ELECTRICAL DATA SHEET

THIS PRODUCT IS AN ELECTROMAGNETIC HOLDING DEVICE INTENDED FOR USE IN 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>Voltage</th>
<th>DC/mA</th>
<th>DC/VA</th>
<th>AC/mA</th>
<th>AC/VA</th>
<th>Terminals</th>
</tr>
</thead>
<tbody>
<tr>
<td>2803</td>
<td>DC</td>
<td>60</td>
<td>.72</td>
<td>.72</td>
<td>.72</td>
<td>Com &amp; 12 v</td>
</tr>
<tr>
<td>2804</td>
<td>AC/DC</td>
<td>30</td>
<td>.72</td>
<td>30</td>
<td>3.60</td>
<td>Com &amp; 24 v</td>
</tr>
<tr>
<td>120 AC</td>
<td></td>
<td></td>
<td></td>
<td>30</td>
<td></td>
<td>Com &amp; 120 v</td>
</tr>
</tbody>
</table>

ELECTROMAGNETIC DOOR HOLDER
ASSEMBLY INSTRUCTIONS
& ELECTRICAL CONFIGURATIONS

SEE WIRING DIAGRAMS TO THE RIGHT FOR YOUR APPLICATION

WIRING FOR 120 VAC

WIRING FOR 24 VAC

WIRING FOR 24 VDC

WIRING FOR 12 VDC

CAUTION
DO NOT LEAVE WIRE EXPOSED

DOOR ARMATURE

MAGNET BOX

MAGNET BOX CENTERLINE

COVER

MAGNET MOUNTING BRACKET ASSEMBLY

PIVOT

A

B

C

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Electromagnetic Door Holder
Models 2803/2804

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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 = 38 7/8”
1-5 If Dim A and Dim B falls between the numbers listed in the table allow for difference.
   Example: Dim A = 17”  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 vertical location is on top rail approximately 5” from top of door.
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 3 5/8” 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></td>
<td>34</td>
<td>3/32</td>
<td>34</td>
<td>3/32</td>
<td>34</td>
<td>3/32</td>
<td>34</td>
<td>3/32</td>
<td>34</td>
<td>3/32</td>
<td>34</td>
</tr>
</tbody>
</table>

Step #2 Continued:
2-3 The 2 3/4 x 4 1/2 x 1 1/2 outlet box must be inserted in the wall in such
   a way that the center line of the outlet box coincides with the line created in 2-1.
2-4 The box should be installed with reinforcement to withstand a
   minimum 50 lb. 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.

IMPORTANT: Check that power voltage equals voltage labeled on back of magnet.

Step #3 Installation of In-Wall Magnet Box:
3-1 Locate on the wall the dimension Dim C by tracing a temporary vertical
   line at the distance Dim C (calculated in the previous step)
   from corner of the wall.
3-2 Proper electrical wire routing must be done before installing magnet box

1 3/4”

Use Sex Bolt and #10-32 thru bolt mounting

2 5/8” (2803) / 1 5/8” (2804)

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