**2800T Series**

**Explosion-Proof With Terminals**

- Explosion-proof; UL Listed for hazardous location classes:
  - Class I Group C, D
  - Class II Group E, F, & G
- Terminals and mounting screws in housing prevent tempering or shorting; 1/2" conduit
- Options include remote test, resettable current limiting device, custom modifications available
- Switch has pry-tamper plate
- Class I, Group B housing available

<table>
<thead>
<tr>
<th>ORDERING INFORMATION</th>
<th>Gap Size</th>
<th>S.P.D.T.</th>
<th>Lead Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Safe and Vault Series, Triple Biased</td>
<td>3/16&quot; to 5/16&quot;</td>
<td>2804T</td>
<td>#6 Screw Terminal</td>
</tr>
<tr>
<td>UL listed for safe and vault</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Triple Biased High Security</td>
<td>3/16&quot; to 5/16&quot;</td>
<td>2807T</td>
<td>#6 Screw Terminal</td>
</tr>
<tr>
<td>Triple Biased High Security, with Remote Test on Protective Loop</td>
<td>3/16&quot; to 5/16&quot;</td>
<td>2808T</td>
<td>#6 Screw Terminal</td>
</tr>
</tbody>
</table>

**2810T Series**

**Maximum Security With Terminals**

- Magnet tamper interlock shields intervening magnetic flux
- Ultimate high security contact design
- Undefeated by prominent testing laboratories
- Triple-biased reeds make defeat with external magnets virtually impossible
- Magnetic field tamper
- Options include remote test, resettable current limiting device, custom modifications available

<table>
<thead>
<tr>
<th>ORDERING INFORMATION</th>
<th>Gap Size</th>
<th>S.P.D.T.</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Maximum Security Switch with Guarded Housing</td>
<td>3/16&quot; to 5/16&quot;</td>
<td>2814T</td>
<td>#6 Screw Terminal</td>
</tr>
<tr>
<td>Maximum Security Switch with Guarded Housing and Internal Shield</td>
<td>1/8&quot; to 1/2&quot;</td>
<td>2817T</td>
<td>#6 Screw Terminal</td>
</tr>
</tbody>
</table>

**NOTE:** Heavy-duty die-cast aluminum housing with brown textured paint
For Accessories, see page 7.43
Operating Specifications

Gap Distances
Ratings nominal and may vary ±20%.
Ratings are distance for switch to “make.”
Break distance approximately 1.1 to 1.5
times “make.”

Wire Colors
S.P.D.T. .................... Common = Black
Open loop = Red
Closed loop = White

Environmental Specifications*

Temperature Range .. –40°F to 150°F
on regular gap models
............................. –20°F to 150°F
on biased contacts
Shock ..................... 50 G’s @ 11 ms
Impact .......................... withstands drop of 2’ dia.
steel ball from 30”
Vibration .......... 35 G’s @ 50-2000Hz
*See specific product bulletins
for specific model specifications.

Electrical Specifications

UL Rating

<table>
<thead>
<tr>
<th></th>
<th>Closed Loop</th>
<th>Open Loop</th>
<th>S.P.D.T.</th>
<th>D.P.D.T.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage (Max.)</td>
<td>100 Volts</td>
<td>30 Volts</td>
<td>30 Volts</td>
<td>30 Volts</td>
</tr>
<tr>
<td>Current (Max.)</td>
<td>.5 Amp</td>
<td>.25 Amp</td>
<td>.25 Amp</td>
<td>.25 Amp</td>
</tr>
<tr>
<td>Watts (Max.)</td>
<td>7.5 Watts</td>
<td>3 Watts</td>
<td>3 Watts</td>
<td>3 Watts</td>
</tr>
</tbody>
</table>

European Union Specification 48V AC/DC 0.5 Amps

WARNING!

Each electrical rating is an individual max-
imum and cannot be exceeded!