

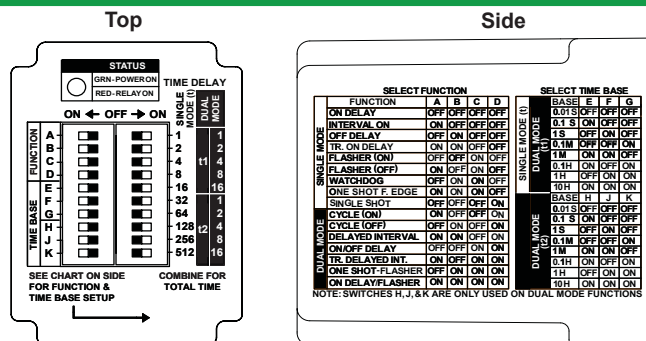
TD-8 SERIES

DIP-SWITCH | DIGITAL-SET

PROGRAMMING FUNCTION & TIME DELAY

(TD-881 Series Multi-Function Only)

Programming is accomplished through the use of two 10-position DIP-switches. Switches A-D of the left-mounted DIP-switch are used to select a function (see the descriptions of how each function operates in "Definition of Timing Functions" in this catalog). Switches E, F & G of the same DIP-switch are used to select the time base (t) for single mode functions and (t1) for dual mode functions. Switches H, J & K are used to select the time base (t2) for dual mode functions. A convenient chart is on the side of the product to clearly illustrate how to set both the function and time base.



The right-mounted 10-position DIP-switch is used to select the time delay within the time base or bases selected with switches E-K from the first DIP-switch. Each position on the right-mounted DIP-switch is marked with a time increment. The required delay, (t) for single mode functions or (t1) and (t2) for dual mode functions, is selected by moving the switch of each increment to the ON position and adding their corresponding values. NOTE: Dual mode functions can either have the same or different (t1) and (t2) times as well as different time bases. NOTE: Switches H, J, & K are only used on dual mode functions and are not used for single mode functions.

LED Indicator: Green ON--Power, Red ON--Relay Energized

APPLICATION DATA

Voltage Tolerance:

AC Operation: +10/-15% of nominal at 50/60 Hz.
DC Operation: +10/-15% of nominal.

Load (Burden): 2 VA

Setting Accuracy:

Constant Voltage & Temperature w/i specifications:
±0.1% of set time or ±50ms, whichever is greater
For Variable Voltage & Temperature w/i specifications:
±1% of set time or ±50ms, whichever is greater

Repeat Accuracy:

Constant Voltage & Temperature w/i specifications:
±0.1% of set time or ±0.02 seconds, whichever is greater
For Variable Voltage & Temperature w/i specifications:
±1% of set time or ±0.02 seconds, whichever is greater
±1% of set time or ±0.02 seconds, whichever is greater

Reset Time:

All Functions Triggered by a Control Switch: 0.04 Seconds
All Other Functions: 0.1 Seconds

Start-up Time:

(Time from when power is applied until unit is timing)
0.05 Seconds for all units

Maintain Function Time:

(Time unit continues to operate after power is removed)
0.01 Seconds for all units

Insulation Voltage: 2,000 volts

Temperature: Operating: -28° to 65°C (-18° to 149°F)
Storage: -40° to 85°C (-40° to 185°F)

Output Contacts:

DPDT 10A @ 240V AC/30V DC,
1/2HP @ 120/240V AC (N.O.), 1/3HP @ 120V AC (N.C.)
B300 & R300; AC15 & DC13

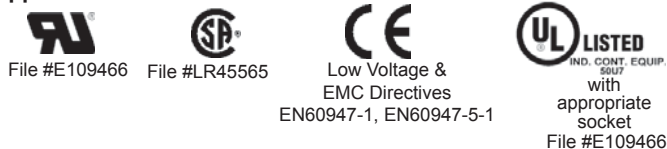
Life:

Mechanical: 10,000,000 operations
Full Load: 100,000 operations

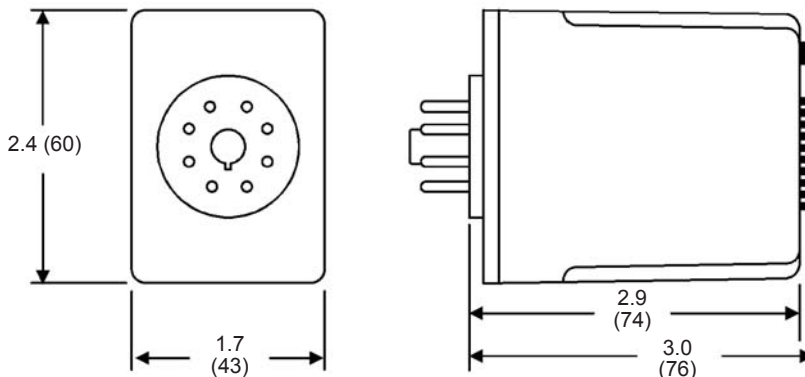
Control Switch Triggered Units:

Minimum required trigger switch closure time is 0.05 seconds.

Approvals:



DIMENSIONS



All Dimensions in Inches (Millimeters)