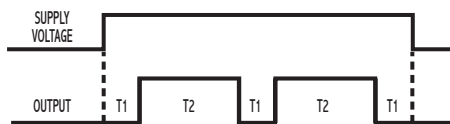


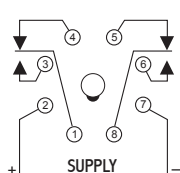
**OPERATION**

Application of voltage to the input of the timer initiates the OFF time. Upon completion of the OFF time, the relay energizes and the ON time begins. Upon completion of the ON time, the relay de-energizes and one cycle is completed. This OFF/ON cycling continues until voltage is removed from the input. The OFF/ON time periods are independently adjustable.

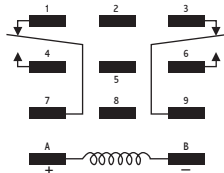


*Repeat Cycle-OFF Time  
First Relay Output*

**WIRING**

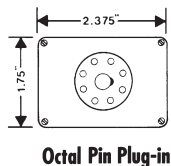
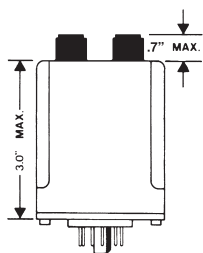


**DPDT Octal Plug-in**  
RB-08/PF083A



**DPDT Blade Plug-in**  
70-463-1

**DIMENSIONS (INCHES)**



**Octal Pin Plug-in**

**MODEL NUMBER**

|   |     |  |   |   |  |  |
|---|-----|--|---|---|--|--|
| <b>MODEL NUMBER</b>                       | TDF |  | A |   |  |  |
| <b>SUPPLY VOLTAGE</b>                     |     |  |   |   |  |  |
| 24 VAC or DC                              | 24  |  |   |   |  |  |
| 110/120 VAC or DC                         | 120 |  |   |   |  |  |
| <b>TYPE OF OPERATION</b>                  |     |  |   |   |  |  |
| Knob Adjustable                           |     |  | K |   |  |  |
| Lock Nut Adjustable                       |     |  | L |   |  |  |
| Fixed                                     |     |  | F |   |  |  |
| <b>ENCLOSURE STYLE</b>                    |     |  |   |   |  |  |
| 8-pin octal plug-in                       |     |  |   | A |  |  |
| Blade plug-in                             |     |  |   | B |  |  |
| <b>DELAY PERIOD</b>                       |     |  |   |   |  |  |
| See page 77 for standard ranges available |     |  |   |   |  |  |

Example: TDF-120-ALA-300—Repeat cycle, 120 Volts AC or DC, lock nut adjustable from 3 to 300 seconds, 8-pin octal plug-in, UL recognized.

**SPECIFICATIONS**

**TIMING RANGES**

Virtually unlimited. See page 77 for standard ranges available.

**OUTPUT RATING** DPDT, 10 A @ 250 VAC or 24 VDC, resistive;  
211 VA @ 120 VAC, inductive

**TIMING** Minimum Setting +0 – 20%

**TOLERANCES** Maximum Setting ±10%;

**REPEATABILITY** 1% maximum; no first cycle effect

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

**RECYCLE TIME** 40 mSEC

**SUPPLY VOLTAGE** 24 or 120 VAC or VDC, 50/60 Hz; ±10%

**FALSE TRANSFER** No

**REVERSE POLARITY PROTECTED** Yes

**POWER CONSUMPTION** 3 watts (approximately)

**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

**WEIGHT** 6.4 oz.