



## Adaptatone® Millennium Multiple Tone Signal

### Four Outputs

### 5531M Series

#### 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

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. See page 4-49.

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, see page 4-55.

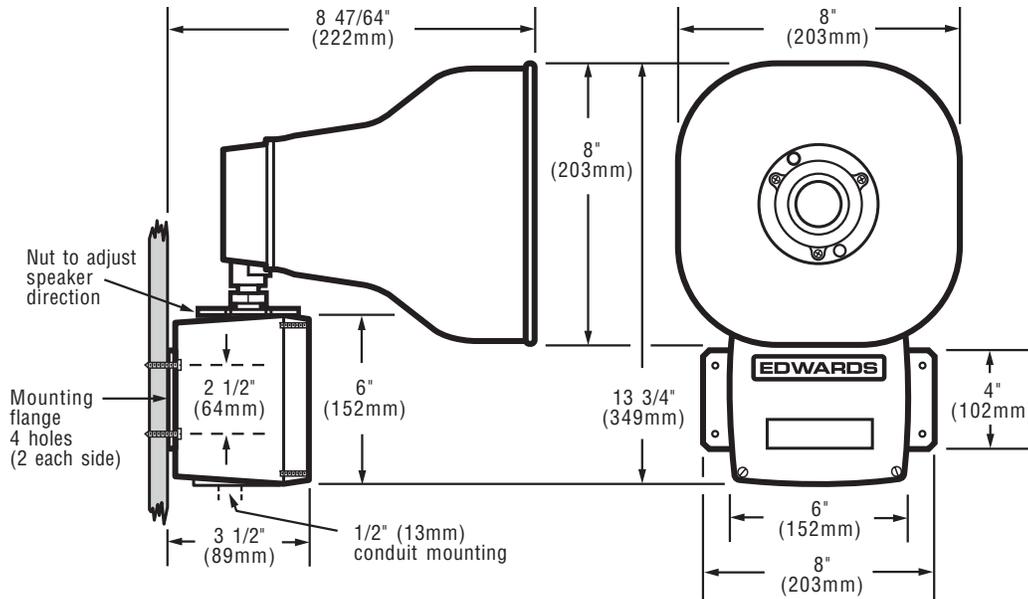
Designed for industrial applications. Typical applications include emergency warning systems, plant evacuation and security alarms, process monitoring, shift notification horns, and paging signals.

The 5531M is designed for either 1/2" (13mm) conduit or surface mounting. See Adaptatone Signaling Installation, pages 4-56.

D-04



## TECHNICAL INFORMATION



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

## SIGNAL INPUT LOAD CHARACTERISTICS\* (PLC output to meet following product input parameters)

| Cat. No.           | Operating voltage            | Max. off state leakage current (mA) | Continuous on current (mA) | Surge (inrush/duration) Amps/milliseconds |
|--------------------|------------------------------|-------------------------------------|----------------------------|---|
| 5531M-24AQ         | 24V DC only                  | 2                                   | 740                        | 8/4                                       |
| 5531M-24N5         | 120V 50/60 hz                | 2                                   | 360                        | 2.82/4                                    |
| 5531M-120N5        | 120V 50/60 hz                | 5                                   | 380                        | 2.82/4                                    |
| 24VDC Input Board  | 5V DC to 24V DC (each input) | 2                                   | 6                          | —   |
| 120VAC Input Board | 120VAC 50/60 Hz (each input) | 5                                   | 13                         | —   |

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