Adaptatone® Millennium Multiple Tone Signal

**PLC Compatible Voice Capability**

**5531MV Series**

The Edwards 5531MV Adaptatone Millennium Voice unit is a heavy-duty industrial, tone-selectable, signaling device capable of producing volume-controlled, high-decibel tones and up to 20 seconds of field recorded voice messages. The Adaptatone Millennium Voice unit can be activated from field-wired, normally open contacts, or a 24VDC or 120V AC external voltage source such as an output of a PLC. Normally open contacts can be obtained from the Cat. No. 5538-4 and/or Cat. No. 5538-4R Adaptatone Signal Actuators.

The unit uses a microprocessor circuit to create 27 distinctive tones and store 20 seconds of field recorded voice messages. Messages and tones may be selected by setting miniature dip switches within the unit. A total of four messages and tones programmed operate on a pyramid-type priority system. For more information on priority tone operation and a complete listing of all 27 tones.

The 5531MV is designed for either 1/2" (13mm) conduit or surface mounting. See Adaptatone Signaling Installation.

Designed for industrial applications including emergency warning, plant evacuation and security alarms, process monitoring, shift notification horns, paging and process control.

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**FEATURES**

- Stand-alone, 27 tone capability - No additional tone modules needed
- Output up to 110 dB @ 10 ft
- PLC compatible
- 20 sec. of field recorded Voice Messages
- Suitable for Division 2 Locations
- Captive Components

**AGENCY APPROVALS**

- NEMA Type 3R
- IP 44
- UL 464 and 1604 Listed
- UL Listed for indoor and outdoor applications in Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; and Class III Hazardous Locations
- cUL C22.2 No. 205 (24N5 model)

**SPECIFICATIONS**

- Built-in cascading priority system
- Speaker can be rotated and locked in any horizontal direction
- 24V DC battery backup terminals
**TECHNICAL INFORMATION**

**Operating Input Card Signal Off Signal On**

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Operating Voltage</th>
<th>Input Card Activation Voltage</th>
<th>Signal Off Current (Amps)</th>
<th>Signal On Operating Current (Amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5531MV-24N5</td>
<td>120V AC 50/60 Hz</td>
<td>24VDC</td>
<td>0.10</td>
<td>0.23</td>
</tr>
<tr>
<td>5531MV-120N5</td>
<td>120V AC 50/60 Hz</td>
<td>120VAC</td>
<td>0.10</td>
<td>0.23</td>
</tr>
</tbody>
</table>

**SIGNAL INPUT LOAD CHARACTERISTICS**

*This device is PLC compatible and may be operated by PLCs with output characteristics that match the input load requirements of this signal.*

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Operating Voltage</th>
<th>Max. off state leakage current (mA)</th>
<th>Continuous on current (mA)</th>
<th>Surge (inrush/duration) Amps/milliseconds</th>
</tr>
</thead>
<tbody>
<tr>
<td>5531MV-24N5</td>
<td>120V 50/60 Hz</td>
<td>2</td>
<td>360</td>
<td>2.82/4</td>
</tr>
<tr>
<td>5531MV-120N5</td>
<td>120V 50/60 Hz</td>
<td>5</td>
<td>380</td>
<td>2.82/4</td>
</tr>
<tr>
<td>24VDC Input Board</td>
<td>5V DC to 24V DC</td>
<td>2</td>
<td>6</td>
<td>—</td>
</tr>
<tr>
<td>120VAC Input Board</td>
<td>120VAC 50/60 Hz</td>
<td>5</td>
<td>13</td>
<td>—</td>
</tr>
</tbody>
</table>

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