

GECB24-PWB Indoor Emergency Sounder Strobe (blue)

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- ▶ Voltage range from 16 VDC or FWR to 33 VDC or FWR
- ▶ Tamperproof, field-selectable candela options of 15 cd, 30 cd, 60 cd, 75 cd, and 110 cd
- ▶ Switch-selectable sounder options of high or low dBA; Chime, Whoop, Mechanical, or 2400 Hz tone; and Continuous or Temporal Code 3 (not available on Whoop tone) patterns
- ▶ Features SuperSlide and Checkmate for easy installation and system testing
- ▶ Synchronize strobes and/or sounders with the Gentex AVS-44 or AVS44-W Synchronization Module

The Gentex GECB24-PWB Indoor Emergency Sounder Strobe provides dependable audible and visual alarms for warning and emergency notification. These sounder strobe combinations are intended for access control, intrusion, and other emergency notification, but not for fire applications. They are blue, operate at 24 V nominal, and are UL Listed for wall-mount applications.

They are supplied with a die-cast 4 in (10.2 cm) mounting bracket incorporating the SuperSlide feature that allows easy system pre-wiring and supervision testing. They also feature Checkmate Instant Voltage Verification that allows easy checking of voltage drop and current draw.

Functions

Easy Installation and Testing

The user can wire the entire system, then install the sounder strobes, reducing installation and operating costs. Use the SuperSlide and Checkmate features to test loop supervision, voltage drop, and current draw.

Sounder Output

The sounder offers a choice of a 2400 Hz (remote signaling) tone, a low-frequency mechanical (evacuation) tone where closed doors could prevent hearing the 2400 Hz tone, a Chime tone, or a Whoop tone.

The user can select either high or low dBA for all tone options, and continuous or temporal Code 3 output for all options except Whoop tone (continuous only). The temporal signals can be synchronized using an AVS-44 or AVS44-W Synchronization Module.



Notice

The temporal Code 3 tone pattern is generally reserved for fire alarm evacuation notification, and it is not recommended for use with these sounder strobes.

Strobe Output

The strobe has a minimum flash rate of 1 Hz within the defined voltage range. With an AVS-44 or AVS44-W Synchronization Module or with a compatible control

panel, the signaling appliance can silence the audible signal while leaving the visible signal energized using a single pair of power wires.

Certifications and approvals

Gentex hold these Listings and Approvals:

Region	Certification
USA	UL ULSZ: Audible Signal Appliances (UL464), UVAV: Visual Signal Appliances for Fire Protective Signaling Systems (UL1638)
	CSFM see our website

Installation/configuration notes

Mounting Considerations



Notice

This sounder strobe is for indoor installations only.

This sounder strobe combination is equipped with a four-inch (10.2 cm) square metal mounting bracket that can be attached as follows:

	Conduit Applications	Surface Mounted	Semi-flush Mounted
Single-gang	•		•
Double-gang	•	•	•
Four-inch square	•	•	•

Wiring



Notice

Do not use these sounder strobes in coded or pulsed signaling circuits.

The input terminals accept wires with diameters between 18 AWG and 12 AWG (ISO 0.75 mm² and 4 mm²).

Parts included

Quant.	Component
1	Sounder Strobe
1	Mounting plate
1	Hardware pack
1	Literature pack

Technical specifications

Electrical

Voltage (Input):	24 VDC or VFWR nominal
Voltage Range:	16 VDC or FWR to 33 VDC or FWR

Environmental

Relative Humidity	Up to 93% non-condensing
Temperature (Operating):	+32°F to +120°F (0°C to +49°C)

Mechanical

Dimensions (HxWxD):	5.0 in. x 4.5 in. x 2.5 in. (12.7 cm x 11.4 cm x 6.4 cm)
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Alarm Ratings

2400 Hz Tone, Continuous

Audible Device Current (maximum):	DC: 28 mA; FWR: 48 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 81 dBA Low output: 74 dBA

2400 Hz Tone, Temporal Code 3

Audible Device Current (maximum):	DC: 28 mA FWR: 48 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 78 dBA Low output: 71 dBA

Mechanical Tone, Continuous

Audible Device Current (maximum):	DC: 25 mA FWR: 44 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 80 dBA Low output: 72 dBA

Mechanical Tone, Temporal Code 3

Audible Device Current (maximum):	DC: 25 mA FWR: 44 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 76 dBA Low output: 70 dBA

Chime, Continuous

Audible Device Current (maximum):	DC: 15 mA FWR: 30 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 70 dBA Low output: 66 dBA*

Chime, Temporal Code 3

Audible Device Current (maximum):	DC: 15 mA FWR: 30 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 70 dBA Low output: 66 dBA

Whoop, Continuous

Audible Device Current (maximum):	DC: 56 mA FWR: 62 mA RMS
Sound output (maximum range) at 10 ft (3 m):	High output: 82 dBA Low output: 69 dBA

**Notice**

The sound output for the temporal Code 3 tone is rated lower because the time the horn is off is averaged into the sound output rating. When the horn is producing a tone in the Temporal mode, its sound pressure is the same as the Continuous mode.

Strobe Current (maximum):

15 cd:	DC: 113 mA; FWR: 162 mA RMS
30 cd:	DC: 134 mA; FWR: 176 mA RMS
60 cd:	DC: 212 mA; FWR: 266 mA RMS
75 cd:	DC: 253 mA; FWR: 311 mA RMS
110 cd:	DC: 346 mA; FWR: 419 mA RMS

Trademarks

All hardware and software product names used in this document are likely to be registered trademarks and must be treated accordingly.

Ordering information**GECB24-PWB Indoor Emergency Sounder Strobe (blue)**

Blue indoor sounder strobe for emergency notification.
Order number **GECB24-PWB**

Accessories**AVS-44 Synchronization Control Module (red)**

Synchronization Control Module primarily for use with the Gentex HS24 Series and ST24 Series notification appliances.

Not Available.

Order number **AVS-44**

AVS44-W Synchronization Control Module (white)

Synchronization Control Module primarily for use with the Gentex HS24 Series and ST24 Series notification appliances.

Not Available.

Order number **AVS44-W**

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