TGL-E Timers

TGL-E timers with dipswitch adjustment offer precise timing accuracy in a compact 2.5” x 2.5” encapsulated configuration.

Three models offer time periods from 0.1 to 102.3 seconds, 1 to 1023 seconds and 10 to 10230 seconds.

Available with relay output ratings up to 20 amps, the advanced circuitry provides this timing module with unsurpassed accuracy and reliability.

Timing Mode

Application of input voltage to the timer energizes the load and starts the time delay. At the end of the time delay, the load is de-energized. Removal and re-application of input voltage resets the timer.

FEATURES

- Precise timing accuracy in three ranges:
  0.1 to 102.3 seconds in 0.1-second increments
  1 to 1023 seconds in 1-second increments
  10 to 10230 seconds in 10-second increments
- Easy to program with 10-position binary dipswitch
- Easy to install with one #8 screw, 0.25” quick connects
- Relay output ratings up to 20 amps
- No leakage in N.O. position
- No heat sinking required
- 100% Load isolation
- Transient and polarity protected
- No minimum load required
- Totally encapsulated for protection from harsh environments
- 0.5% Repeat accuracy
- 100% Operational testing before shipping
- RoHS compliant
**Input Voltage:** +20%/-10%
- VDC: 12 or 24
- VAC: 12, 24, 120, 230, 50/60Hz

**Time Delay:**
- Timing Mode: Interval On
- Type: Digital CMOS
- Time Range: 0.1 to 1023 seconds
  - 1.0 to 10230 seconds

**Repeatability:** ±0.5%

**Setting Accuracy:** ±5% or 50 milliseconds, whichever is greater

**Reset Time:** 100 milliseconds

**Relay Life Expectancy:**
- Mechanical: Up to 10 million operations
- Electrical: 100,000 operations at max. load

**Protection:**
- Polarity Protection: All DC units have reverse polarity protection
- Transient Protection: 18 joules
- Dielectric Strength: 1800V RMS 60Hz

**Temperature Ranges:**
- Storage: -40°C to +85°C
- Operating: -25°C to +65°C

**Time Adjustment:**
To set a time period, simply add up the switches in the On position for the total delay in seconds

**Options Selection**

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<th>Time Ranges</th>
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<td>TGL</td>
<td>1 120 VAC</td>
<td>102S3 0.1 to 102.3 seconds</td>
<td>E Dipswitch</td>
<td>1 SPDT</td>
<td>H 10 Amps</td>
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<tr>
<td></td>
<td></td>
<td>2 230 VAC</td>
<td>1023 1 to 1023 seconds</td>
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<td>2 SPST (N.O.)</td>
<td>J 20 Amps (1.5 HP)</td>
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<td>3 24 VAC</td>
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<td>3 SPST (N.C.)</td>
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<td>4 24 VDC</td>
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<td>7 12 VDC</td>
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Specifications subject to change without notice.