



July 10, 1998

DN-5051 • J-116

Gentex GX Series GX90, GX90S, and GXS Models

Section: Audio/Visual Devices

GENERAL

The Gentex GX Series are high-quality remote signaling devices that offer both audible alarms, visual alarms, or a combination of both, in a variety of candela options.

The GX Series are available in Fire Alarm Red or Off-White faceplates with a textured grain finish. These plastic faceplates permit attractive flush mounting.

The GX Series with the 15/75, 30/75 and 110 cd models meet or exceed the requirements of 4.28.3 of the ADA, UL 1971, and UL 1638. All GX Series appliances are UL 464/1971 listed for use with fire protective systems.

All models are 1 Hz and listed for both filtered and unfiltered DC power. The GXS models are provided with a two-position terminal block (12-18 AWG/0.75-3.25 mm²).

All 24 VDC appliances have a peak operating current, nominal operating current, and inrush current. The Z-Series synchronized strobes require the use of the ZMS4 module.

FEATURES

- Low current consumption.
- Terminal blocks.
- Flash rate 1 Hz.
- Textured finish, high-impact plastic faceplate, available in fire-alarm red or off-white.
- A variety of mounting options for new construction and retrofit applications.
- 15/75, 30/75 and 110 candela strobe options meet or exceed the requirements of ADA 4.28.3.
- UL 464/UL1971 listed for Fire Protective Service/Signal for Hearing Impaired.
- Strobe synchronization with "Z"-suffix models (use with ZMS4 sync module).



S3406
S5405



California
State Fire
Marshal

7135-0569:113 (GX90, GX90S)
7125-0569:114 (GXS)

MEA

285-91-E



CS607-E (GX90)
CS895 (GX90S-4-15,
GX90S-4-15/75, GXS-4-15,
GXS-4-15/75, GXS-4-30/75)

ADA

(4.23.3)



**GX90S Remote
Audible/Visual Signal**



**GXS Remote Visual Signal with
Gentex Universal Mounting Plate**



**GX90 Remote
Audible Signal**

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact **NOTIFIER**. Phone: (203) 484-7161 FAX: (203) 484-7118



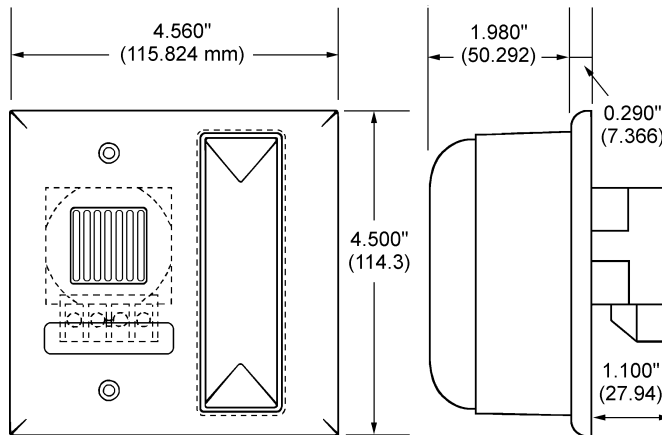
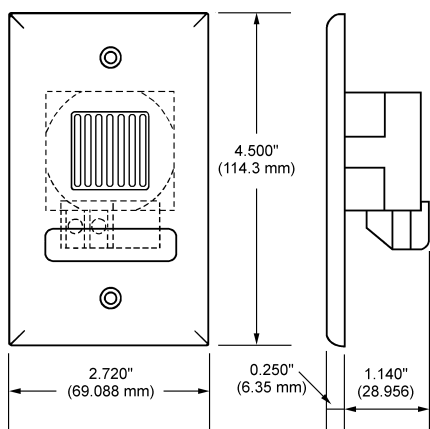
NOTIFIER

12 Clintonville Road, Northford, Connecticut 06472

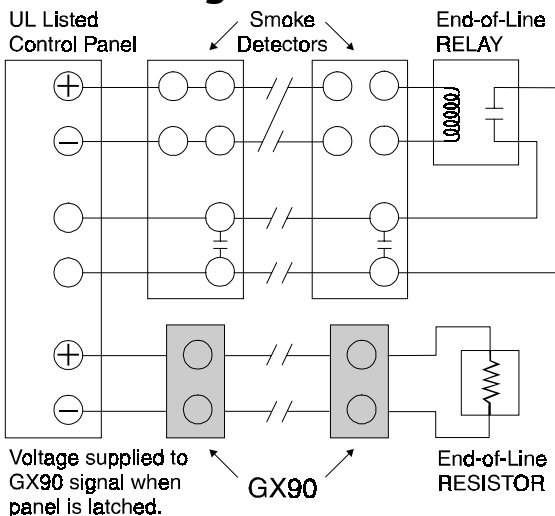
ISO 9001
CERTIFIED
ENGINEERING & MANUFACTURING

