

# GS/GHS Colored Lens Series

## Ceiling/Wall Mount Selectable Candela Evacuation Signals

24 VDC Commander 5 Strobe and Horn/Strobe

20 Units per carton, 23 pounds per carton

### Application

The GS/GHS Commander 5 Colored Lens Series are universal ceiling and wall mount strobe or horn/strobe combination that offers dependable audible and visual alarms for warning and emergency notification. Applications include emergency communication, severe weather, emergency response and many more.

The GS/GHS Colored Lens Series are 24VDC units available in lens colors of amber, blue, green and red. The series offers tamperproof field selectable strobe options. The GHS horn/strobe offers continuous or synchable temporal tones for mechanical, 2400Hz and chime as well as a non-synchable continuous whoop tone. All tones are easy for the professional to change in the field by using switches.

The Commander 5 Colored Lens Series is shipped with a standard 4" mounting plate which incorporates the popular Super-Slide® feature that allows the installer to easily test for supervision. The product also features a locking mechanism that secures the signal to the bracket without showing any screws. The GS/GHS Colored Lens Series also features the patented Checkmate® Instant Voltage Verification feature which allows the installer to check the voltage drop draw and match it against the blueprint.

The Commander 5 Colored Lens Series are ANSI/UL1638, ANSI/UL464, CAN/ULC 525 and/or CAN/ULC 526 listed. The Amber lens models are also compliant with the rated candela per the polar dispersion requirements of ANSI/UL 1638. Therefore, the ANSI/UL 1638 polar plot is equal to the candela listed on the product, no derating was required. The GS/GHS Colored Lens Series is warranted for three years from date of purchase.

### Standard Features

- Nominal Voltage 24 VDC
- Tamperproof field selectable candela
- Amber, Blue and Green Candela settings: 15, 30, 60, 75, 95, 115 candela
- Red Candela settings: 10, 15, 30, 45, 60, 75 candela
- Unit dimensions: 5.91" (15.0 cm) x 5.91" (15.0 cm) x 2.56" (6.5 cm)
- Super-Slide® Bracket, Ease of Supervision Testing
- Checkmate® Instant Voltage Verification
- Prewire entire system, install mounting bracket, then install signals
- Documented lower installation and operating costs
- Input terminals 12 to 18 AWG
- Horn/strobe switch selection for high or low dBA
- Horn/strobe switch selection for continuous or temporal 2400Hz, mechanical or chime tones
- Horn/strobe switch selection for continuous whoop tone
- Synchable horn/strobe for all temporal tones using Gentex GTSM Control Module
- Continuous whoop tone is not synchable using Gentex GTSM Control Module
- Temporal 4 tone available when using Gentex GTSM Control Module
- Silence audible while visual appliance will remain flashing with Gentex GTSM Control Module
- Surface mount with the GBB box
- Faceplate available in red or white
- Universal wall/ceiling mount



### Product Listings



- ANSI/UL 464 and ANSI/UL 1638 Listed
- CAN/ULC 525 and/or CAN/ULC 526 Listed
- CSFM: Listed

### Patents

- 7,375,617 May 20, 2008

### Product Compliance

- NFPA 72
- Americans with Disabilities Act (ADA)
- IBC/IFC/IRC
- City & State ordinances/Laws/Regulations
- Quality Management System is certified to: ISO 9001:2015

## Product Models

### GS & GHS Colored Lens 24VDC Selectable Candela, Low Profile Evacuation Strobe

Model	Part Number	Lens Color	Voltage (VDC)	Candela
GSAPR	904-1463-002	Amber	24	15, 30, 60, 75, 95, 115
GSAPW	904-1464-002	Amber	24	15, 30, 60, 75, 95, 115
GSBPR	904-1465-002	Blue	24	15, 30, 60, 75, 95, 115
GSBPW	904-1466-002	Blue	24	15, 30, 60, 75, 95, 115
GSGPR	904-1467-002	Green	24	15, 30, 60, 75, 95, 115
GSGPW	904-1468-002	Green	24	15, 30, 60, 75, 95, 115
GSRPR	904-1469-002	Red	24	10, 15, 30, 45, 60, 75
GSRPW	904-1470-002	Red	24	10, 15, 30, 45, 60, 75
GHSAPR	904-1473-002	Amber	24	15, 30, 60, 75, 95, 115
GHSAPW	904-1474-002	Amber	24	15, 30, 60, 75, 95, 115
GHSBPR	904-1475-002	Blue	24	15, 30, 60, 75, 95, 115
GHSBPW	904-1476-002	Blue	24	15, 30, 60, 75, 95, 115
GHSGPR	904-1477-002	Green	24	15, 30, 60, 75, 95, 115
GHSGPW	904-1478-002	Green	24	15, 30, 60, 75, 95, 115
GHSRPR	904-1479-002	Red	24	10, 15, 30, 45, 60, 75
GHSRPW	904-1480-002	Red	24	10, 15, 30, 45, 60, 75

R = Red Faceplate, W = White Faceplate.

