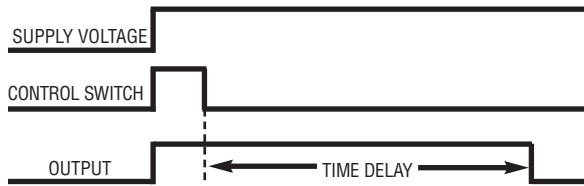


OPERATION

Voltage is continuously applied to the input. An external isolated switch controls the timer. When closed, the relay energizes. Opening the switch initiates the delay period. Upon completion of the delay period, the relay de-energizes. If the control switch recloses during the delay period, the relay remains energized and the timer resets to zero.

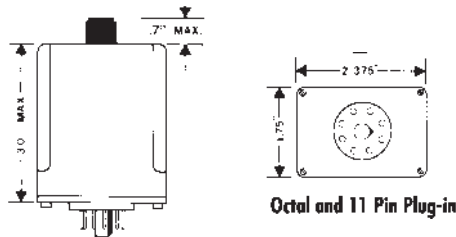


WIRING



DPDT 11 Pin Plug-in RB-11/PF113A
 DPDT 11 Pin Plug-in External Resistor Adjustable RB-08/PF083A
 SPDT Octal Plug-in RB-08/PF083A
 DPDT Blade Plug-in 70-463-1

DIMENSIONS (INCHES)



| | | | |
|---|-----|---|---|
| MODEL NUMBER >>>>> | T | D | A |
| Series | | | |
| Relay output | D | | |
| Relay Output with CSA U* | | | |
| Supply Voltage | | | |
| 24 Volts AC or DC | 24 | | |
| 110/120 Volts AC or DC | 120 | | |
| Type of Operation | | | |
| Knob Adjustable | K | | |
| Lock Nut Adjustable | L | | |
| Fixed | F | | |
| External Resistor Adjustable R** | | | |
| Enclosure Style | | | |
| 8 or 11-pin octal plug-in | A | | |
| Blade plug-in | B | | |
| Delay Period | | | |
| See page 84 for standard ranges available | | | |

Example:
 TDD-120-AKA-600—Delay on Release, 120 Volts AC or DC, knob adjustable from 6 to 600 seconds, 11-pin octal plug-in UL Recognized.

Notes:
 * The TUD series is offered in 120 Volts, octal plug-in (figure 17) style A enclosure only with optional types of operation K, L, or F. CSA certified: File #LR40123
 ** TDD's using the "R" option are not UL Recognized. The "R" option is NOT offered in the TUD series or the style B enclosure.



OFF-Delay Relay Output

SPECIFICATIONS

| | | |
|----------------------------|---|--|
| TIMING RANGES | Virtually unlimited. See page 84 for standard ranges available. | |
| OUTPUT RATING | DPDT | 10 A @ 250 VAC or 24 VDC, resistive; 211 VA @ 120 VAC, inductive |
| | SPDT | 10 A @ 120 VAC, resistive; 211 VA @ 120 VAC, inductive |
| TIMING TOLERANCES | Minimum Setting | +0-20% |
| | 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) | |
| 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 |
| WEIGHT | 6 oz. | |