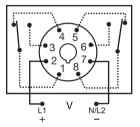


# Connection:



Relay contacts are isolated.

The TDM Series is a delay-on-make timer that combines accurate digital circuitry with isolated, DPDT relay contacts in an industry standard 8-pin plug-in package. DIP switch adjustment allows precise selection of the time delay over the full time delay range. The TDM Series is the product of choice for custom control panel and OEM designers.

#### Operation (Delay-on-Make):

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

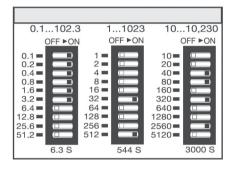
Reset: Removing input voltage resets the time delay and output.

For more information see:

Appendix A, pages 156-164 for function descriptions and diagrams.

Appendix B, page 165, Figure 8 for dimensional drawing.

## **Digi-Set Binary Switch Operation:**



#### Features:

- Switch settable time delay
- Three time ranges from 0.1s 10,230s
- ±0.1% repeat accuracy
- ±2% setting accuracy
- 10A, DPDT output contacts
- LED indication

Approvals: (E AL @ (L)



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

### **Auxiliary Products:**

- Panel mount kit: P/N: BZ1
- 8-pin socket: P/N: NDS-8
- Hold-down clips (sold in pairs): P/N: PSC8 (NDS-8)
- Octal socket for UL listing: P/N: P1011-6
- DIN rail: P/N: C103PM (Al)

#### **Available Models:**

TDM120AL	TDMH24DL
TDM12DL	TDML110DL
TDM230AL	TDML120AL
TDM24AL	TDML12DL
TDM24DL	TDML230AL
TDMH120AL	TDML24DL
TDMH24AL	

If desired part number is not listed, please call us to see if it is technically possible to build.

### **Order Table:**

**TDM** - 1 - 1023s in 1s increments **TDMH** - 10 - 10,230s in 10s increments **TDML** - 0.1 - 102.3s in 0.1s increments

Input Voltage -1<mark>2</mark>D - 12VDČ -24A - 24VAC -24D - 24VDC/28VDC -110D - 110VDC

> -120A - 120VAC -230A - 230VAC

LED Indication

### Specifications

Rating	. 10A resistive @ 120/240VAC & 28VDC; 1/3 hp @ 120/240VAC
Life	. Mechanical - 1 x107; Electrical - 1 x 106
Protection	
Polarity	. DC units are reverse polarity protected
Isolation Voltage	. ≥ 1500V RMS input to output
Mechanical	1 1
Mounting	. Plug-in socket
Dimensions	. 3.2 x 2.39 x 1.78 in. (81.3 x 60.7 x 45.2 mm)
Termination	
Environmental	1 1 0
Operating / Storage Temperature	20° to 65°C / -30° to 85°C
Weight	. ≅ 6 oz (170 g)

\*For CE approved applications, power must be removed from the unit when a switch position is changed.