2840T SERIES
EXPLOSION-PROOF
MAGNETIC CONTACTS
SCREW TERMINALS

Part Numbers: 2842T-W 2843T-W 2844T-W
2845T 2846T 2847T
2847T-H

Decreased Installation Time
- Wider make distance permits faster installation, accommodates greater misalignment, works better on steel without time-consuming brackets

Fewer False Alarms
- Wider break distance helps prevent false alarms due to loose-fitting doors

Rhodium-Plated Contacts
- Not subject to sticking or freezing on seldom-used doors

Rugged Housing
- Die cast aluminum, with attractive brown textured paint

Long Life
- Life expectancy of 10,000,000 cycles; highly stable Alnico V magnet

Fewer Service Calls
- Corrosion resistant, hermetically sealed switch works well in moist or dusty areas

Increased Terminal Protection
- Terminals are inside housing, protected from tampering and accidental shorting

Versatile
- Model available in N/O, N/C, or SPDT configurations; long or extra-wide gap distances; Model 2847T-H biased for higher security

UL Listed
- Hazardous Location Classes
  Class I, Division 1 & 2, Group C & D
  Class II, Division 1 & 2, Group E, F, & G
  Class III, Division 1 & 2
- Indoor or outdoor use under Standard 634

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3,663,250; 4,210,888; 4,210,889; 4,213,110; 4,371,856; 4,335,270; 4,336,516; 4,392,707; 4,409,577; 4,456,897; 4,513,354; 4,523,184; 4,525,018;
4,837,558; D253,106; D255,030; D262,618; D268,669; D273,783; D272,242. Other patents pending. Made in U.S.A.

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2840T Series Explosion-Proof Magnetic Contacts Screw Terminals

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

Housings shall be die-cast aluminum, coated with brown textured paint. Switch housing dimensions (including lid) shall be nominally 5.750” (14.61 cm) L x 2” (5.08 cm) H x 1.50” (3.81 cm) D. Fitting with .50” threads shall be provided for direct connection to conduit. Magnet housing dimensions shall be nominally 5.750” (14.61 cm) L x .813” (2.06 cm) H x 1.50” (3.81 cm) D.

Switch shall be a rhodium-plated reed switch. Connection to switch shall be made through #6 screw terminals, accessible when housing lid is removed. Screw terminals will have bent-up tabs to prevent wire slippage during installation. Mounting screws for switch shall be (4) No. 10 screws 1-1/2” long, phillips head. For the magnet, screws shall be (2) No. 10, 2” long phillips head.

INSTALLATION INSTRUCTIONS

2842T-W, 2843T-W, 2844T-W, 2845T, 2846T, 2847T
Select desired mounting positions for switch and magnet observing gap distance. On wide gap switches (2842T-W, 2843T-W, 2844T-W) align labels on switch and magnet so labels read in same direction (switches are polarity sensitive).

2847T-W
Mount switch in desired location. Attach ohmmeter to “Closed Loop” and “Common” terminals. Meter should read INFINITY with magnet away from switch. Align labels on switch and magnet so labels read in same direction (switch is polarity sensitive). Bring magnet toward switch until meter reads 5 ohms or less. Mark this point and continue bringing magnet toward switch until meter again reads INFINITY. Mark this point, and position the magnet between these two marks. With magnet positioned correctly, the switch shall have balanced operation and will be more difficult to defeat if an external magnet is used in such an attempt. This model is lid tamper protected.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>LOOP TYPE</th>
<th>ELECTRICAL CONFIGURATION</th>
<th>LID TAMPER</th>
<th>COLOR CHOICES</th>
<th>GAP DISTANCE (MAKE)*</th>
<th>LEAD TYPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2842T-W</td>
<td>Closed</td>
<td>N/O</td>
<td>Optional</td>
<td>Textured Brown</td>
<td>Up to 2-1/2”</td>
<td>#6 screw terminal</td>
</tr>
<tr>
<td>2843T-W</td>
<td>Open</td>
<td>N/C</td>
<td>Optional</td>
<td>Textured Brown</td>
<td>Up to 2-1/2”</td>
<td>#6 screw terminal</td>
</tr>
<tr>
<td>2844T-W</td>
<td>Open or Closed</td>
<td>SPDT</td>
<td>Optional</td>
<td>Textured Brown</td>
<td>Up to 2-1/2”</td>
<td>#6 screw terminal</td>
</tr>
<tr>
<td>2845T</td>
<td>Closed</td>
<td>N/O</td>
<td>Optional</td>
<td>Textured Brown</td>
<td>Up to 1”</td>
<td>#6 screw terminal</td>
</tr>
<tr>
<td>2846T</td>
<td>Open</td>
<td>N/C</td>
<td>Optional</td>
<td>Textured Brown</td>
<td>Up to 1”</td>
<td>#6 screw terminal</td>
</tr>
<tr>
<td>2847T</td>
<td>Open or Closed</td>
<td>SPDT</td>
<td>Optional</td>
<td>Textured Brown</td>
<td>Up to 1”</td>
<td>#6 screw terminal</td>
</tr>
<tr>
<td>2847T-H</td>
<td>Open or closed</td>
<td>SPDT</td>
<td>Standard</td>
<td>Textured Brown</td>
<td>1/4” MIN, 1” MAX</td>
<td>#6 screw terminal</td>
</tr>
</tbody>
</table>

Form A (2842T-W, 2845T)
Voltage: 100 VAC/DC MAX
Current: 0.5 Amp MAX
Power: 7.5 W MAX
Cycles: 10,000,000

Form B (2843T-W, 2846T)
Voltage: 100 VAC/DC MAX
Current: 0.25 Amp MAX
Power: 3.0 W MAX
Cycles: 10,000,000

Form C (2844T-W, 2847T, 2847T-H)
Voltage: 100 VAC/DC MAX
Current: 0.25 Amp MAX
Power: 3.0 W MAX
Cycles: 10,000,000

NOTE: The products, materials and specifications covered in this Product Information Bulletin are subject to change without notice as Sentrol strives for continuing product improvement.

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*Gap distances are nominal make distance ± 20%