**McKinney “MM” Magnetic Monitoring Hinge**

**WARNING:** This product can expose you to chemicals including lead, which is known to the state of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

**NOTE:** Door and frame should be prepared per the proper Hinge Template before beginning to assemble the “MM” Hinge to them. Templates can be downloaded, if desired, from our website at www.mckinneyhinge.com. If the hinge has more than (1) electrical option a separate installation instruction will be packed for each one.

**SWITCH TYPE:**
SPDT Magnetic Reed Switch with color coded wire leads. Use white (common) and red wires to make a circuit when the door is opened. Use white (common) and green wires to break a circuit when the door is opened.

**SWITCH CAPACITY:**

<table>
<thead>
<tr>
<th>Voltage</th>
<th>Resistive or inductive load</th>
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</thead>
<tbody>
<tr>
<td>6</td>
<td>.25 amps</td>
</tr>
<tr>
<td>12</td>
<td>.25 amps</td>
</tr>
<tr>
<td>24</td>
<td>.125 amps</td>
</tr>
<tr>
<td>48</td>
<td>.062 amps</td>
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</tbody>
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**LOCATION:**
The Magnetic Monitoring hinge should be mounted in the second position from the bottom on the door.

**INSTALLATION:**
3 and 5 knuckle hinges are not handed. 2 knuckle hinges are handed. Make sure that the proper hand hinge is being used for the application if it is a 2 knuckle hinge.

**IMPORTANT:** The gap between the butt edge of the door and the jamb must not exceed $\frac{3}{16}$”. (See Fig. III)

Connect the Switch wires as required by the individual application (see above under SWITCH TYPE) and insert the Switch into the jamb. **DO NOT STRIKE** the face of the Switch at any time.

The Magnet Assembly can be pressed into the hole in the door and lightly tapped into place using a piece of wood as a striking block. **DO NOT STRIKE** the face directly with a hammer as it could damage the threads making adjustment impossible.

With the Switch and Magnet Assembly in place, mount the specially prepared hinge in a normal manner. **DO NOT ATTEMPT** to use any hinge other than ones prepared specifically for this installation. Install only (1) of the inboard screws (nearest to the hinge barrel) in the door leaf.

**ADJUSTMENT FOR (2) OPERATING CIRCUITS:**
The Magnet Assembly is factory pre-set for maximum magnetic influence. This is done to insure that both circuits will operate in the most extreme application, an all steel door and frame. This magnet setting may result in greater door travel than desired to operate the monitoring system in some applications, particularly in all wood construction. The door travel at the lock side can be decreased by first removing the door leaf screw and swinging the hinge leaf clear. Insert the Spanner Tool provided into the slots and turn clockwise to decrease the magnetic influence and hasten switch action. (See Fig. II)

If the normally closed (supervisory) circuit fails to go on when the door is closed, the Magnet has been turned in too far and must be adjusted out (counter-clockwise) until the circuit is made.

**ADJUSTMENT FOR (1) OPERATING CIRCUIT:**
In an application where only one of the two switch circuits is used, connect the monitoring system to the desired circuit (normally open or normally closed) and adjust, if necessary as described above.

**NOTE:** On some installations where there is an insufficient press fit, it may be necessary to hold the Magnet Assembly with a pair of pliers while making adjustments.

Several adjustments in this manner may be necessary until the desired door opening can be monitored. After the final adjustment has been made, install the remaining screws in the door.