Adaptatone® Millennium
Multiple Tone Signal

Four Outputs

5531M Series

The Edwards 5531M Series Adaptatone Millennium is a heavy-duty industrial, tone-selectable, signaling device capable of producing volume-controlled, high-decibel tones. Four tones can be activated from field-wired, normally open contacts, or a 24VDC or 120VAC external voltage source such as the 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, by setting miniature dip switches within the unit. The programmed tones operate on a pyramid-type priority system. For more information on priority tone operation and a complete listing of all 27 tones.

Designed for industrial applications. Typical applications include emergency warning systems, plant evacuation and security alarms, process monitoring, shift notification horns, and paging signals.

The 5531M is designed for either 1/2” (13mm) conduit or surface mounting.

FEATURES

> 27 tone capability - No additional tone modules needed
> Output up to 110 dB @ 10 ft
> PLC compatible
> Suitable for Division 2 Locations
> Captive Components

AGENCY APPROVALS

> NEMA Type 3R
> IP 44
> UL 464 and 1604
> 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 (24AQ, 24N5 & 24Y6 models)
> CE Marked, LV & EMC Directives, (24Y6 AC only & 24AQ models)
> TUV Rheinland Certified

SPECIFICATIONS

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

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With continuous product improvement, specifications are subject to change without notice.
## TECHNICAL INFORMATION

**5531 Signaling Devices**

**TECHNICAL INFORMATION**

### Operating Input Card Signal

<table>
<thead>
<tr>
<th>Cat. No.</th>
<th>Operating Voltage</th>
<th>Input Card Activation Voltage</th>
<th>Signal Off Standby Current (Amps)</th>
<th>Signal On Operating Current (Amps)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5531M-24AQ</td>
<td>24V DC</td>
<td>24VDC</td>
<td>0.10</td>
<td>0.57</td>
</tr>
<tr>
<td></td>
<td>24V AC 50/60Hz</td>
<td></td>
<td>0.10</td>
<td>0.98</td>
</tr>
<tr>
<td>5531M-24N5</td>
<td>120V AC 50/60Hz</td>
<td>24VDC</td>
<td>0.10</td>
<td>0.23</td>
</tr>
<tr>
<td>5531M-120N5</td>
<td></td>
<td>120VAC</td>
<td>0.10</td>
<td>0.23</td>
</tr>
<tr>
<td>5531M-24Y6</td>
<td>120V AC 50/60Hz</td>
<td>24VDC</td>
<td>0.10</td>
<td>0.28</td>
</tr>
<tr>
<td>5531M-120Y6</td>
<td>240V AC 50/60Hz</td>
<td>120VAC</td>
<td>0.08</td>
<td>0.15</td>
</tr>
<tr>
<td></td>
<td>125V DC</td>
<td></td>
<td>0.10</td>
<td>0.15</td>
</tr>
<tr>
<td></td>
<td>250V DC</td>
<td></td>
<td>0.02</td>
<td>0.08</td>
</tr>
</tbody>
</table>

### SIGNAL INPUT LOAD CHARACTERISTICS

**PLC output to meet following product input parameters**

<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>5531M-24AQ</td>
<td>24V DC only</td>
<td>2</td>
<td>740</td>
<td>8/4</td>
</tr>
<tr>
<td>5531M-24N5</td>
<td>120V 50/60 Hz</td>
<td>2</td>
<td>360</td>
<td>2.82/4</td>
</tr>
<tr>
<td>5531M-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>(each input)</td>
<td>2</td>
<td>6</td>
</tr>
<tr>
<td>120VAC Input Board</td>
<td>120VAC 50/60 Hz</td>
<td>(each input)</td>
<td>5</td>
<td>13</td>
</tr>
</tbody>
</table>

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