TR-5 SERIES
NON-PROGRAMMABLE

APPLICATION DATA

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

Load (Burden):
Maximum of 2 VA for all voltages

Setting Accuracy:
Maximum Setting (Adjustable): +5%, -0%
Minimum Setting (Adjustable): +0%, -50%
Fixed Time Delay: ±2% or 50ms, whichever is greater

Repeat Accuracy (constant voltage and temperature)**:**
±0.1% or ± 0.04 seconds, whichever is greater

Reset Time:
Input Voltage (All Functions) 0.100 Seconds
Triggered Functions only 0.04 Seconds

Start-up Time:
(Time from when power is applied until unit is timing)
0.05 Seconds

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

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

Output Contacts:
(All TR-5 Series Products except TR-506 & TR-546)
DPDT 10A @ 240V AC/30V DC,
1/2HP @ 120/240V AC (N.O.), 1/3HP @ 120/240V AC (N.C.)
B300 & R300; AC15 & DC13

(TR-506 & TR-546)
DPDT 10A @ 240V AC; 8A @ 28V DC,
1/2 HP @ 240V AC, 1/4HP @ 120V AC
B300 & R300

Life:
Mechanical: 10,000,000 operations (2,000,000 operations on TR-506 & TR-546 Series only)
Full Load: 100,000 operations

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

Triggering Off Delay, Single Shot or Watchdog Units:
Timing sequence must be initiated only after input voltage is applied to unit. Minimum required trigger switch closure time is 0.05 seconds.

IMPORTANT FOR TR-506 & TR-546 SERIES ONLY: These relays are shipped from the factory in the OFF state. A shock to the relay during shipping or installation may cause it to change to the ON state. It is recommended that input voltage be applied to the product for at least 0.1 second and removed to cycle the unit to the OFF state prior to use in the application. Please note that it will take as long as the OFF Delay setting to reset the unit once input voltage has been removed.

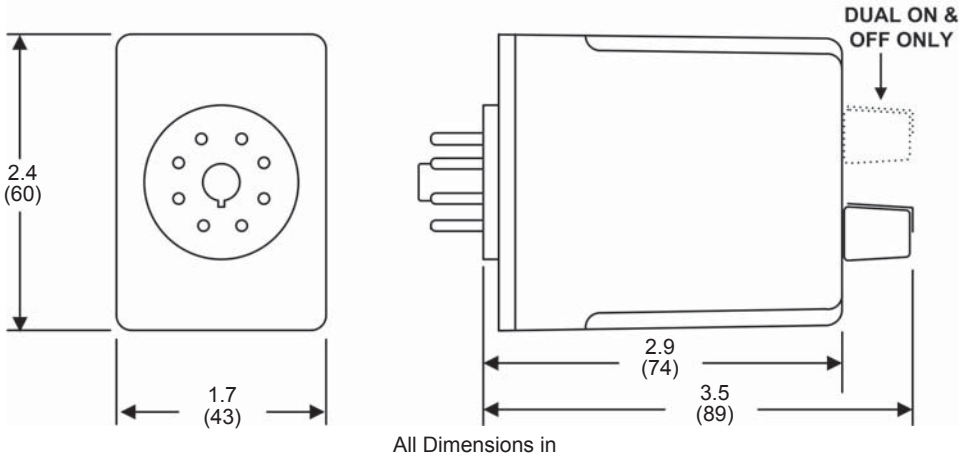
Approvals:

(All TR-5 Series Products except TR-506 & TR-546)
File #E109466 File #LR45565

(TR-506 & TR-546 only)
File #E109466

(All TR-5 Series Products)
Low Voltage & EMC Directives EN60947-1, EN60947-5-1
with appropriate socket File #E109466

DIMENSIONS



All Dimensions in Inches (Millimeters)

NON-PROGRAMMABLE | OFF DELAY, SINGLE SHOT & WATCHDOG

8 Pin | SPDT Versions | TR-5 Series

Application Data

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Maximum of 2 VA for all voltages

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Minimum Setting (Adjustable): +0%, -50%
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Repeat Accuracy (constant voltage and temperature)**:**
±0.1% or ± 0.04 seconds, whichever is greater

Reset Time:

Input Voltage (All Functions)	0.100 Seconds
Triggered Functions only	0.04 Seconds

Start-up Time:

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

Maintain Function Time:

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

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

Output Contacts:

SPDT 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.

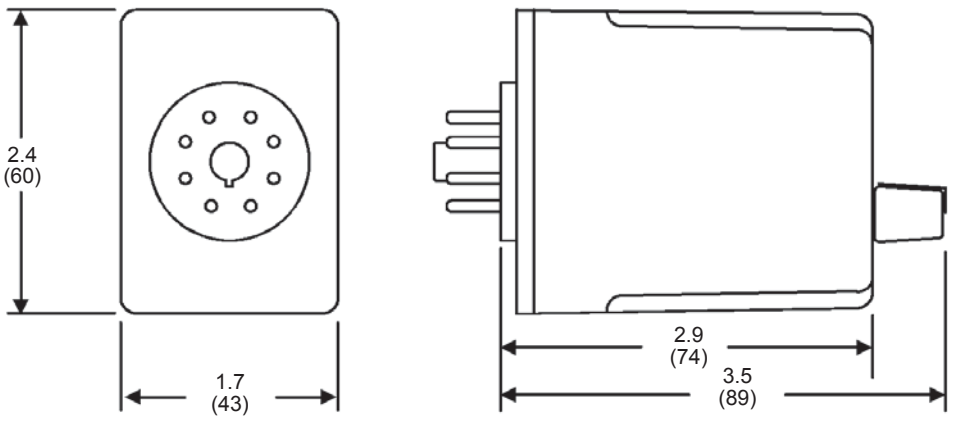
Triggering Off Delay, Single Shot or Watchdog Units:

Timing sequence must be initiated only after input voltage is applied to unit. Minimum required trigger switch closure time is 0.05 seconds.

Approvals:

File #E109466 | File #LR45565 | Low Voltage & EMC Directives EN60947-1, EN60947-5-1 | with appropriate socket File #E109466

Dimensions



All Dimensions in
Inches (Millimeters)