

Overview

GE Security 5540M Series Millennium Central Tone Generators have been designed for applications where simultaneous signaling of a high decibel, heavy duty signal is required. The Millennium Central Tone Generator produces the 27 standard Adaptatone sounds. The tone generator assures a synchronous signaling sound from all remote speakers. The tones may be activated from field-wired, normally open contacts, or a 24Vdc external voltage source such as an output of a PLC. The tones may be selected by setting miniature dip switches within the unit. The programmed tones operate on a pyramid-type priority system.

5540M Central Tone Generator – 4 inputs, 4 outputs

5540M-485 5540M for RS485 network

5540MV Central Tone Generator – 4 inputs, 4 outputs with voice, stores up to 4 messages each up to 5 seconds in length

5540MV-485 5540MV for RS485 network

5540MP Central Tone Generator with paging – 3 inputs, 3 output tones, plus voice

Specifications

- Heavy duty zinc cast construction
- Models available for 24Vdc/AC 50/60 Hz, 120VAC 50/60 Hz, 120V to 240VAC and 125 to 250Vdc
- 24Vdc battery backup terminals provided
- Short Circuit protected

Applications

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, and paging signals.

Agency Approvals

- cUL Listed
- CE Marked (24Y6 AC only & 24AQ models)
- NEMA 3R rating

Adaptatone® Millennium Central Tone and Voice Generators

5540M, 5540MV and 5540MP



Standard Features

- **PLC compatible**
No external relays required
- **Stand-alone, 27 tone capability**
No additional tone modules needed
- **RS485 models**
- **Four 3 pulse temporal tones**
- **New "soft" tones**
- **Four Input, Four Output**
- **Corrosion resistant electrostatic heat flowed epoxy finish**
- **Captive Components**
- **Centralized programmable tone selection**
- **System-wide priority tone selection**

Accessories

5542RPU Remote Paging Unit

5542RPU-M Remote Paging Unit with 5542MIC-H Hand Held Mic
Sends audio page to, and is powered by, 5540MP-24Y6. UL and cUL Listed. Input is received from microphone input or audio pair signal source. Indoor rated enclosure when flush wall mounted in a double gang box. Outdoor, Type 3R Rated when mounted with 5542WPK.

5542MIC-H Hand Held Microphone

Optional. May be plugged into 5542RPU either permanently or as needed.

5542MIC-D Desktop Microphone

Optional. May be plugged into 5542RPU either permanently or as needed.

5542WPK Weatherproof Mounting Kit

Optional. Intended for use with 5542RPU or 5542RPU-M to provide Type 3R outdoor protection for the 5542RPU series.

Weatherproof mounting kit for use with the 5542 Series Remote Paging Unit. The mounting kit is UL Listed, CSA Certified and has a Type 3R rating when mounted with the weatherproof box and cover (included).



5540M



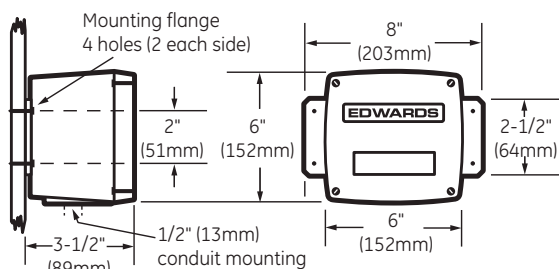
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Installation and Mounting

System components are designed for either 1/2" (13mm) conduit or surface mounting.



5540M, 5540MV and 5540MP

Programmable Tone Selection

Programming the Adaptatone Signal for the tone or tones selected is accomplished through setting the switches located in the signal base. A convenient tone selection chart is provided in the cover of each unit. In some cases the signaling task will dictate the tones required. For example, if a paging function is to be performed one of the unique percussive tones (Chime1 or Chime 2) may be most suitable. Local regulations or standards may require specific tones such as siren, horn, hi-lo. In some cases varying ambient noise may necessitate on-site evaluation of all available tones to select the most suitable tone. On-site volume control is also available by adjusting the conveniently located volume control in the base.

Priority Tone Operation

The Adaptatone Millennium signals have priority capability. The programmed tones operate on a pyramid-type priority system. Page is the highest priority. The tone programmed on switch 1 overrides the tones programmed on switches 2, 3, and 4. The tone on switch 2 overrides the tones programmed on switches 3 and 4. Likewise, the tone on switch 3 overrides the tone programmed on switch 4. The tone programmed on switch 4 has the lowest priority and cannot override any other programmed tone.

PLC Compatibility

Cat. No.	Operating Voltage (Volts)	Max. off state leakage current (mA)	Continuous on current (mA)	Surge (inrush/duration) (Amps/milliSeconds)
5540M-24AQ	24Vdc only	2	640	8/4
5540M-24N5	120VAC*	2	300	2.82/4
5540M-24Y6	120VAC*	2	230	2.82/4
5540MV-24N5	120VAC*	2	300	2.82/4
5540MV-24Y6	120VAC*	2	230	2.82/4
24Vdc Input Board Circuit	5Vdc to 24Vdc (each input)	2	6	—

* 50/60 Hz

Ordering Information

Cat. No.	Operating Voltage	Input Card Activation Voltage	Signal Off Standby Current (Amps)	Signal On Operating Current (Amps)
5540M-24AQ	24Vdc	24Vdc	0.10	0.74
	24VAC*		0.10	1.3
5540M-24N5	120VAC*	24Vdc	0.10	0.36
5540M-24Y6	120VAC*	24Vdc	0.10	0.32
	240VAC*		0.10	0.20
	125Vdc		0.10	0.21
	250Vdc		0.02	0.10
5540M-485Y6	120VAC*	RS485	0.10	0.32
	240VAC*		0.10	0.20
	125Vdc		0.10	0.21
	250Vdc		0.02	0.10
5540MV-24N5	120VAC*	24Vdc	0.10	0.36
5540MV-24Y6	120VAC*	24Vdc	0.10	0.32
	240VAC*		0.10	0.20
	125Vdc		0.10	0.21
	250Vdc		0.02	0.10
5540MV-485Y6	120VAC*	RS485	0.10	0.32
	240VAC*		0.10	0.20
	125Vdc		0.10	0.21
	250Vdc		0.02	0.10
5540MP-24Y6	120VAC*	24Vdc	0.10	0.32
	240VAC*		0.10	0.20
	125Vdc		0.10	0.21
	250Vdc		0.02	0.10

* 50/60 Hz

Accessories

Cat. No.	Description
5542RPU	Remote Paging Unit (no microphone)
5542RPU-M	Remote Paging Unit with hand-held microphone
5542MIC-H	Hand-held microphone
5542MIC-D	Desktop microphone
5542WPK	Weatherproof Mounting Kit for 5542RPU

