

WGECB24-75PWB Outdoor Emergency Sounder Strobe (blue)

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Invented for life



- ▶ Voltage range from 16 VDC or FWR to 33 VDC or FWR
- ▶ 75 cd strobe output
- ▶ 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 WGECB24-75PWB Outdoor Emergency Sounder Strobe provides dependable audible and visual alarms for warning and emergency notification. These sounder strobe combination is intended for access control, intrusion, and other emergency notification, but not for fire applications. It is blue, operates at 24 V nominal, and is UL Listed for outdoor wall-mount applications when used with the GOE-B Outdoor Enclosure (blue).

It is 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. It also features 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 or up to 2 Hz within the listed voltage range. With an AVS-44 or AVS44-W Synchronization Module or 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 7135-0569:0132

Installation/configuration notes

Mounting Considerations



Notice

This sounder strobe is listed for outdoor installations when used with the supplied GOE-B Weatherproof Enclosure.

This sounder strobe combination is equipped with a four-inch (10.2 cm) square metal mounting bracket.

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	GOE-B enclosure
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):	-31°F to +150°F (-35°C to +66°C)

Mechanical

Dimensions (GOE-B):	5.75 in. x 4.75 in. x 4.18 in. (14.6 cm x 12.1 cm x 10.6 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):

75 cd: DC: 180 mA; FWR: 245 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

WGECB24-75PWB Outdoor Emergency Sounder Strobe (blue)

Blue outdoor sounder strobe for emergency notification.

Order number **WGECB24-75PWB**

Accessories

GOE-B Outdoor Enclosure (blue)

For use with Gentex GECB (indoor) and WGECB (outdoor) notification appliances.

Not Available.

Order number **GOE-B**

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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