

# TDB / TDBH / TDBL SERIES

## Relay Output, Delay-on-Break



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

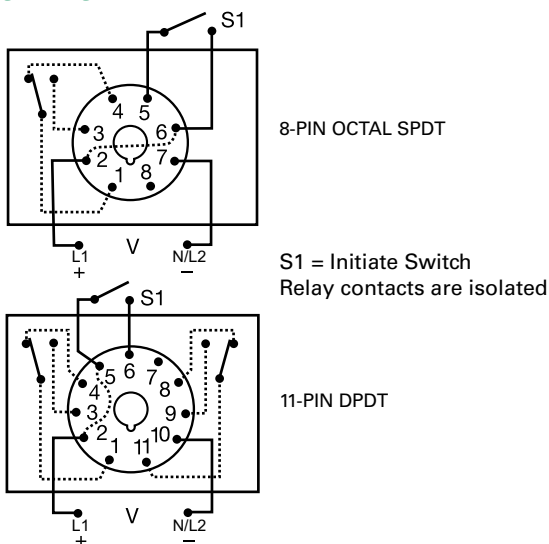


8-PIN



11-PIN

### Wiring Diagram



### Description

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

#### Operation (Delay-on-Break)

Input voltage must be applied to the input before and during timing. Upon closure of the initiate switch, the output relay is energized. The time delay begins when the initiate switch is opened (trailing edge triggered). The output remains energized during timing. At the end of the time delay, the output de-energizes. The output will energize if the initiate switch is closed when input voltage is applied.

**Reset:** Reclosing the initiate switch during timing resets the time delay. Loss of input voltage resets the time delay and output.

### Features & Benefits

FEATURES	BENEFITS
<b>3 time ranges available (0.1s to 2.8h)</b>	Makes it versatile for use in many applications
<b>Microcontroller based</b>	Repeat Accuracy + / - 0.1% or 20ms, whichever is greater; Setting Accuracy + / - 2% or 50ms, whichever is greater
<b>LED indication (select models)</b>	Provides visual indication of relay status
<b>DIP switch adjustment</b>	Provides first time setting accuracy
<b>Isolated output contacts</b>	Allows control of loads for AC or DC voltages

For dimensional drawing see: Appendix, page 512, Figure 23.

### Ordering Information

MODEL	INPUT VOLTAGE	DELAY RANGE (SEC)	LED	TYPE PLUG/OUTPUT FORM
TDB120AL	120VAC	1-1023 in 1s increments	X	Octal (8-pin) plug, SPDT
TDB120ALD	120VAC	1-1023 in 1s increments	X	11-pin plug, DPDT
TDB12D	12VDC	1-1023 in 1s increments		Octal (8-pin) plug, SPDT
TDB230AL	230VAC	1-1023 in 1s increments	X	Octal (8-pin) plug, SPDT
TDB24AL	24VAC	1-1023 in 1s increments	X	Octal (8-pin) plug, SPDT
TDB24DL	24VDC/ 28VDC	1-1023 in 1s increments	X	Octal (8-pin) plug, SPDT
TDBH120AL	120VAC	10-10230 in 10s increments	X	Octal (8-pin) plug, SPDT
TDBH120ALD	120VAC	10-10230 in 10s increments	X	11-pin plug, DPDT
TDBL120AL	120VAC	0.1-102.3 in 0.1s increments	X	Octal (8-pin) plug, SPDT
TDBL120ALD	120VAC	0.1-102.3 in 0.1s increments	X	11-pin plug, DPDT
TDBL24DL	24VDC/ 28VDC	0.1-102.3 in 0.1s increments	X	Octal (8-pin) plug, SPDT

If you don't find the part you need, call us for a custom product 800-843-8848