

# TD-7 SERIES TIME RANGER™

## APPLICATION DATA

### Voltage Tolerance:

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

### Load (Burden):

3 VA

### Setting Accuracy:

**Constant Voltage & Temperature w/i specifications:**  
 $\pm 0.1\%$  of set time or  $\pm 50\text{ms}$ , whichever is greater

**For Variable Voltage & Temperature w/i specifications:**  
 $\pm 1\%$  of set time or  $\pm 50\text{ms}$ , whichever is greater

### Repeat Accuracy:

**Constant Voltage & Temperature w/i specifications:**  
 $\pm 0.1\%$  of set time or  $\pm 0.02$  seconds, whichever is greater

**For Variable Voltage & Temperature w/i specifications:**  
 $\pm 1\%$  of set time or  $\pm 0.02$  seconds, whichever is greater

### Reset Time:

On Delay/Interval/Flasher: 0.1 Seconds  
Functions with Control Switches: 0.04 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

**Temperature:** Operating:  $-28^{\circ}$  to  $65^{\circ}\text{C}$  ( $-18^{\circ}$  to  $149^{\circ}\text{F}$ )  
Storage:  $-40^{\circ}$  to  $85^{\circ}\text{C}$  ( $-40^{\circ}$  to  $185^{\circ}\text{F}$ )

**Insulation Voltage:** 2,000 volts

### Output Contacts:

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

### Life:

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

### Compatibility:

Using a solid state switch to initiate the time sequence is acceptable.

### Initiating Units with Control Switch Triggers:

Timing sequence must be initiated only after input voltage is applied to unit. Minimum required trigger switch closure time is 0.1 seconds.

### LED:

Red LED. Refer to instruction sheet provided with product to determine code for relay & timing status.

### Approvals:



File #E109466



File #LR45565

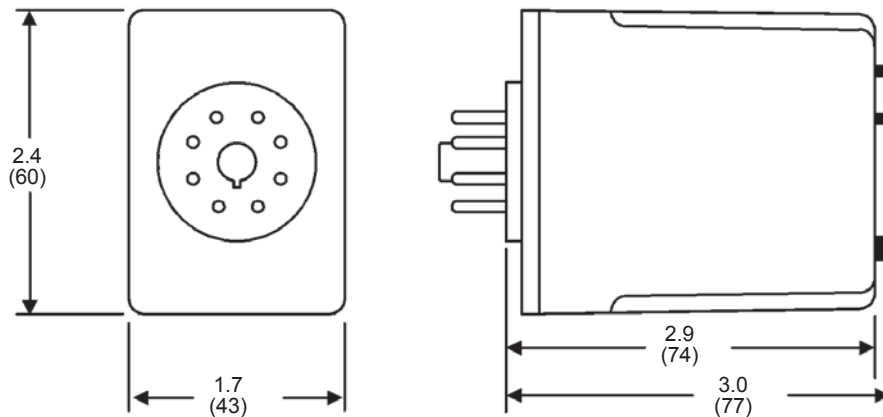


Low Voltage &  
EMC Directives  
EN60947-1, EN60947-5-1



IND. CONT. EQUIP  
5007  
with  
appropriate  
socket  
File #E109466

## DIMENSIONS



All Dimensions in  
Inches (Millimeters)