Electromagnetic Fire Door Holders
DH Series

Description: DH series fire door holders are constructed of the finest materials and workmanship available. The door holder is made of durable die-cast metal and offered in a high luster plated or powdercoated finish.

Other features include standard dual voltage ac or dc inputs of 12 & 24V, 24 & 120V and 24 & 220V models. While reducing stocking requirements, model 24120 draws a mere .020 ma @24VDC lowering overall job costs. (in large installations the cost savings can be substantial).

Other features: single or double coil floor mounting, surface mounting and direct wall mounting. No brackets are required. The DH series door holder offers a new installation technique using an adhesive template assuring alignment without secondary adjustments.

Accessories include extension and misalignment rods (various lengths) enabling parallelism between door and wall at distances greater than 12 inches and misalignment over 4 inches.

Aiding in installation is the aircraft quality DH drill that reduces installation time and provides a near perfect alignment of catch-plate and armature - again, lowering overall installation costs.

Basic units offer superior holding force and low residual magnetism. Models 1224 and 24120 can operate at higher listed voltages producing holding forces in excess of 100lbs. (45.3kg) For special applications.

OPTIONAL FEATURES
PLATED OR POWDERCOATED FINISH
DOUBLE BRASS PLATING/POWDERCOATED
EXTENSION AND MISALIGNMENT RODS.
SURFACE MOUNT BACK BOX.
TIME SAVING DRILL FIXTURE
FOR MOUNTING CATCH PLATE.

Dual Voltage
(rear view shown)

STANDARD FEATURES
VERY LOW CURRENT DRAW.
DUAL VOLTAGE INPUTS.
TERMINAL BLOCK CONNECTIONS.
HIGH HOLDING FORCE.
LOW RESIDUAL MAGNETISM.
DOUBLE CHROME PLATING.
MOUNTING HARDWARE & INSTRUCTIONS.
**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>12V</td>
<td>40</td>
<td>38</td>
<td>C&amp;L</td>
<td>30</td>
<td>13.6</td>
</tr>
<tr>
<td></td>
<td>24V</td>
<td>40</td>
<td>36</td>
<td>C&amp;H</td>
<td>30</td>
<td>13.6</td>
</tr>
<tr>
<td>24120</td>
<td>24V</td>
<td>20</td>
<td>19</td>
<td>C&amp;L</td>
<td>40</td>
<td>18.1</td>
</tr>
<tr>
<td></td>
<td>120V</td>
<td></td>
<td>20</td>
<td>C&amp;H</td>
<td>35</td>
<td>15.8</td>
</tr>
<tr>
<td>24420</td>
<td>24V</td>
<td>20</td>
<td>19</td>
<td>C&amp;L</td>
<td>40</td>
<td>18.1</td>
</tr>
<tr>
<td></td>
<td>220V</td>
<td></td>
<td>15</td>
<td>C&amp;H</td>
<td>25</td>
<td>11.3</td>
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</table>

NOTE: Holding forces listed in above table correspond with shaded values, non shaded values are slightly less.

<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>24V</td>
<td>85</td>
<td>81</td>
<td>C&amp;L</td>
<td>75</td>
<td>34.0</td>
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<tr>
<td></td>
<td>120V</td>
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<td>100</td>
<td>C&amp;L</td>
<td>110</td>
<td>49.8</td>
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</tbody>
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**HIGH HOLDING FORCE/SPECIAL APPLICATIONS:**
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.

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**ACCESSORIES**

**Extensions:**
- Extension rods

**Surface Mounting:**
- DHBB (back box)

**Extension Wrenches**

**Installation Tools:**
- DHDF (drill fixture)

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**ORDERING INFORMATION:**

<table>
<thead>
<tr>
<th>DH</th>
<th>Door Holder</th>
</tr>
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<tbody>
<tr>
<td>F</td>
<td>Flush Mount</td>
</tr>
<tr>
<td>S</td>
<td>Surface Mount</td>
</tr>
<tr>
<td>R</td>
<td>Recessed</td>
</tr>
<tr>
<td>G</td>
<td>Ground Mount</td>
</tr>
<tr>
<td>P</td>
<td>Powdercoated</td>
</tr>
<tr>
<td>C</td>
<td>Chrome Plating</td>
</tr>
<tr>
<td>B</td>
<td>Brass Plating</td>
</tr>
<tr>
<td>1</td>
<td>Single Coil</td>
</tr>
<tr>
<td>2</td>
<td>Double Coil</td>
</tr>
</tbody>
</table>

NOTE: #2 indicates double coil ground mount model.

Example: DH (24120) (S) (P) (C) (1)

- Door holder
- Model/Voltage
- 1224, 24120, 24220
- Mount Style
- Surface, Flush, Ground, Recessed
- Powdercoated
- Finish
- Chrome, Brass
- Coils
- 1, 2

**ACCESSORIES:**

**Extensions:**
- DHE1C    1 inch extension chrome.
- DHE1B    1 inch extension brass.
- DHE15C   1-1/2 inch extension chrome.
- DHE15B   1-1/2 inch extension brass.
- DHE2C    2 inch extension chrome.
- DHE2B    2 inch extension brass.
- DHE3C    3 inch extension chrome.
- DHE3B    3 inch extension brass.
- DHEAC    4 inch adjustable extension chrome.
- DHEAB    4 inch adjustable extension brass.

**Hardware:**
- DHCPC    Catch plate assembly chrome.
- DHCPCB   Catch plate assembly brass.
- DHDC     Catch disc only chrome.
- DHDB     Catch disc only brass.
- DHBBC    Surface back box chrome.
- DHBBB    Surface back box brass.
- DHW      Extension wrenches.
- DHDF     Drilling fixture.