**Timing Mode**

With power applied to the voltage input terminals, the time delay is started by the “On” switch. As this switch is turned on and off, the unit will accumulate each “On” period until the total time setting is reached. At that point, the relay will transfer and the load will be energized. Activating the reset switch will repeat the process and reset the memory.

---

**FEATURES**

- Precise timing accuracy
- Accumulates time delays
- Retains accumulated time delays without power for two days
- Easy to program with 10-position binary dipswitch
- Easy to install with one #8 screw, 1/4” quick connects
- Relay output ratings up to 10 amps
- No leakage in N.O. position
- No heat sinking required
- Delays up to 511.5 hours in half-hour increments

---

**TGCXB-E Timers**

The TGCXB-E is a unique combination of digital CMOS timing circuitry with a memory capability and a relay output. It is ideal for applications where there is a need to keep track of elapsed time. A single unit can handle delays of up to 511.5 hours. For longer time periods, multiple units can be set up in series.

The time delay will be stored without power to the unit for up to two days.

---

**SPECIFICATIONS**

- **Switch Settings 1, 2 & 6 On = 17.5 Hrs.**
  - **Supply Voltage:**
    - ON
    - OFF
  - **On/Off Switch:**
    - ON
    - OFF
  - **Load:**
    - ON
    - OFF
  - **Reset:**
    - ON
    - OFF

---

**072816**
**INPUT VOLTAGE:**
- +20% / -10% VDC: 12 or 24
- 24, 120, 230, 50/60 Hz

**TIME DELAY:**
- **Timing Mode:** Delay On Make
- **Type:** Digital CMOS
- **Time Range:** 30 mins. to 511.5 hrs.

**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:** Dipswitch

---

**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>Accumulated Delay On Make</td>
<td>TGCXB-E</td>
<td>1 120 VAC</td>
<td>0.5 to 511.5 hours by dipswitch. Example: 511H5 is 511.5 hours.</td>
<td>C Factory-fixed</td>
<td>2 SPST (N.O.)</td>
<td>H 10 Amps</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 230 VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 24 VAC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 24 VDC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>7 12 VDC</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**FIXED TIME PERIODS**
- Specify time in full hours followed by the letter “H” and the decimal amount of the main time unit.
- **Examples:** 5H5 is 5.5 hours

Specifications subject to change without notice.