The Federal Signal Directional Speaker Array, model DSA, is a maintenance free, electronic siren comprised of one to four vertical support structures with two to six re-entrant speakers providing output ranging from 111 to 121 dB(C).

The DSAs vertical support structure can be positioned at 90-degree or 180-degree intervals. Each DSA has a 70-degree horizontal angle of dispersion. When positioned at 90-degree apart, a 180-degree horizontal coverage is produced.

The DSA consists of a vertical aluminum base with fiber-glass speakers, stainless steel mounting hardware and one 100 watt driver per speaker.

The DSA provides excellent voice reproduction and, with the aid of the UltraVoice™ controller (purchased separately), will produce the following standard warning signals: wail, pulsed steady, steady, pulsed wail, alternating alert, alternating wail and westminster chimes. The UltraVoice™ controller can interface to radio systems, satellite, cellular or IP networks. Power is available via AC, DC and Solar with battery back-up.

The DSA is an excellent choice to provide warning for hazardous weather conditions, dam safety, civil defense, industrial applications and other types of emergencies.

**Features**

- Ideal for outdoor warning
- Vertical support structures for 2 to 6 re-entrant speakers
- Seven distinct, standard warning signals
- Decibel output range from 111 to 121 dB(C)
- Maintenance free
DSA Directional Speaker Array

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>DSA2</th>
<th>DSA3</th>
<th>DSA4</th>
<th>DSA5</th>
<th>DSA6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Speakers</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
</tr>
<tr>
<td>Watts</td>
<td>200</td>
<td>300</td>
<td>400</td>
<td>500</td>
<td>600</td>
</tr>
<tr>
<td>dB(C) @ 100'</td>
<td>111</td>
<td>115</td>
<td>117</td>
<td>119</td>
<td>121</td>
</tr>
<tr>
<td>Effective Range @ 70 dB(C)</td>
<td>1700'</td>
<td>2200'</td>
<td>2600'</td>
<td>3000'</td>
<td>3400'</td>
</tr>
<tr>
<td>Height in inches</td>
<td>25</td>
<td>46</td>
<td>48</td>
<td>70</td>
<td>72</td>
</tr>
<tr>
<td>Shipping Weight (lbs)</td>
<td>127</td>
<td>130</td>
<td>175</td>
<td>220</td>
<td>230</td>
</tr>
<tr>
<td>Net Weight (lbs)</td>
<td>43</td>
<td>80</td>
<td>95</td>
<td>110</td>
<td>125</td>
</tr>
</tbody>
</table>

DSA Specifications

- Color: Black projectors and off-white housing
- Paint type: TGIC polyester powder coat
- Frequency Response: 200 to 2000 Hz

Ordering Information

- DSA2: 2 speaker assembly
- DSA3: 3 speaker assembly
- DSA4: 4 speaker assembly
- DSA5: 5 speaker assembly
- DSA6: 6 speaker assembly

Specify Mounting Kits

- DSAMK1: Wall mount for one vertical support
- DSAMK4: Mounting kit for one to four vertical stack(s) 90° or 180° apart
- DSAMKSP: Mounting kit for steel poles, one vertical stack
- DSAMKSP84S: 4.5" mounting brackets for steel pole, bracket for one vertical stack
- DSAMKSP823: 2.375" mounting brackets for steel pole, bracket for one vertical stack

1 Includes 45' of cable. Additional cable sold separately.
2 Based on far field measurements.

Controller and Communications

See price list for controller and powering options.

Battery not included.

Shown: Two quantity DSA's and One quantity DSAMK4 at 90° apart

Vertical Support Structure

Stainless Steel Mounting Brackets

Fiberglass Projectors 100 watt drivers

Radio Antenna (if required)

UltraVoice Controller (Sold Separately)

Battery Cabinet

Ground Level

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