GX90 & GX90S DIAGRAMS

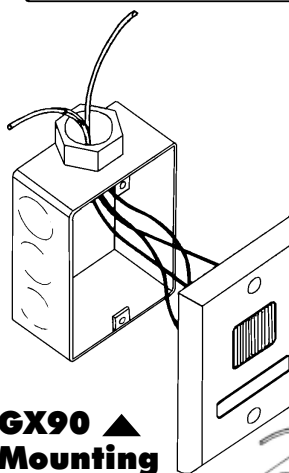
LEFT: GX90 Dimensions
BELOW: GX90S Dimensions



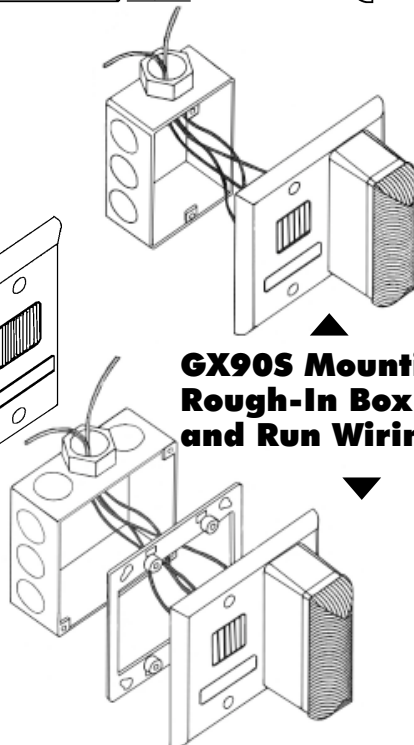
GX90 Wiring



GX90 Mounting

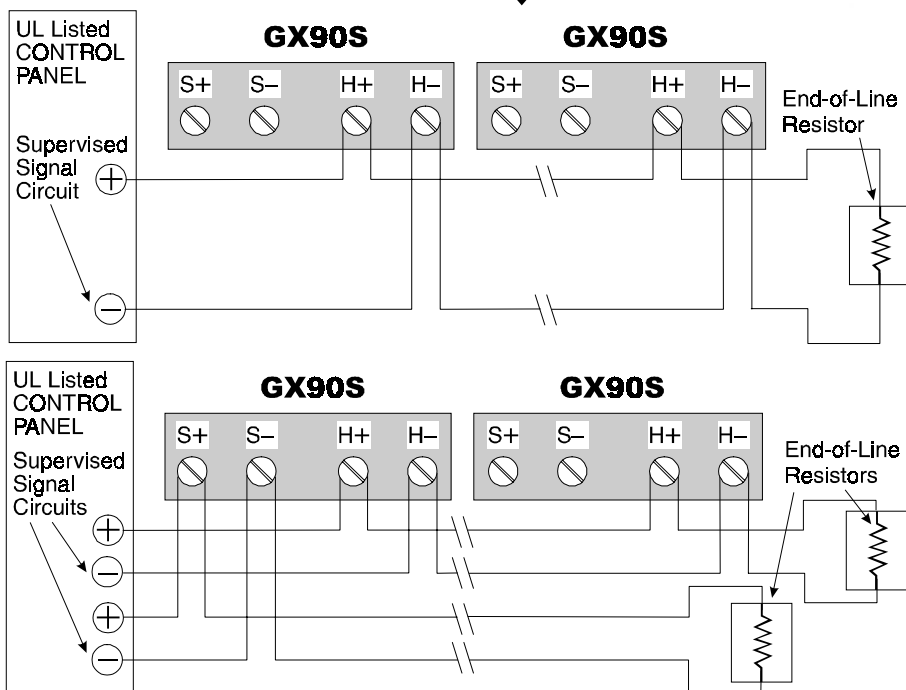


GX90S Mounting Rough-In Box and Run Wiring



GX90 & GX90S Wiring

- HORN AND STROBE IN PARALLEL.



