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>2805</td>
<td>12 DC</td>
<td>60</td>
<td>.72</td>
<td></td>
<td></td>
<td>Com &amp; 12 V</td>
</tr>
<tr>
<td></td>
<td>24 AC/DC</td>
<td>30</td>
<td>.72</td>
<td>30</td>
<td>.72</td>
<td>Com &amp; 24 V</td>
</tr>
<tr>
<td></td>
<td>120 AC</td>
<td></td>
<td></td>
<td>30</td>
<td>3.60</td>
<td>Com &amp; 120 V</td>
</tr>
</tbody>
</table>

Electromagnetic Door Holder

Assembly Instructions & Electrical Configurations

Electromagnetic Door Holder
Model 2805

Magnet Box

Door Armature

See Wiring diagrams to the right for your application

Caution
DO NOT LEAVE WIRE EXPOSED

WIRING FOR 120 VAC

WIRING FOR 24 VAC

WIRING FOR 24 VDC

WIRING FOR 12 VDC

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M2805IN-01 06/2010 Page 1 of 2
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 and Dim B falls between the numbers listed in the table allow for difference. Example: Dim A=7”
         Dim B=36”
         Estimated Dim C=33 7/16”
1-6 If Dim A and Dim B is interested 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 4 1/8” on the pull
side of door.

<table>
<thead>
<tr>
<th>Dim B</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>
</tr>
</thead>
<tbody>
<tr>
<td>Dim C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>25 1/4</td>
<td>29 1/4</td>
<td>31 1/4</td>
<td>33 1/4</td>
<td>35 1/4</td>
<td>37 1/4</td>
<td>39 1/4</td>
<td>41 1/4</td>
<td>43 1/4</td>
<td>45 1/4</td>
<td>47 1/4</td>
</tr>
<tr>
<td>6</td>
<td>25 7/8</td>
<td>29 7/8</td>
<td>31 7/8</td>
<td>33 7/8</td>
<td>35 7/8</td>
<td>37 7/8</td>
<td>39 7/8</td>
<td>41 7/8</td>
<td>43 7/8</td>
<td>45 7/8</td>
<td>47 7/8</td>
</tr>
<tr>
<td>8</td>
<td>25 15/32</td>
<td>29 15/32</td>
<td>31 15/32</td>
<td>33 15/32</td>
<td>35 15/32</td>
<td>37 15/32</td>
<td>39 15/32</td>
<td>41 15/32</td>
<td>43 15/32</td>
<td>45 15/32</td>
<td>47 15/32</td>
</tr>
</tbody>
</table>

Step #2 Installation of Wall Magnet Box:
2-1 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.
2-2 Proper electrical wire routing must be done before installing magnet box

Step #3 Installation of door armature hardware:
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 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 Depending of the mounting option that you choose:
   For concealed Mounting
   Drill a 1/2” deep hole where the two marks are located with a 1/16”
   maximum diameter drill as pilot holes for wood screws. In reinforced metal
doors, drill
   & tap for #10-32 screw
   OR:
   For through bolt Mounting
   Drill through the door where the two marks are located with a 5/16”
drill.
3-5 Mount the door armature on the door:
   For Concealed Mounting
   Use two #10 pan head phillips wood screws or two #10-32 screws
   depending on type of door (See step 3-4)
   OR:
   For through bolt Mounting
   Use two #10-32 screws with two #10-32 x 1 1/4” screw bolt.