**TGCB Timers**

TGCB series Cube Relay Delay on Make 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, at significant cost savings.

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

### Timing Mode

Application of input voltage to the timer starts the time delay. At the end of the delay period, the load is energized. To reset, remove the input voltage to the timer.

#### FEATURES

- High current-carrying capacity up to 20 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
**Input Voltage:**
- VDC: 12, 24 or 48
- VAC: 24, 48, 120 or 230, 50/60Hz
- Special AC or DC voltages available

**Time Delay:**
- **Timing Mode:** Delay On Make
- **Type:** Digital CMOS
- **Time Range:** 0.05 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 Output Form:** Standard: SPST N.O.
- Optional: SPST N.C., SPDT

**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**

<table>
<thead>
<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>Relay Output Form</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delay On Make</td>
<td>TGCB</td>
<td>1 120 VAC</td>
<td></td>
<td>A</td>
<td>*1 SPDT</td>
<td>H</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 230 VAC</td>
<td></td>
<td>B</td>
<td>2 SPST (N.O.)</td>
<td>JN</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 24 VAC</td>
<td></td>
<td>C</td>
<td>*3 SPST (N.C.)</td>
<td>J</td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 24-28 VDC</td>
<td></td>
<td>D</td>
<td></td>
<td>W</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5 48 VAC</td>
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<td>S</td>
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<td>6 48 VDC</td>
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<td>9 Any in between DC voltage (specify)</td>
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</table>

**EXAMPLE**

TGCB, 120 VAC, 10 seconds, adjustable, SPST, 10 Amps

Specifications subject to change without notice.