TGLB-E Timers

TGLB-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.

The TGLB-E relay common is internally connected to (+) or hot.

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 dip switch

- Easy to install with one #8 screw, 1/4” 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 102.3 seconds
  - 1.0 to 1023 seconds
  - 10 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

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**OPTIONS SELECTION**

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Specifications subject to change without notice.