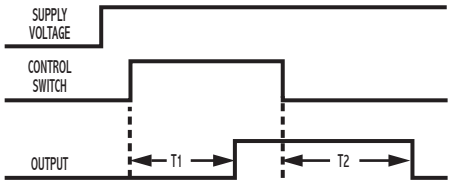
OPERATION

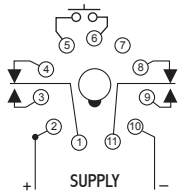
Voltage is continuously applied to the input. An external isolated switch controls the timer. When closed, the ON delay (T1) begins. Upon completion, the relay energizes. When the switch opens, the OFF delay (T2) begins. Upon completion, the relay de-energizes and the cycle is complete. Reset is accomplished by reclosing the control switch after the timing cycle has completed. If the switch opens during the ON delay mode, the relay will remain de-energized and (T1) will reset. If the switch is reclosed during the OFF delay mode, the relay will remain energized and (T2) will reset. Both delay periods are independently adjustable.



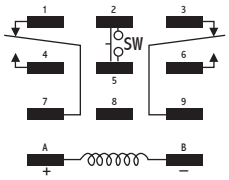
E55826

ON-Delay/OFF-Delay Relay Output

WIRING

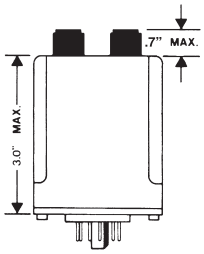


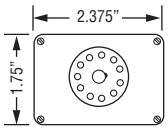
DPDT 11 Pin Plug-in
RB-11/PF113A



DPDT Blade Plug-in
70-463-1

DIMENSIONS (INCHES)





11 Pin Plug-in

MODEL NUMBER

MODEL NUMBER	TDJ		A			
SUPPLY VOLTAGE						
24 VAC or DC		24				
110/120 VAC or DC		120				
TYPE OF OPERATION						
Knob Adjustable				K		
Lock Nut Adjustable				L		
Fixed				F		
ENCLOSURE STYLE						
11-pin Round Plug-in					A	
Blade Plug-in					B	
DELAY PERIOD						
See page 82 for standard ranges available						

Example: TDJ-120-ALA-300—Delay on Operate/Delay on Release, 120 Volts AC or DC, lock nut adjustable from 3 to 300 seconds, 11-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 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	6.4 oz.	