1085 SERIES MAGNETIC CONTACTS
Surface Mount with Wire Leads

Model numbers:
1085, 1085W, 1086, 1086W, 1087, 1087W, 1087H, 1087D

- Sealed switch assembly
- Wide gap distance allows for fast set-up, easy installation
- Several models available including SPDT and high security
- Mounting screws included

The Sentrol 1085 Series surface mount magnetic contacts are designed for use in installations where a small, sealed unit is required. The reed switch is totally encapsulated in Sentrol’s exclusive polyurethane potting compound preventing moisture from entering the switch and causing false alarms. The 5/8” standard gap distance allows for fast, easy installation and prevents false alarms from loose fitting doors. Recessed mounting holes make for clean-looking installations. Several models are available including Wide Gap, SPDT, and high security.

continued
1085 Series Surface Mount Magnetic Contact

Architects and Engineering Specifications
Switch and magnet shall be a nominal 2.00" (5.08 cm) L x 0.375" (0.95 cm) W x 0.375" (0.95 cm) D and have mounting holes on 1.625" (4.13 cm) centers. Color shall be specified as white, grey, or mahogany brown. Switch and magnet shall be specified as Sentrol part number 1085 (or other Sentrol part number, depending on electrical gap requirements).

Installation Instructions
1085, 1086, 1087, 1085W, 1086W, 1087W, 1087D
Select desired mounting positions for switch and magnet. For wide gap switches (1085W, 1086W, 1087W) align labels on switch and magnet so labels read in same direction (switches are polarity sensitive). Attach with screws provided.

1087-H
Mount switch in desired location. Attach ohmmeter to “closed loop” and “common” leads. Meter should read INFINITY with magnet away from switch. Align labels on magnet and switch so labels read in same direction (switch is polarity sensitive). Bring magnet toward switch until meter reads 0 ohms. 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, switch shall have balanced operation and will be more difficult to defeat if an external magnet is used in such an attempt.

Form A (1085, 1085W)
Voltage: 100 V AC/DC Max.
Current: 0.5 A Max.
Power: 7.5 W Max.

Form B (1086, 1086W)
Voltage: 30 V AC/DC Max.
Current: 0.25 A Max.
Power: 3.0 W Max.

Form C (1087, 1087W, 1087H)
Voltage: 30 V AC/DC Max.
Current: 0.25 A Max.
Power: 3.0 W Max.

Ordering Information

<table>
<thead>
<tr>
<th>Model Number***</th>
<th>Loop Type</th>
<th>Electrical Configuration</th>
<th>Gap Distance</th>
<th>Lead Type* (Make)**</th>
<th>Listing</th>
</tr>
</thead>
<tbody>
<tr>
<td>1085</td>
<td>Closed</td>
<td>N.O.</td>
<td>Up to 5/8&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL/ULC</td>
</tr>
<tr>
<td>1085W</td>
<td>Closed</td>
<td>N.O.</td>
<td>Up to 1 1/2&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL/ULC</td>
</tr>
<tr>
<td>1086</td>
<td>Open</td>
<td>N.C.</td>
<td>Up to 5/8&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL</td>
</tr>
<tr>
<td>1086W</td>
<td>Open</td>
<td>N.C.</td>
<td>Up to 1 1/2&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL</td>
</tr>
<tr>
<td>1087</td>
<td>Open or Closed</td>
<td>SPDT</td>
<td>Up to 5/8&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL/ULC</td>
</tr>
<tr>
<td>1087W</td>
<td>Open or Closed</td>
<td>SPDT</td>
<td>Up to 1 1/4&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL/ULC</td>
</tr>
<tr>
<td>1087H</td>
<td>Open or Closed</td>
<td>SPDT</td>
<td>5/8&quot; min., 1 1/4&quot; max.</td>
<td>12&quot; #22 wire</td>
<td>UL</td>
</tr>
<tr>
<td>1087D</td>
<td>Open or Closed</td>
<td>DPDT</td>
<td>Up to 5/8&quot;</td>
<td>12&quot; #22 wire</td>
<td>UL</td>
</tr>
</tbody>
</table>

* Other lead types available
** Gap distances are nominal make distance ± 20%.
*** Gap specifications are for switch to make. Break distance is approximately 1.1 to 1.5 times make.
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