

GC Ceiling-mount, Field-selectable Strobes and Horn Strobes

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Invented for life



- ▶ Field-selectable candela options (15 cd, 30 cd, 75 cd, 95 cd, and 115 cd)
- ▶ Separate horn and strobe functions; silence horn while strobes remain flashing
- ▶ Strobe, horn, or both can be synchronized using the AVS Series Synchronization Modules
- ▶ Silence horn while strobes remain flashing
- ▶ Switch selection for high or low dBA, high or low frequency, and for Temporal Code 3, Chime, or Whoop tones

The Commander⁴ Series Ceiling-mount Strobes and Horn Strobe combinations offer dependable audible and visual alarms, low current draw, and a minimum flash rate of 1 Hz regardless of the input voltage. These models offer field-selectable options of 15 cd, 30 cd, 75 cd, 95 cd, 115 cd, and 150 cd. The horns provide a selection of high or low dBA and a selection of 2400 Hz (remote signaling) or a low frequency broad band from 1500 Hz to 3000 Hz mechanical sounding (evacuation) tone where doors could be a problem. These models are easily field-changeable from Temporal Code 3 to a continuous tone. These devices come standard with a 4 in. (10.2 cm) mounting plate, and incorporate the popular SuperSlide feature that allows you to easily test for supervision.

Certifications and approvals

Gentex Corporation holds these Listings and Approvals:

Region	Certification	
USA	UL	ULSZ: Audible Signal Appliances (UL464), ULSZ7: Audible Signal Appliances Certified for Canada, and UUKC: Signaling Appliances and Equipment for the Hearing Impaired (ANSI/UL 1971) (GCC24-C models)
	UL	UUKC: Signaling Appliances and Equipment for the Hearing Impaired (ANSI/UL 1971) and UEES7: Visual-signal Appliances Certified for Canada [CAN/ULC-S526 (1987)] (GCS24-C models)
	FM	
	CSFM	see our website

Installation/configuration notes

Mounting Considerations

These strobes are equipped with a 4-in. square mounting plate that can be mounted on the indicated back boxes for the indicated applications:

	Conduit Applications	Surface Mounted	Flush Mounted
4-in. square		•	•
GSB	•	•	

Synchronization

Although the AVS44 modules can be used with these devices, the AVSM modules are recommended in loops where no HS24 or ST24 devices are used.

Wiring

Notice
Do **not** use these strobe units 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	Horn Strobe
1	Mounting plate with terminal block
1	Jumper card
2	Hardware packs
1	Literature pack

Technical specifications

Electrical

Current (operating strobe):	15 cd = 72 mA; 30 cd = 88 mA; 75 cd = 176 mA; 95 cd = 200 mA; 115 cd = 214 mA, 150 cd = 286 mA
Regulated Voltage (input):	24 VDC or FWR

Environmental

Temperature (Operating):	+32°F to +120°F (0°C to +49°C)
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Mechanical

Candela Selections:	15 cd, 30 cd, 75 cd, 95 cd, 115 cd, or 150 cd
Dimensions (diameter x D):	6.0 in. x 2.6 in. (15.2 cm x 6.6 cm)

Horn Ratings

Temporal Code 3, 2400 MHz Mode

Audible Device Current (maximum):	22 mA RMS 45 mA FWR
Sound Output (maximum range) at 10 ft (3 m):	High output: 83 dBA Low output: 75 dBA

Temporal Code 3 Mechanical Mode

Audible Device Current (maximum):	23 mA RMS 43 mA FWR
Sound Output (maximum range) at 10 ft (3 m):	High output: 81 dBA Low output: 73 dBA*

*Operating the horn in this mode at this voltage does **not** meet the minimum UL reverberant sound level required for public mode fire protection service. These settings are acceptable only for private mode fire alarm use. Chime mode is only acceptable for private use.

Continuous 2400 MHz Mode

Audible Device Current (maximum):	22mA RMS 45 mA FWR
Sound Output (maximum range) at 10 ft (3 m):	High output: 86 dBA Low output: 78 dBA

Continuous Mechanical Mode

Audible Device Current (maximum):	23 mA RMS 43 mA FWR
Sound Output (maximum range) at 10 ft (3 m):	High output: 84 dBA Low output: 76 dBA

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

Trademarks

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

Ordering information

GCC24-CR Red Horn Strobe Unit

Red ceiling-mount horn strobe with field-selectable strobe intensities of 15, 30, 75, 95, 115, and 150 cd, 2400 Hz (remote signaling) or low frequency broad band from 1500 to 3000 Hz mechanical sounding (evacuation) tone, continuous or temporal (Code 3) horn tone, and high or low sound volumes.
Order number **GCC24-CR**

GCC24-CW White Horn Strobe Unit

White ceiling-mount horn strobe with field-selectable strobe intensities of 15, 30, 75, 95, 115, and 150 cd, 2400 Hz (remote signaling) or low frequency broad band from 1500 to 3000 Hz mechanical sounding (evacuation) tone, continuous or temporal (Code 3) horn tone, and high or low sound volumes.
Order number **GCC24-CW**

GCS24-CR Red Strobe Unit

Red ceiling-mount strobe with field-selectable intensities of 15 cd, 30 cd, 75 cd, 95 cd, 115 cd, and 150 cd.

Order number **GCS24-CR**

GCS24-CW White Strobe Unit

White ceiling-mount strobe with field-selectable intensities of 15 cd, 30 cd, 75 cd, 95 cd, 115 cd, and 150 cd.

Order number **GCS24-CW**

Accessories

AVS-44 Synchronization Control Module (red)

Order number **AVS-44**

AVS44-W Synchronization Control Module (white)

Order number **AVS44-W**

AVSM-R Synchronization Control Module (red)

Synchronization module for use with all Gentex synchronizable notification appliances except the HS24 Series and the ST24 Series.

Not Available.

Order number **AVSM-R**

AVSM-W Synchronization Control Module (white)

Synchronization module for use with all Gentex synchronizable notification appliances except the HS24 Series and the ST24 Series.

Not Available.

Order number **AVSM-W**

GSB Surface Back Box (red)

5.6 in. x 4.6 in. x 1.5 in. (14.1 cm x 11.6 cm x 3.7 cm)

Order number **GSB**

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