

GHSLFC Series

Ceiling/Wall Mount Selectable Candela, Low Frequency Horn/Strobe

24VDC, 520Hz Horn with Selectable Candela Strobe

20 Units per carton, 38 pounds per carton

Applications

The GHSLFC is a high quality, low profile, low frequency audible and visible appliance that offers a dependable audible and visual alarm. The GHSLFC is ideal for any occupancy that requires notification appliances.

The GHSLFC horn offers a 520 Hz square wave, temporal 3 tone. A jumper selection is available for normal or loud decibel tone. A temporal 4 pattern is available when used with the Gentex GTSM Synchronization Control Module. The GHSLFC offers tamperproof field selectable strobe options of 15, 30, 75, 115, 150, and 177 candela.

The GHSLFC is shipped with a metal 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 which secures the product to the bracket without any screws showing.

The GHSLFC also features the patented Checkmate® Instant Voltage Verification feature which allows the installer to check the voltage drop and match it to the blueprint.

The GHSLFC is listed to ANSI/UL 464, ANSI/UL 1638 and CAN/ULC 525 and/or CAN/ULC 526, and is listed for use with fire protective systems and is warranted for three years from date of purchase.

Standard Features

- Nominal voltage 24 VDC
- Tamperproof field selectable candela options of 15, 30, 75, 115, 150 & 177
- Unit dimensions: 5.9" (14.9 cm) square x 3.4" (8.6 cm) deep
- Produces a 520 Hz square wave, temporal 3 tone
- Super-Slide® Bracket, Ease of Supervision Testing
- Checkmate® Instant Voltage Verification
- Prewire entire system, install mounting bracket, then install speaker
- Mount to a standard 4" x 2-1/8" deep box
- Temporal 4 pattern available when used with Gentex GTSM Synchronization Control Module
- Temporal 4 520 Hz measured per ANSI/UL 2075
- Input terminals 12 to 18 AWG
- 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

GHSLFC Ceiling/Wall Mount, Selectable Candela, Low Frequency/Strobe

Model	Part Number	Voltage (VDC)
GHSLFCR	904-1597-002	24 VDC
GHSLFCW	904-1598-002	24 VDC

R = Red Faceplate, W = White Faceplate.

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

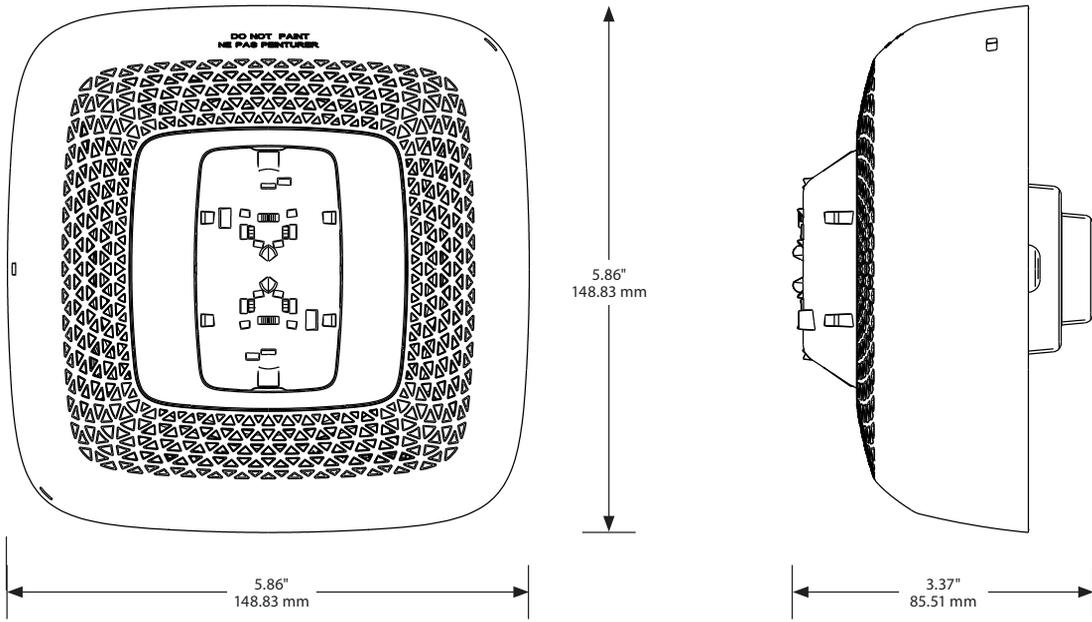
Alert, Agent, Evac, Fuego, Feu, Alerte bezels available for order.

