Installation Instructions & Cut-Out Template

The 70 Series magnet is powered by 12 or 24VDC only. Schlage offers several power supplies which can be used to power magnetic locks. Magnetic locks are usually controlled by an access control reader (card, prox, etc.) and an egress device such as an exit device with a switch, pushbutton and/or motion detector. In most cases it is required that activation of building's fire alarm system cause all magnetic locks to unlock. Consult local authority having jurisdiction regarding system requirements for local life safety and electrical codes.

1) Place template on door and frame as shown. Leave room if required for existing door hardware such as vertical rod panic hardware, etc. Drill required holes.

2) Install armature plate assembly. Note that armature plate assembly must pivot about the mounting bolt. This is to allow the magnet and armature to mate when the door is closed. If the armature does not pivot, check to see that there is no binding in the 1/2" armature guide holes and that the hardware is installed correctly.

3) Refer to wiring chart and make wiring connections.

<table>
<thead>
<tr>
<th>Color</th>
<th>Code</th>
<th>WS</th>
<th>Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red</td>
<td>(+)</td>
<td>0.300A@12VDC</td>
<td></td>
</tr>
<tr>
<td>Black</td>
<td>(-)</td>
<td>0.150A@24VDC</td>
<td></td>
</tr>
<tr>
<td>White</td>
<td>MBS C</td>
<td>&gt;1.0A max @30VDC</td>
<td></td>
</tr>
<tr>
<td>Green</td>
<td>MBS NO</td>
<td>&gt;0.10A max @30VDC</td>
<td></td>
</tr>
<tr>
<td>Orange</td>
<td>MBS NC</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Contact shown with lock unlocked

Contact shown with door opened

4) Install magnet.

**NOTE:** Magnet and armature must mate when door is in closed (and latched if applicable) position. Adjust by adding/subtracting shim washers.

**Wiring:** Do not pinch wires between parts

- Fender washers 4X
- 1/4-20 socket cap screw 4X
- Anti-tamper plugs if required 4X

A. Drill a 9/32" hole.

B. Refer to Figure 1.
   - Assemble the supplied parts.
   - Insert into hole.

C. While holding tool in place with wrench, tighten to collapse nut with hex wrench. **IMPORTANT: DO NOT OVERTIGHTEN.**

D. Figure 3 shows completed installation of blind nut.

E. Repeat steps A, B and C for additional blind nuts.
STANDARD SINGLE DOOR
Magnet is typically located near latch side of
door for maximum locking power. If required,
lock can be mounted vertically. Consult local
authority having jurisdiction to ensure
compliance with local life safety and electrical
codes.

DOUBLE EGRESS DOOR
70TJ Magnetic Lock  70 Magnetic Lock

Magnetic
Lock
Door Cord
or Electric Hinge
Exit Device
w/Switch
Interior Side
Hinge
Side

CUT OUT TEMPLATE ALONG THIS DASHED LINE
7.20
3.60

Ø3/8" (5X)
for blind nuts (do not overdrill)
or 1/4-20 tapped hole for reinforced frame

This Ø3/8" wire hole
May be enlarged to
Ø1/2" if required
0.39
0.75
0.60

FOLD TEMPLATE ALONG THIS DASHED LINE
1.26
1.48

Ø1/2", 1" deep (2X)
DO NOT DRILL
THRU DOOR

Ø3/8" thru
Ø1/2" other side
4.50"
2.25"