**TGPSL Timers**

TGPSL series Cube Relay Single Shot timers are a unique combination of digital CMOS timing circuitry with a relay output in a compact 2” x 2” configuration.

These units provide the same functional performance as plug-in relay timers, but at significant cost savings.

Key features: Uses a live or hot initiate switch; relay common is totally isolated.

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**Timing Mode**

Power must be applied to the input voltage terminals continuously. Upon closing and opening an external initiate switch, the load is instantaneously energized and the time delay cycle starts. When the delay period expires, the timer will reset to its original position and the timer is ready for another cycle.

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### FEATURES

- High current-carrying capacity up to 10 amps
- Transient protected
- 100% Load isolation
- No leakage in N.O. position
- No heat sinking required
- Available in any time delay period required
- Digital CMOS timing
- No minimum load required
- Totally encapsulated for protection from harsh environments
- 100% Operational testing before shipping
- RoHS compliant
**SPECIFICATIONS**

**Input Voltage:**
- VDC: 12, 24-28 or 48
- VAC: 24, 48, 120 or 230, 50/60Hz
- Special AC or DC voltages available

**Time Delay:**
- Timing Mode: Single Shot on Break
- Type: Digital CMOS
- Time Range: 0.2 second to 24 hours
- Time Adjustments: Factory-fixed time period; variable, with adjustments on timer, or terminals for external resistor or potentiometer

**Repeatability:** ±0.5%

**Setting Accuracy:**
- Fixed time period: ±10% of nominal time.
- Variable time range:
  - +15% - 5% max. time, -10% min. time

**Reset/Recycle Time:** 25 milliseconds

**Initiate Time:** 6 milliseconds or less

**Relay Life Expectancy:**
- Mechanical: 20 million operations
- Electrical: 100,000 operations

**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

**Physical Data:**
- Mounting: Surface with one #8 screw
- Connection & Termination: 0.25" quick connects

**OPTIONS SELECTION**

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<td>1 120 VAC</td>
<td>0001 0.2 to 1 sec.</td>
<td>A Variable, integral, knob on timer.</td>
<td>1 SPDT</td>
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<td>2 230 VAC</td>
<td>0010 0.2 to 10 sec.</td>
<td>B Variable, external knob remote.</td>
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<td>9 Any in between DC voltage (specify)</td>
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</table>

**Variables:**
- **S** Single Shot
- **H** Hours
- **M** Minutes

**Time Adjustment Method:**
- A Variable, integral, knob on timer.
- B Variable, external knob remote.
- C Fixed, internal, factory set.
- D Fixed, external, resistor remote.

**Specifications subject to change without notice.**