



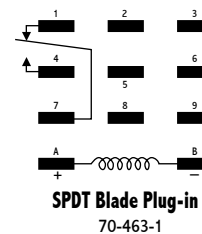
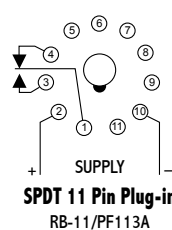
Programmable Multi-Mode Relay Output

SPECIFICATIONS

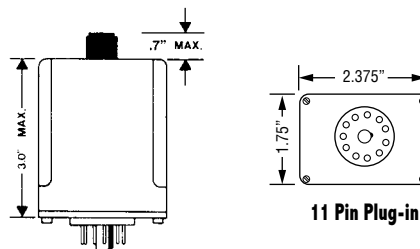
TIMING RANGES	1	0.15 to 15 SEC
	2	0.6 to 60 SEC
	3	5 to 480 SEC
	4	0.6 to 64 MIN
OPERATING MODES	1	Interval
	2	ON-Delay
	3	OFF-Delay
	4	Single Shot
	5	Flasher – OFF First
	6	Flasher – ON First
OUTPUT RATING	SPDT, 10 A @ 24 VDC or 250 VAC, resistive; 211 VA @ 120 VAC, inductive	
TIMING TOLERANCES	Minimum Setting	+0 – 20%
	Maximum Setting	±10%
REPEATABILITY	0.1% typical; 0.5% maximum	
RESET TIMES	Before Time Out	100 mSEC
	After Time Out	50 mSEC
RECYCLE TIME	40 mSEC	
SUPPLY VOLTAGE	24, 120 or 240 VAC, 50/60 Hz; or 12, 24, 48 or 110 VDC, ±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	5 oz.	

The TDU Series is one of the most versatile single timers available today. One model replaces forty-eight industry standard devices; 4 wide delay ranges x 6 most common modes of operation x 2 supply voltages—since they will operate on both AC and DC. The CMOS digital circuitry provides high accuracy, repeatability and fast reset times. The heavy duty relays are rated for continuous operation at 10 amps. All programming is easily accomplished externally by using one or more jumpers between designated base pins—no trap doors to open, no switches to set, no disassembly required.

WIRING



DIMENSIONS (INCHES)



MODEL NUMBER

MODEL NUMBER	TDU				
SUPPLY VOLTAGE					
12 VDC	12	D			
24 VAC or DC	24	A			
48 VDC	48	D			
110/120 VAC or DC	120	A			
240 VAC	240	A			
TYPE OF OPERATION					
Knob Adjustable				K	
Lock Nut Adjustable				L	
ENCLOSURE STYLE					
11-pin Round Plug-in					A
Blade Plug-in					B

Example: TDU-120-AKA—Multi mode, 120 Volts AC or DC, knob adjustable, 11-pin round plug-in, multi range .15 seconds to 64 minutes.