INSTALLATION INSTRUCTIONS EH SERIES
ELECTROMAGNETIC DOOR HOLDER

ELECTRICAL
This product is a high quality electromagnetic holding door device intended for use in fire door applications, but can be used for other magnetic applications.

PLEASE READ INSTRUCTIONS CAREFULLY!

PERFORMANCE DATA

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTAGE</th>
<th>DC / mA</th>
<th>AC / mA</th>
<th>TERMINALS</th>
<th>Lb.</th>
<th>Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1224</td>
<td>12 V</td>
<td>40</td>
<td>38</td>
<td>C &amp; L</td>
<td>30</td>
<td>13.6</td>
</tr>
<tr>
<td>24 V</td>
<td>40</td>
<td>36</td>
<td>C &amp; H</td>
<td>30</td>
<td>13.6</td>
<td></td>
</tr>
<tr>
<td>24120</td>
<td>24 V</td>
<td>20</td>
<td>19</td>
<td>C &amp; L</td>
<td>40</td>
<td>18.1</td>
</tr>
<tr>
<td>120 V</td>
<td>-</td>
<td>20</td>
<td>C &amp; H</td>
<td>35</td>
<td>15.8</td>
<td></td>
</tr>
<tr>
<td>24220</td>
<td>24 V</td>
<td>20</td>
<td>19</td>
<td>C &amp; L</td>
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<td>9.0</td>
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<tr>
<td>220 V</td>
<td>-</td>
<td>15</td>
<td>C &amp; H</td>
<td>22</td>
<td>9.8</td>
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</table>

HIGH HOLDING FORCE / SPECIAL APPLICATIONS:

<table>
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<tr>
<th>MODEL</th>
<th>VOLTAGE</th>
<th>DC / mA</th>
<th>AC / mA</th>
<th>TERMINALS</th>
<th>Lb.</th>
<th>Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1224</td>
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<td>81</td>
<td>C &amp; L</td>
<td>75</td>
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<tr>
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<td>120 V</td>
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<td>100</td>
<td>C &amp; L</td>
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<td>49.8</td>
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</tbody>
</table>

To obtain performance values in table above, apply high listed voltage to low voltage terminals (C & L).

NOTE: This configuration can only be applied to Models 1224 & 24120.
GENERAL DIMENSIONS

DOOR MAGNET

CATCH PLATE ASSEMBLY

SURFACE MOUNT BACK BOX

EXTENSION RODS

ASSEMBLY INSTRUCTIONS

CATCH PLATE MOUNTING

STEP 1:
With door magnet securely fastened, aligned and energized, proceed with swivel base assembly.

NOTE: If door extensions are required, install before step 2.

STEP 2:
Attach swivel portion to magnet, being careful to center the catch plate over the magnet.

STEP 3:
With catch plate assembly attached magnetically to door magnet, peel adhesive backing off mounting template and slide over catch plate, making sure adhesive side faces door.

STEP 4:
Gently close door and with one hand adjust base of catch plate to lie flat against the door.

STEP 5:
While keeping slight pressure on door, slide mounting template over catch plate to door surface and apply pressure to template in a few spots.

PART NUMBER + A = CHROME // PART NUMBER + C = BRASS
**STEP 6:**
Opening door will reveal mounting template. Apply final pressure to insure template does not fall off while assembly takes place.

**STEP 7:**
Insert alignment template into center of mounting template. Use tab to rotate to fine adjustment. While holding alignment template with one hand, remove adhesive backing of tab, then push flat against door.

**STEP 8 A:**
If not using door assembly drill fixture, center punch points indicated on alignment template for either horizontal or vertical mounting. For best results, drill 1/8” pilot holes first, then follow with 5/16” dia drill.

**STEP 8 B:**
If using door assembly drill fixture, alignment template is not required. Locate drill bushing end into mounting template, holding firmly flat against door, then tighten slightly. Make sure fixture is flat against edge of door, tighten fully and drill through using 5/16” dia. drill.

**STEP 8C:**
If mounting catch plate assembly directly to door, drill 1/8” dia. pilot hole approximately 1 to 1-1/2” deep, being careful not to go through door.

**STEP 9:**
For either style of mounting (thru door/direct) remove ONLY alignment template, then place swivel in center. Align holes, then insert screws and tighten assembly fully. Lastly, remove mounting template.

**CATCH PLATE EXTENSION ROD ASSEMBLY:**