

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

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- ▶ Field-selectable candela options (15 cd, 30 cd, 75 cd, 95 cd, and 115 cd)
- ▶ 24 V models
- ▶ Separate horn and strobe functions
- ▶ Strobe, horn, or both can be synchronized using the AVS Series Synchronization Modules
- ▶ Silence horn while strobes remain flashing

The Commander<sup>4</sup> Series Ceiling-mount Strobes and Horn Strobe combinations (GC Family) 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.

- CBFP City of Chicago Bureau of Fire Protection
- ADA Complies with Americans with Disabilities Act ADA 4.28.3
- NFPA Complies with National Fire Protection Association NFPA 72

Region	Certification	
USA	UL	GCC24 models: ULSZ: Audible Signal Appliances (UL464), ULSZ7: Audible Signal Appliances Certified for Canada
	UL	GCS24 models: UVAV7: Visual Signal Appliances for Fire Protective Signaling Systems Certified for Canada (cUL)
	FM	
	CSFM	7125-0569: 123
	CSFM	7135-0569:0122 [GCC24-C]

## Certifications and approvals



### Notice

Gentex Corporation holds these Listings and Approvals.

### 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 (1.2 mm) and 12 AWG (2.3 mm).

### Parts included

Quant.	Component
1	Horn Strobe
1	Mounting plate with terminal block
1	Jumper card
2	Hardware packs
1	Literature pack

### Technical specifications

#### Environmental Considerations

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

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
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Sound Output (maximum range) at 10 ft (3 m):	High output: 81 dBA Low output: 73 dBA*
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\*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.

#### Power Requirements

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

#### Trademarks

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SuperSlide is a trademark of the Gentex Corporation, USA.

### Ordering information

#### GCC24-CR Red Horn Strobe Unit

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

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**GCS24-CR Red Strobe Unit**

Red ceiling-mount device with field-selectable strobe intensities of 15 cd, 30 cd, 75 cd, 95 cd, 115 cd, and 150 cd  
Order number **GCS24-CR**

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**GCS24-CW White Strobe Unit**

White ceiling-mount device with field-selectable strobe intensities of 15 cd, 30 cd, 75 cd, 95 cd, 115 cd, and 150 cd  
Order number **GCS24-CW**

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

Synchronization Control Module primarily for use with the Gentex HS24 Series and ST24 Series notification appliances.  
Order number **AVS-44**

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**AVS44-W Synchronization Control Module (white)**

Synchronization Control Module primarily for use with the Gentex HS24 Series and ST24 Series notification appliances.  
Order number **AVS44-W**

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**AVSM-R Synchronization Control Module (red)**

Synchronization module for use with all Gentex synchronizable notification appliances except the HS24 Series and the ST24 Series.  
Order number **AVSM-R**

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**AVSM-W Synchronization Control Module (white)**

Synchronization module for use with all Gentex synchronizable notification appliances except the HS24 Series and the ST24 Series.  
Order number **AVSM-W**

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**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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