Horn Decibel Levels: Reverberant Room (dBA)

Horn Mode	Minimum SPL at 10ft. Per ANSI/UL 464 (NORMAL)	Minimum SPL at 10ft. Per ANSI/UL 464 (LOUD)
Temporal 3 520 Hz	81.0	83.0
Temporal 4 520 Hz	81.0	83.0

24 VDC Nominal Horn/Strobe Current Ratings (mA) Horn/Strobe Current Ratings Over Input Voltage Range of 16 – 33V (mA)

Candela	Horn Mode	24 VDC Operating Current (NORMAL)	24 VDC Operating Current (LOUD)	UL MAX Regulated 24 VDC Operating Current (NORMAL)	UL MAX Regulated 24 VDC Operating Current (LOUD)
15	Temporal 3 520Hz	97 mA	133 mA	132 mA	199 mA
	Temporal 4 520Hz	61 mA	74 mA	103 mA	124 mA
30	Temporal 3 520Hz	103 mA	140 mA	138 mA	204 mA
	Temporal 4 520Hz	67 mA	81 mA	104 mA	132 mA
75	Temporal 3 520Hz	124 mA	160 mA	174 mA	240 mA
	Temporal 4 520Hz	89 mA	102 mA	110 mA	146 mA
115	Temporal 3 520Hz	148 mA	183 mA	214 mA	271 mA
	Temporal 4 520Hz	114 mA	124 mA	139 mA	162 mA
150	Temporal 3 520Hz	168 mA	200 mA	242 mA	293 mA
	Temporal 4 520Hz	135 mA	147 mA	173 mA	190 mA
177	Temporal 3 520Hz	185 mA	219 mA	260 mA	311 mA
	Temporal 4 520Hz	156 mA	167 mA	206 mA	222 mA



Gentex Super-Slide® Mounting Bracket

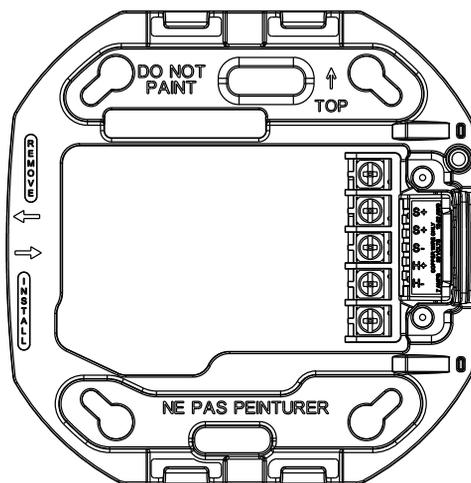
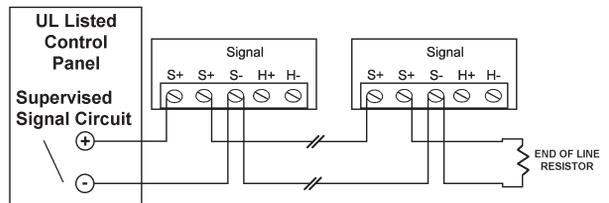
Allows the installer to prewire the system, test for system supervision, remove the signal head until occupancy, switch out Gentex signals without changing mounting brackets and has locking edge connector for snap-in-place installation.

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 GHSLFC 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
- 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 GTSM Synchronization Control Module wiring diagrams. GTSM manual can be obtained at fireprotection.gentex.com, or call Gentex Corporation at 1-800-436-8391



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Architect & Engineering Specifications

The audible and visible appliance shall be Gentex model GHSLFC. The appliance shall be listed with Underwriters Laboratories (ANSI/UL) for use with fire protective signaling systems (ANSI/UL 1638 and ANSI/UL 464) and with CAN/ULC 526 and CAN/ULC 525 with intended use in fire alarm systems. The GHSLFC will produce a peak sound output of at least 75 dBA 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. The GHSLFC shall have a 1 Hz flash rate regardless of input voltage. The strobe appliance shall have an operating current of 260 mA or less for the 177 candela strobe circuit with the horn set at the NORMAL setting. 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 and barriers for input/output wiring and be able to mount to a standard 4" x 2-1/8" deep box. The GHSLFC shall be mounted on the wall or ceiling. The unit shall have an input voltage range of 16-33 volts direct current power at 24 VDC. The appliance shall be capable of testing supervision without disconnecting wires, verify voltage without removing unit and be capable of mounting to a surface back box.



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