



Adaptatone® Millennium Central Tone Generator

***Voice Messaging & System
Signaling, Four Outputs, RS485***

5540MV Series

FEATURES

- > 27 tone capability - No additional tone modules needed
- > PLC compatible
- > 20 sec. of field recorded Voice
- > Suitable for Division 2 Locations
- > Centralized programmable tone selection
- > System-wide priority tone selection
- > RS485 model available

AGENCY APPROVALS

- > NEMA Type 3R
- > IP 44
- > UL 464 and 1604 Listed
- > UL Listed for indoor and outdoor applications in Class I, Div. 2, Groups A, B, C & D; Class II, Div. 2, Groups F & G; and Class III hazardous locations
- > cUL Listed C22.2 No. 205
- > CE Marked - Cenelec LV & EMC Directives (24Y6 AC model only)

SPECIFICATIONS

- > 24V DC battery backup terminals
- > Built in Presignal tone option on first message location
- > Short Circuit protected

www.leedan.com info@leedan.com Toll-Free: 800-231-1414

The Edwards 5540MV Adaptatone Millennium Central Tone Generator with Voice messaging has been designed for applications where simultaneous signaling of a high decibel, heavy duty signal and pre-recorded voice messaging is required. The tone generator assures a synchronous signaling sound from all remote speakers. The Millennium Central Tone Generator produces the 27 standard Adaptatone sounds and can store 20 seconds of field recorded voice messages. Four signals may be activated from field-wired, normally open contacts, or a 24VDC external voltage source such as an output of a PLC. Normally open contacts can be obtained from the Cat. No. 5538-4 or Cat. No. 5538-4R Adaptatone Signal Actuator.

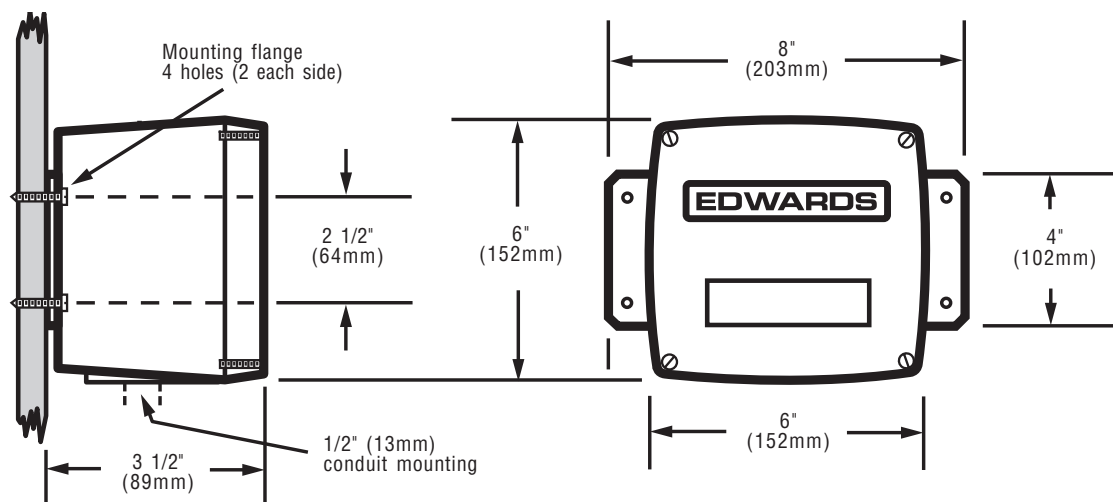
Messages and tones may be selected by setting miniature dip switches within the unit. The programmed tones operate on a pyramid-type priority system. For more information on priority tone operation and a complete listing of all 27 tones, see page 4-55.

The 5540MV-485Y6 is designed to be connected to RS485 networks, allowing full serial signaling communication control.

Adaptatone Signaling Systems are designed for industrial applications calling for high decibel output and microprocessor reliability combined with simultaneous signal delivery over all speakers included in the system. Typical applications include: emergency warning systems, plant evacuation alarms, security intrusion sirens, process monitoring, shift start-and-dismissal horns & paging signals.

RS485 units are MED1 compatible.

TECHNICAL INFORMATION



Cat. No.	Operating Voltage	Input Card Activation Voltage	Signal Off Standby Current (Amps)	Signal On Operating Current (Amps)
5540MV-24N5	120V AC 50/60 Hz	24VDC	0.10	0.36
5540MV-24Y6	120V AC 50/60 Hz	24VDC	0.10	0.32
	240V AC 50/60 Hz		0.10	0.20
	125V DC		0.10	0.21
	250V DC		0.02	0.10
5540MV-485Y6	120V AC 50/60 Hz	RS485	0.10	0.32
	240V AC 50/60 Hz		0.10	0.20
	125V DC		0.10	0.21
	250V DC		0.02	0.10

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
5540MV-24N5	120V 60 Hz	2	360	2.82/4
5540MV-24Y6	120V 60 Hz	2	320	2.82/4
24VDC Input Board	24V DC	2	6	—

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

** = Input board designation 24 or 120

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