The bell remains the most commonly used alarm for fire evacuation systems. Recognising this, Vimpex continue to innovate with their all-aluminium range of fire alarm bells.

Five bells make up the range of 150mm (6 inch) and 200mm (8 inch) internal and external units. Being of aluminium construction, our bells have a very high volume output matched with extremely low power consumption - just 11mA for the 150mm internal.

The specially designed weatherproof bells have an aluminium back box giving either single or double threaded entry for maximum flexibility in installation. This is supplied as a full fixing kit with gasket and screws.

As with the Vimpex sounder range, all bells can be supplied branded with your company logo.

Features
- Low current consumption - only 11mA
- Quickly and easily installed
- Excellent sonorous tone up to 100dB(A) at 1m
- Slim profile
- Fully suppressed and polarised
- Simple installation with multi-fixing base plate
- Purpose-made weatherproof range
- 24V bells certified by LPCB to EN54-3:2001
- 24V bells compliant with Construction Products Regulation
Specification

### Specification

<table>
<thead>
<tr>
<th>Description</th>
<th>6” (150mm)</th>
<th>6” (150mm)</th>
<th>8” (200mm)</th>
<th>8” (200mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model No.</td>
<td>MBF-6EV-12</td>
<td>MBF-6EV-24</td>
<td>MBA-8 + BBX-4</td>
<td>MBA-8 + BBX-4</td>
</tr>
<tr>
<td>Rated Voltage (Vdc)</td>
<td>9.6 - 13.2</td>
<td>20.4 - 27.6</td>
<td>20.4 - 27.6</td>
<td>20.4 - 27.6</td>
</tr>
<tr>
<td>Rated Current @24V (mA)</td>
<td>40</td>
<td>11</td>
<td>17</td>
<td>12</td>
</tr>
<tr>
<td>Starting Voltage (Vdc)</td>
<td>5.5</td>
<td>19.2</td>
<td>19.2</td>
<td>16.0</td>
</tr>
<tr>
<td>Sound Output dB(A) @1m (max)</td>
<td>100.7</td>
<td>96.5</td>
<td>98.8</td>
<td>100.5</td>
</tr>
<tr>
<td>Temperature Range (°C)</td>
<td>-10 to +50</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Humidity Range (%)</td>
<td></td>
<td>45 - 85</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight (g), (± with backbox)</td>
<td>410</td>
<td>410</td>
<td>640</td>
<td>780*</td>
</tr>
<tr>
<td>Gong Colour</td>
<td>Red</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gong Construction</td>
<td>Aluminium</td>
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</tr>
</tbody>
</table>

Note: Refer to Sound Output Data sheet (DS/BELLDATA/ISS*) for full data - contact Vimpex to request correct issue.

### Installation

#### Internal MBF Range

**Type A**

- **BESA Box or single gang installation box**
- **Knock-out for surface wiring**
- **Hex bolt**
- **Mounting Screw**

**Dimensions (mm)**

- 53
- 60
- 40 (BBX-4 + gasket)

**Note:** Care should be taken to avoid damage to the striker mechanism.

#### Weatherproof MBA Range (IP55)

**Type B**

- **BBX-4 Installation box with 20mm threaded entry**
- **Striker**
- **Mounting holes are provided to suit either BESA single gang installation boxes or for direct wall mounting**

**Dimensions (mm)**

- 64
- 40
- 128 (BBX-4 + gasket)

- 95

**Note:** Refer to Sound Output Data sheet (DS/BELLDATA/ISS*) for full data - contact Vimpex to request correct issue.

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We reserve the right to change or amend any design or specification in line with our policy of continuing development and improvement.