Wall Mount Speaker / Strobes
VF4022-X0 (Low Profile Selectable Candela Speaker / Strobe)
VF4032-X0 (Low Profile Fixed Candela Speaker / Strobe)

Product Overview
The VES VF4022 and VF4032 Series are wall mount, selectable candela speaker/strobes designed to meet code requirements for audio, visual and voice communications. The VF4022 and VF4032 Series are quality speaker products that offer both dependable evacuation signaling and visual alarms, or a combination of both. The high output tamperproof candela selections are 15, 30, 60, 75 and 110. A fixed 15/75 candela unit is also available.

The VES series can be mounted in a 4” square x 2-1/8” deep back box, an extension ring is not needed. The VF4022 and VF4032 Series provides a 25 or 70.7 VRMS speaker with field selectable power taps of 1/8W, 1/4W, 1/2W, 1W, 2W or 4W. The VES strobes can be synchronized by using the VES Synchronization Control Module, FACP’s or power supplies that include the VES Synchronization Protocol.

The VF4022 and VF4032 Series grills are constructed of high impact textured plastic. The VF4022 and VF4032 are warranted for 3 years from the date of purchase. The VES devices are UL listed for fire protective services per UL 1480, the selectable candela strobe unit is listed to UL 1971 and the 15/75 unit is listed to UL 1638 and UL 1971.

Standard Features
- FM Approved, UL 1480/UL 1971/UL 2043 Listed
- 24VDC Tamperproof Selectable Candela Selections of 15, 30, 60, 75 and 110.
- 24VDC Fixed 15/75 Candela.
- Unit Dimension: 6.1” Square X 1.88” Deep
- Wall Mounting to a standard 4” Square X 2-1/8” Deep Back Box
- High Quality dBA Output (Intelligible)
- Frequency Range 400-4000Hz
- Screw Terminals, Separate In/Out Wiring (12-18 Gauge)
- Field Selectable Power Taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- Speaker Voltage 25 or 70.7 VRMS Standard, Field Selectable
- To Synchronize Use the VES Synchronization Control Module
- Tamperproof Grill
- Xenon Strobe Maintains Constant Flash Rate (1Hz) Regardless of Input Voltage
- Faceplate available in Red or Off-White

Ordering Codes
- VF4022-10  Low Profile Selectable Candela Wall Mount Speaker/ Strobe - Red
- VF4022-30  Low Profile Selectable Candela Wall Mount Speaker/ Strobe - Off-White
- VF4032-10  Low Profile Fixed Candela (15/75) Wall Mount Speaker/ Strobe - Red
- VF4032-30  Low Profile Fixed Candela (15/75) Wall Mount Speaker/ Strobe - Off-White

NOTES  The VF4022 and VF4032 Series is not listed for outdoor use. Operating temperature: 32° to 120°F (0° to 49° C).

VES does not recommend using a coded or pulsing signaling circuit with any of our strobe products.
Architect and Engineer Specifications

The fire alarm speaker shall be VES VF4022/ VF4032 or equivalent. The speaker shall be capable of producing alarm tones or voice on all 25 or 70.7 VRMS audio systems. The speaker shall provide incremental tap settings of 1/8, 1/4, 1/2, 1, 2 or 4 watts. Minimum dBA ratings at 1/4 watt shall be 76.7dBA and at 4 watts 87.9dBA. Tap settings shall be adjustable with field selectable jumper pins. The speaker shall also have an optional visual signal capability. The visual signal shall have a 1Hz flash rate regardless of input voltage. All field wiring connections shall be made via separate in-out terminal connections and the speaker or speaker strobe shall be UL, CSFM and BS&A/MEA listed and comply with all local, state and federal fire alarm codes/standards.

### Wall Mount Strobe Current Ratings

<table>
<thead>
<tr>
<th>Candela</th>
<th>15cd</th>
<th>30cd</th>
<th>60cd</th>
<th>75cd</th>
<th>110cd</th>
<th>15 / 75cd</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 VDC</td>
<td>55 mA</td>
<td>63 mA</td>
<td>88 mA</td>
<td>112 mA</td>
<td>136 mA</td>
<td>63 mA</td>
</tr>
<tr>
<td>UL Max¹</td>
<td>78 mA</td>
<td>96 mA</td>
<td>137 mA</td>
<td>180 mA</td>
<td>224 mA</td>
<td>96 mA</td>
</tr>
</tbody>
</table>

¹RMS current ratings are per UL average RMS method. UL maximum current rating is the maximum RMS current within the listed voltage range 16-33VDC for 24VDC units. For strobes the UL max current is usually at the minimum listed voltage 16VDC for 24VDC units. For audibles the maximum current is usually at the maximum listed voltage. For unfiltered FWR ratings, see installation manual.

### Speaker dBA @ 10ft.

<table>
<thead>
<tr>
<th>Input Watts</th>
<th>25 Volts</th>
<th>70.7 Volts</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>74.6 dBA</td>
<td>73.7 dBA</td>
</tr>
<tr>
<td>1/4</td>
<td>77.7 dBA</td>
<td>76.7 dBA</td>
</tr>
<tr>
<td>1/2</td>
<td>80.5 dBA</td>
<td>79.6 dBA</td>
</tr>
<tr>
<td>1</td>
<td>83.1 dBA</td>
<td>82.6 dBA</td>
</tr>
<tr>
<td>2</td>
<td>85.6 dBA</td>
<td>85.4 dBA</td>
</tr>
<tr>
<td>4</td>
<td>87.9 dBA</td>
<td>87.9 dBA</td>
</tr>
</tbody>
</table>