

Time Delay Relays

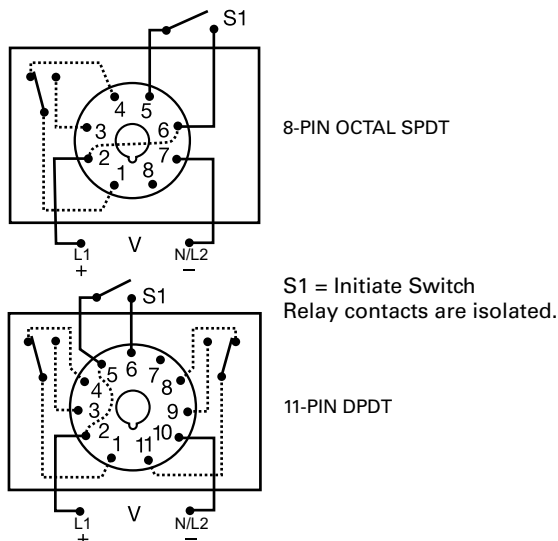
SINGLE SHOT

TDS / TDSH / TDSL Series

Relay Output, Single Shot Time Delay Relay



Wiring Diagram



Description

The TDS series combines accurate digital circuitry with isolated, 8 A rated, DPDT or SPDT relay contacts in an 8-pin or 11-pin plug-in package. The TDS series features DIP switch selectable time delays ranging from 0.1s to 10,230 s in three ranges. The TDS series is the product of choice for custom control panel and OEM designers.

Operation (Single Shot)

Input voltage must be applied to the input before and during timing. Upon momentary or maintained closure of the initiate switch (leading edge triggered), the output relay energizes for a measured interval of time. At the end of the delay, the output de-energizes. Opening or reclosing the initiate switch during timing has no effect on the time delay. The output will energize if the initiate switch is closed when input voltage is applied.

Reset: Reset occurs when the time delay is complete and the initiate switch is opened. Loss of input voltage resets the time delay and output.

Features & Benefits

FEATURES	BENEFITS
3 time ranges available (0.1 s to 2.8 h)	Makes it versatile for use in many applications
Microcontroller based	Repeat Accuracy + / - 0.1 %; Setting Accuracy + / - 2 %
LED indication (select models)	Provides visual indication of relay status
DIP switch adjustment	Provides first time setting accuracy
Isolated output contacts	Allows control of loads with independent voltage sources

Ordering Information

MODEL	INPUT VOLTAGE	DELAY RANGE (SEC)	LED	PLUG TYPE/OUTPUT FORM
TDS120AL	120 V ac	1–1023 in 1 s increments	X	Octal (8-pin) plug, SPDT
TDS120ALD	120 V ac	1–1023 in 1 s increments	X	11-pin plug, DPDT
TDS12D	12 V dc	1–1023 in 1 s increments		Octal (8-pin) plug, SPDT
TDS230AL	230 V ac	1–1023 in 1 s increments	X	Octal (8-pin) plug, SPDT
TDS24AL	24 V ac	1–1023 in 1 s increments	X	Octal (8-pin) plug, SPDT
TDSH120AL	120 V ac	10–10230 in 10 s increments	X	Octal (8-pin) plug, SPDT
TDSL120AL	120 V ac	0.1–102.3 in 0.1 s increments	X	Octal (8-pin) plug, SPDT

