

# Delay On Make (Operate) TRM Series Time Delay Relay



10  
YEAR  
WARRANTY

5

- 10 A DPDT or SPDT Output Contacts
- 24 ... 230 V Operation in Ranges
- Octal or 11 Pin Plug-in
- Fixed or Adjustable Delays from 0.05 to 600 s in ranges
- +/-2% Repeat Accuracy
- Hold Down Clips Available

Approvals:

\*\* 8 pin models used in combination with P1011-6 socket only.

### Description

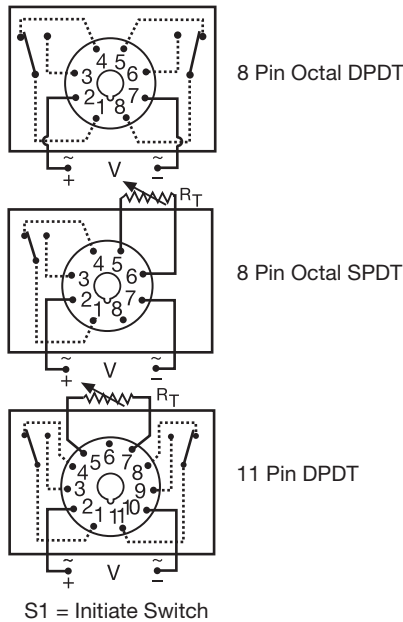
The TRM Series is a combination of analog electronic circuitry and electromechanical relay output. It provides input to output isolation with a wide variety of input voltages and time ranges. Standard plug-in base wiring, fast reset, rugged enclosure, and good repeat accuracy make the TRM a select choice in any OEM application.

### Operation

Upon application of input voltage, the time delay begins. The output is de-energized before and during the time delay. At the end of the time delay, the output relay energizes and remains energized until input voltage is removed.

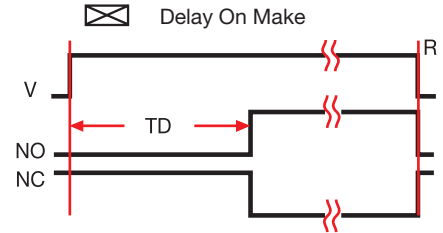
**Reset:** Removing input voltage resets the time delay and output.

### Connection



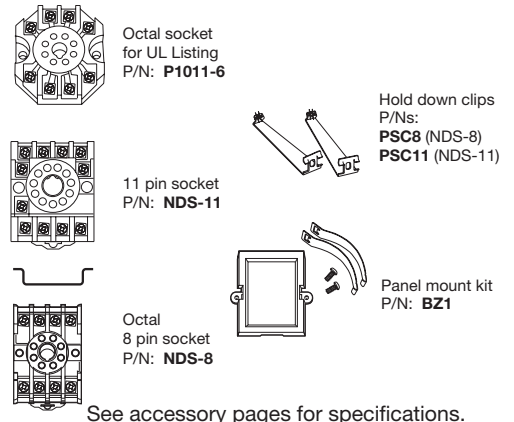
Relay contacts are isolated. Dashed lines are internal connections.  
R<sub>T</sub> is used when external adjustment is ordered.

### Function



V = Voltage TD = Time Delay R = Reset  
NO = Normally Open NC = Normally Closed  
— = Undefined time

### Accessories



### Ordering Table

TRM Series	X Input	X Adjustment and Output Form	X Time Tolerance	X Time Delay* (Seconds)
	- 24A - 24 V AC	- 1 - Fixed, Octal, DPDT	- X - +/-20%	- 0.05 ... 1
	- 24D - 24 V DC/28 V DC	- 2 - Knob Adjust, Octal, DPDT	- Y - +/-10%	- 0.05 ... 2
	- 110D - 110 V DC	- 3 - Lock Shaft Adjust, Octal, DPDT	- Z - +/- 5%	- 0.05 ... 3
	- 120A - 120 V AC	- 5 - Ext. Adjust, 11 Pin, DPDT without Potentiometer		- 0.1 ... 5
	- 230A - 230 V AC	- 6 - Ext. Adjust, 11 Pin, DPDT supplied with Potentiometer		- 0.1 ... 10
		- 8 - Ext. Adjust, Octal, SPDT, without Potentiometer		- 1 ... 30
		- 9 - Ext. Adjust, Octal, SPDT, with Potentiometer		- 1 ... 60
				- 2 ... 120
				- 2 ... 180
				- 7 ... 240
				- 7 ... 300
				- 7 ... 360
				- 7 ... 420
				- 7 ... 480
				- 7 ... 600

\*If Fixed Delay is selected, insert delay [0.05 ... 600] in seconds

### Example P/N:

TRM120A2Y30 = 120 VAC, knob adjust, Octal, DPDT output, +/-10%, 1 to 30 s  
TRM230A1X10 = 230 VAC, fixed at 10 s, +/-20%, Octal base, DPDT output