ELECTRICAL DATA SHEET

THIS PRODUCT IS AN ELECTROMAGNETIC HOLDING DEVICE INTENDED FOR USE IN A DRY INTERIOR ENVIRONMENT FOR FIRE DOOR APPLICATIONS BUT CAN BE USED FOR OTHER MAGNETIC APPLICATIONS.

WIRE INTO PROPER TERMINALS AS NOTED BELOW:

PLEASE READ INSTRUCTIONS CAREFULLY!!

<table>
<thead>
<tr>
<th>SERIES</th>
<th>MODEL</th>
<th>*VOLTAGE</th>
<th>mA</th>
<th>VA</th>
<th>TERMINALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2800</td>
<td>2810</td>
<td>24 AC/DC</td>
<td>105</td>
<td>1.26</td>
<td>Corn &amp; 24 v</td>
</tr>
</tbody>
</table>

* INPUT CURRENT SHALL NOT EXCEED THE MARKED RATING

Electromagnetic Door Holder
Model 2810

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Step #1 Locations of Magnet Box:
1-1 Measure distance from pivot centerline to wall (DIM A)
1-2 Determine door width (DIM B)
1-3 To locate magnet box use Table below.
1-4 DIM C is the distance from the pivot centerline to the magnet box centerline.
Example: DIM A = 10" DIM B = 42" RESULT: DIM C = 39"
1-5 If DIM A or DIM B intersect in the shaded area, DO NOT install magnet box. The
   Example 2: DIM A = 7" DIM B = 36" Estimated DIM C = 33-1/8"
1-6 If DIM A and DIM B intersect in the shaded area, DO NOT install magnet box: The
   degree of door opening will not permit proper alignment between armature and wall magnet.
1-7 Suggested height 2"0" to 4"0" from the floor and/or not over 6"0".
1-8 Check degree of door opening shown in table and coordinate with door closers
   and other door hardware.
1-9 Total projection of door hardware must not be more than 4-1/2" on the pull side of door.

<table>
<thead>
<tr>
<th>DIM A</th>
<th>28</th>
<th>30</th>
<th>32</th>
<th>34</th>
<th>36</th>
<th>38</th>
<th>40</th>
<th>42</th>
<th>44</th>
<th>46</th>
<th>48</th>
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</thead>
<tbody>
<tr>
<td>2</td>
<td>5-1/8</td>
<td>5-1/8</td>
<td>5-1/8</td>
<td>5-1/8</td>
<td>5-1/8</td>
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<td>5-1/8</td>
<td>5-1/8</td>
<td>5-1/8</td>
</tr>
</tbody>
</table>

Step #2 Installation of In-Wall Magnet Box:
2-1 Locate on the wall the dimension DIM C by tracing temporarily a vertical line at the distance DIM C (calculated in the previous page)
   from te corner of the wall.
2-2 Proper electrical wire routing must be done before installing magnet box.

Step #2 Continued:
2-3 The 4-9/16 x 4-1/4 x 2-1/2 outlet box must be installed in the wall in such
   a way that the center line of the outlet box coincides with the created
   in step 2-1.
2-4 The box should be installed with reinforcement to withstand a minimum
   400 lbs pull.
2-5 The height of the outlet box must be chosen so the door armature
   can be installed at the same height on the door without interfering
   with the other door hardware.
2-6 Install and verify the proper bracket and cover alignment.
2-7 For detail on electrical wiring, read the specific "Electrical Data Sheet"
   at the end of this documentation.

Step #3 Installation of Door Armature:
3-1 With the magnet box securely fastened, aligned and energized,
   place and center the door armature on the surface of the
   magnet with the two holes of the base aligned either vertically
   or horizontally.
3-2 Gently close the door and adjust the angle of the door armature
   so the base lays flat against the door.
3-3 While keeping slight pressure on the door, mark location of the
   door armature through the two base holes. The two marks
   should be 1-3/4" apart and the center line of the door armature
   should be approximately 2-5/8" from the lock edge of the door.
3-4 Drill through the door where the two marks are located with a
   5/16" drill.
3-5 Mount the door armature on the door: Use two #10-32 screws
   with two #10-32 x 1-1/4" sex bolts.

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