All units are available in P = plain (no lettering).  
Plain units are not returnable.

Alert, Agent, Evac, Fuego, Feu, Alerte bezels available for order.

### Colored Lens Series Strobe Current Ratings

Candela	Regulated 24VDC Max. Operating Current (mA)	Nominal 24VDC Operating Current (mA)
15   10*	36	30
30   15*	54	42
60   30*	93	65
75   45*	112	78
95   60*	138	98
115   75*	162	119

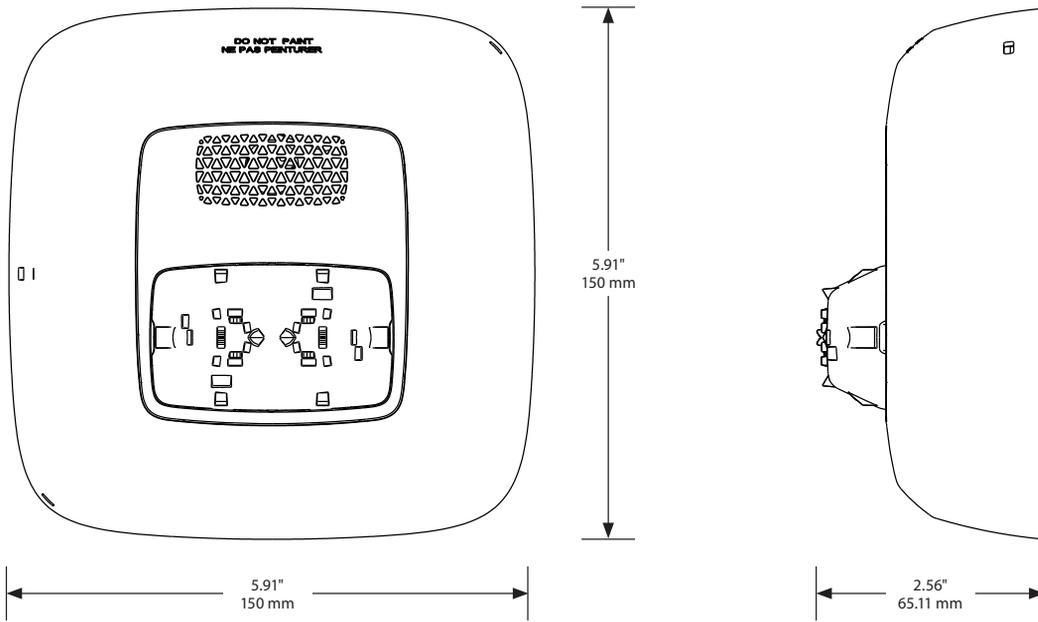
\* Candela lens strobe ratings with asterisk apply to Red lens only.

### GHS Colored Lens 24VDC Horn/Strobe Horn Decibel (dBA) and Current Ratings (mA)

Sound Settings		Current Draw (mA)											Sound Output dBA	
Horn Mode	Volume Setting	Regulated 24VDC Max. Operating Current UL Max Over Input Voltage Range of 16-33V						Nominal 24VDC Operating Current					Minimum SPL at 10ft. Per ANSI/UL 464 Reverberant	
		15 10*	30 15*	60 30*	75 45*	95 60*	115 75*	15 10*	30 15*	60 30*	75 45*	95 60*		115 75*
Mechanical - Temporal 3	High	43	63	103	121	144	167	38	50	74	87	103	124	86
Mechanical - Temporal 3	Low	41	60	100	119	142	164	34	46	70	83	99	121	77
Mechanical - Temporal 4	High	41	57	88	114	143	175	32	47	70	87	108	132	86
Mechanical - Temporal 4	Low	39	57	87	113	143	174	31	46	69	86	107	131	77
Mechanical - Continuous	High	49	69	105	125	146	171	46	56	80	93	111	130	86
Mechanical - Continuous	Low	41	61	101	119	141	165	35	48	72	84	102	122	77
2400Hz - Temporal 3	High	46	64	104	123	145	169	39	51	76	88	107	127	88
2400Hz - Temporal 3	Low	42	61	101	120	143	165	33	46	70	83	101	122	78
2400Hz - Temporal 4	High	41	58	88	114	143	175	34	47	70	86	107	130	88
2400Hz - Temporal 4	Low	39	57	87	113	143	172	32	46	69	85	105	129	78
2400Hz - Continuous	High	52	70	111	128	150	174	50	61	85	97	115	134	88
2400Hz - Continuous	Low	44	62	102	120	142	166	38	50	73	87	103	123	78
Chime - Temporal 3	High	44	62	101	120	143	166	37	49	72	85	103	123	71**
Chime - Temporal 3	Low	42	61	99	118	141	164	34	46	69	82	98	121	64**
Chime - 5 Second	High	41	56	86	113	142	172	33	46	69	87	108	131	71**
Chime - 5 Second	Low	40	60	86	112	141	173	32	45	68	86	107	130	64**
Chime - Continuous	High	46	64	99	119	141	164	40	51	73	86	107	127	71**
Chime - Continuous	Low	43	61	97	117	137	160	34	46	71	82	101	122	64**
Whoop	High	71	88	126	144	166	191	71	82	107	118	135	155	82**
Whoop	Low	47	65	103	121	143	168	42	54	78	91	108	129	69**

