2700 Series Installation Instructions

Installation

These are the installation instructions for models 2706AP, 2706AS, 2707A, and 2707AD.

2707A/2707AD: Position magnet and switch so that the labels read in the same direction and the S on the magnet aligns directly with the S on the switch. The set-up gap distance is .4" (3/8") (1.02 cm). Switches will operate at approximately .2" (.5 cm) to .6" (1.52 cm) on closing and go into alarm at approximately .4" (1.02 cm) to .8" (2.03 cm) on opening. Minimum gap is .2" (.5 cm). However, environmental conditions, such as thickness of the metal to which the switch and magnet attach, may alter gap distance. Therefore, we recommend the following installation method:

1. Bring the magnet toward the switch until an ohmmeter connected to the closed loop wires reads 0 ohms. Mark this point.
2. Now bring the magnet closer to the switch until the meter reads infinity. Mark this point.
3. Position the magnet midpoint between the two marks.
4. Use the magnet template to mark the mounting holes.
5. Pre-drill the mounting holes.
6. If a Pry Tamper plate is required, install it under the switch with two #6 x 3/4" flathead screws. Connect the gold and blue painted leads to the 24-hour circuit. The pry temper plate is required for the Certified Safe and Vault applications.
7. If the pry tamper is not used, discard the tamper plate and mount the switch directly to the surface. Be sure to connect the gold and green painted leads to the 24-hour circuit.

2706AP/2706AS: Follow steps 1 through 7 as outlined for models 2707A/2707AD. The 2706AP/2706AS has a built-in remote test feature which you may order either on the protective or supervised loop. To perform remote test operation, apply 12 V DC, 5 mA max. current, to the green (remote test) wires. 24 V DC remote test is available on request.

With magnet positioned correctly, the switches will trip if an external magnet (67 gauss or greater) is used in an attempt to defeat the switch.

Ordering information

<table>
<thead>
<tr>
<th>Part #</th>
<th>Loop type</th>
<th>Electrical configuration</th>
<th>Gap distance (Make)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2706AS</td>
<td>Open or closed</td>
<td>SPDT</td>
<td>0.2&quot; to 0.6&quot;</td>
</tr>
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<td>Open or closed</td>
<td>DPDT</td>
<td>0.2&quot; to 0.6&quot;</td>
</tr>
</tbody>
</table>

Lead Type for all models: 3' Stainless steel armored cable

*Gap distances are nominal make distance ±20%.

Form C (2747A)
Voltage: 30 V AC
Current: .25 A Max.
Power: 3.0 W Max.
Figure 1: Wiring for the 2700 Series

**2707A**

Closed loop (white)

Open loop (red/white)

Common (silver/white)

Supervised common (gold/white)

Magnetic tamper only (green/white)

Pry tamper/Magnetic tamper (blue/white)

Magnetic tamper

Pry tamper

**2707AD**

Closed loop (white)

Open loop (red/white)

Common (silver/white)

Closed loop (white/black)

Open loop (red/black)

Common (black)

Supervised common (gold/black)

Magnetic tamper only (green/black)

Pry tamper/Magnetic tamper (blue/white)

Magnetic tamper

Pry tamper

**2706AP Remote Test on Protective Loop**

Closed loop (white)

Open loop (red/white)

Common (silver/white)

Remote test/Magnetic tamper

Remote test (green)

Remote test (green)

Supervised common (gold/white)

Supervised loop (green/white)

Pry tamper (blue/white)

Pry tamper

**2706AS Remote Test on Supervised Loop**

Closed loop (white)

Open loop (red/white)

Common (silver/white)

Supervised (gold/white)

Magnetic tamper only (green/white)

Pry tamper/Magnetic tamper (blue/white)

Remote test (green)

Remote test (green)

Remote test

Pry tamper

NOTE: Circuits shown with magnet in secure position.