The SH-120 Series Select-A-Strobe/Horn™ is designed to provide audible and/or visual signals for fire and burglar alarm protection systems and notification signals for the purpose of life safety and protection.

The SH-120 are operable with a 120 V AC system between 96 V AC and 132 V AC. They can be interfaced with pull stations, flow switches, and sprinkler systems for residential, commercial and industrial applications.

The SH Series combines a selective three horn tone and provides a continuous tone or temporal pattern (code 3) when constant voltage is applied.

This series is available with a red or white housing and a clear lens.

**Installation**

*Note:* Installation must comply in accordance with applicable standards.

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>Model Number</th>
<th>Description</th>
<th>Color</th>
</tr>
</thead>
<tbody>
<tr>
<td>4710030</td>
<td>SH-120R</td>
<td>Selectable strobe/horn/chime</td>
<td>Red</td>
</tr>
<tr>
<td>4710031</td>
<td>SH-120W</td>
<td>Selectable strobe/horn/chime</td>
<td>White</td>
</tr>
<tr>
<td>4270048</td>
<td>BBX-5</td>
<td>Back box (included)</td>
<td>Red</td>
</tr>
<tr>
<td>4270049</td>
<td></td>
<td></td>
<td>White</td>
</tr>
<tr>
<td>1500001</td>
<td>BBK-1</td>
<td>Bell back box</td>
<td>Red</td>
</tr>
</tbody>
</table>

**Engineering Specifications**

The contractor shall provide and install a Potter SH-120 strobe/horn. The unit shall operate on a nominal 120 V AC input and have a selectable horn setting. The unit shall be listed to UL standard 1638, General Signaling for indoor and outdoor applications. The strobe shall have a 110 candela rating. The unit shall include a weather proof back box as part of the standard package. The device shall have a universal pre-wire mounting plate for the ease of connection. The universal back plate shall allow for connection to a single gang, double gang, 4" square standard or deep box, BBK-1 weather proof bell back box or the BBX-5 custom weather proof back box. The horn shall be listed to UL standard 464, Audible Signaling devices.

Potter Electric Signal Co., LLC • St. Louis, MO • Cust Service: 866-240-1870 • Tech Support: 866-956-1211 • Canada 888-882-1833 • www.pottersignal.com
WARNING

High voltage may be present inside the light assembly even though power is not connected. If access to the component board is required (removal or replacement), the capacitor must be discharged by touching a wire to both ends of the flashtube. DO NOT attempt to touch or move the assembly until the capacitor has been discharged.

Specifications

<table>
<thead>
<tr>
<th>Series</th>
<th>Rated Voltage</th>
<th>Max RMS Operating Current (mArms)</th>
<th>Light Output</th>
<th>Flash Rate</th>
<th>Operating Voltage Range</th>
<th>Operating Temperature Range</th>
<th>Construction Type</th>
<th>Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH-120</td>
<td>120 VAC 60Hz</td>
<td>N/A (current varies with horn setting)</td>
<td>110 cd on axis</td>
<td>72 per min.</td>
<td>96-132 VAC</td>
<td>-40°F to 151°F (-40°C to 66°C)</td>
<td>indoor/outdoor</td>
<td>ABS housing, polycarbonate lens</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Series</th>
<th>Pattern</th>
<th>Tone</th>
<th>Switch Setting ON: 1 OFF: 0</th>
<th>Max. RMS Operating Current (mArms)</th>
<th>dBA Reverberant Ratings per UL 464 (dBA @ 10Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SH-120</td>
<td>Steady</td>
<td>2400Hz</td>
<td>1 1 1</td>
<td>115</td>
<td>87.7</td>
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<tr>
<td></td>
<td></td>
<td>Electro Mechanical</td>
<td>1 0 1</td>
<td>119</td>
<td>87.8</td>
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<tr>
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<td></td>
<td>Broadband</td>
<td>0 1 1</td>
<td>115</td>
<td>88.2</td>
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<tr>
<td></td>
<td>Temporal</td>
<td>2400Hz</td>
<td>1 1 0</td>
<td>111</td>
<td>81.1</td>
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<tr>
<td></td>
<td></td>
<td>Electro Mechanical</td>
<td>1 0 0</td>
<td>112</td>
<td>83.4</td>
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<tr>
<td></td>
<td></td>
<td>Broadband</td>
<td>0 1 0</td>
<td>110</td>
<td>83.4</td>
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</table>