\* Candela lens strobe ratings with asterisk apply to Red lens only.

\*\* These settings are acceptable for private mode fire alarm signaling use. Operating the horn in this mode at this voltage will result in not meeting ANSI/UL 464 sound requirements for public mode fire protection service.



## Gentex Super-Slide® Mounting Bracket

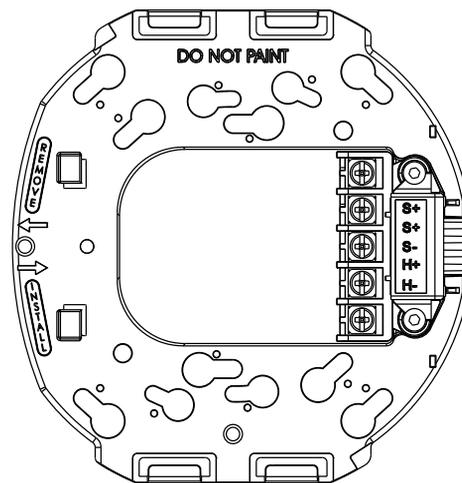
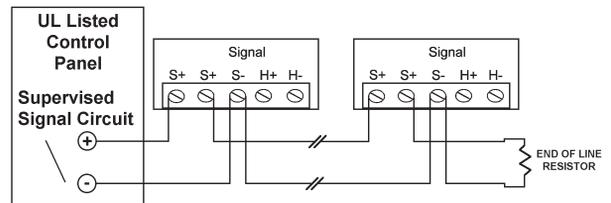
Allows the installer to prewire the system, test for system supervision, remove the signal head until occupancy, switch out Gentex signals without changing mounting brackets and has locking edge connector for snap-in-place installation.

## Gentex Checkmate® Instant Voltage Verification

It is often necessary to confirm the voltage drop along a line of devices. The access holes are provided in the back of the terminal block to allow the voltage to be measured directly without removing the device. Typically this would be done at the end of the line to confirm design criteria. Most measurements will be taken using the S+ and S- locations although access is provided to other locations. Notice: Care should be taken to not short the test probes.

## Notes

- Operating temperature: 32° to 120°F (0° to 49°C)
- The GS/GHS Series is not listed for outdoor use
- For nominal and peak current across ANSI/UL regulated voltage range for filtered DC power, see installation manual
- This appliance is not recommended for use on coded or pulsing signaling circuits
- The four pulse temporal pattern (temporal 4) can only be obtained on this product when used in conjunction with the Gentex GTSM Synchronization Control Module
- See GTSM Control Module manual (550-0632, manual issue date 02-01-15) for Synchronization Control Module wiring diagrams. GTSM manual can be obtained at [fireprotection.gentex.com](http://fireprotection.gentex.com), or call Gentex Corporation at 1-800-436-8391



# GS/GHS Colored Lens Series

## Ceiling/Wall Mount Selectable Candela Evacuation Signals

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### Architect & Engineering Specifications

The audible and/or visible signal shall be Gentex GS/GHS Colored Lens Series or approved equal and shall be listed by Underwriters Laboratories (ANSI/UL) per ANSI/UL 1638 and/or ANSI/UL 464 and CAN/ULC 526 and/or CAN/ULC 525. The notification appliance (GHS Colored Lens Series) shall produce a peak sound output of 88 dBA or greater as measured in a reverberant room and shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of power wires. Additionally, the user shall be able to select either continuous or temporal tone output with the temporal signal having the ability to be synchronized. The visual signal shall have a 1 Hz flash rate regardless of input voltage. The appliance shall have an operating current of 36 mA or less at 24 VDC for the 15 Cd strobe circuit. The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with a mounting bracket with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox without the use of an adapter plate. The GS/GHS Colored Lens Series shall be mounted on the wall or ceiling. The unit shall have an input voltage range of 16-33 volts with direct current power. The appliance shall be capable of testing supervision without disconnecting wires, verify voltage at the unit without removing unit and be capable of mounting to a surface back box.



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