TH3L Timers
TH3L timers are solid state output units with digital timing. The TH3L comes in a 2” square case.
Ease of installation and hook-up is a primary design benefit. All models with integral time adjustment knob or factory-fixed time require only three connections.
Units with external time adjustment have two additional terminals for the resistor or potentiometer.

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
- Digital timing, solid state output
- 1 Amp current load handling
- 10 Amps single AC cycle surge handling
- 3 Operating voltages: 24, 120 and 230 VAC
- ±0.1% Repeat accuracy
- Virtually unlimited time ranges
- Factory-fixed or variable timing adjustment
- Totally encapsulated for protection from harsh environments
- O-ring sealed exposed controls
- Single screw mounting through center mounting hole
- Standard 6.35mm (0.25”) quick connect blade terminals
- Three terminal connections allow convenient substitution for other manufacturers’ timers
- 100% Operational testing before shipping
- RoHS compliant
**specs**

- **Repeat Accuracy**: ±0.1% under fixed conditions
- **Timing Ranges**: 0.1 sec. to 24 hours (1 sec., 10 sec., 100 sec., and 1000 secs. are standard.) Special time ranges available upon request
- **Reset/Recycle Time**: 200 milliseconds
- **Tolerances**: Fixed: ±10% of nominal time (optional: ±5%, ±1%)
  - Variable: -0%, +15%
  - Limit: -10% at minimum time
- **Recycle Effect**: None
- **Temperature Ranges**:
  - **Storage**: -40°C to +85°C
  - **Operating**: -25°C to +65°C
- **Life Expectancy**: No predictable failure if used within operating parameters
- **Protection**:
  - **Transient Protection**: 18 joules
  - **Dielectric Strength**: 1800V RMS 60Hz
- **Power Requirement**: .25 watts max.
- **Weight**: 3 oz. (85g) maximum
- **Load Current**: 1 amp continuous, 10 amps AC single-cycle surge
- **Time Cycle Interrupt**: Resets timer to original state (Input Voltage Break)

**options selection**

<table>
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<tr>
<th>Mode of Operation</th>
<th>Series</th>
<th>Input Voltage</th>
<th>Examples of Time Ranges</th>
<th>Time Adjustment Method</th>
<th>Options</th>
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<tbody>
<tr>
<td>Interval On Delay</td>
<td>TH3L</td>
<td>1 120V AC 50/60 Hz</td>
<td>VARIABLE TIME PERIODS: 0001 .1 to 1 sec. 0010 .1 to 10 sec. 0100 1 to 100 sec. 1000 10 to 1000 sec. Any range up to 24 hours available on special order.</td>
<td>A Variable integral, knob on timer B Variable external, remote potentiometer timer C Fixed, internal, factory set D External, remote resistor</td>
<td>S Special W Wires</td>
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<tr>
<td></td>
<td></td>
<td>2 230V AC 50/60 Hz</td>
<td>Specify in seconds (S) or hours (H) Examples: 400S is 400 seconds 05H5 is 5.5 hours</td>
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<td>3 24V AC 50/60 Hz</td>
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<td>4 24V DC</td>
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<td></td>
<td></td>
<td>7 12V DC</td>
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</tbody>
</table>

**example**

TH3L 3 0100 S C

This is a "TH" series timer, Interval on delay, 24 volt AC, 100 second fixed internal, factory-set time period.

Specifications subject to change without notice.