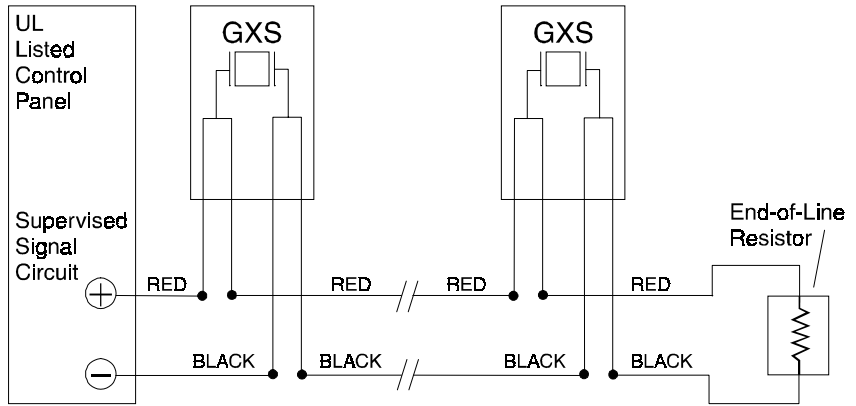
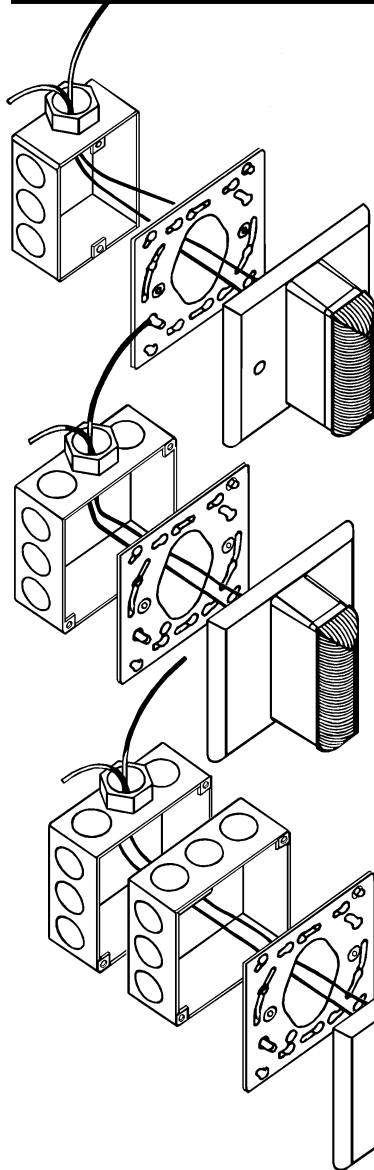
WIRING NOTES FOR DIAGRAMS AT LEFT:

- Each wire run must be broken to provide supervision of signal circuit.
- Voltage supplied to remote signal when panel is latched.
- Although electrically compatible, strobe device units are not recommended for use on coded or pulsing signaling circuits.

- HORN AND STROBE POWERED INDEPENDENTLY.

NOTE: REMOVE JUMPERS J1 AND J2.

GXS DIAGRAMS

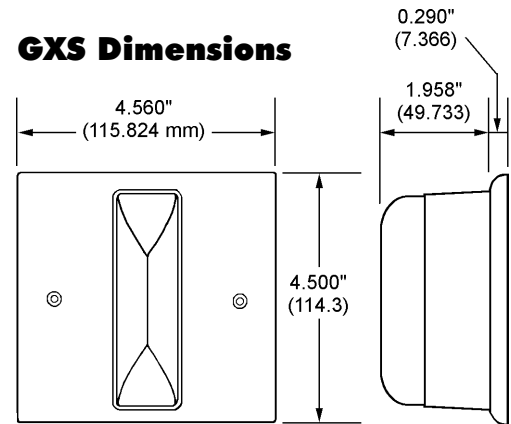


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GXS Mounting Rough-In Box and Run Wiring

GXS Dimensions



ARCHITECTS' & ENGINEERS' SPECIFICATIONS

GX90 Alarm Horn:

The alarm horns shall be Gentex model GX90. The appliance shall be listed with Underwriters Laboratories for use with Fire Protective Signaling Systems and produce a minimum 90 dB at 10 ft (3.048 m). The appliance shall be of solid-state construction and be polarized to operate from 21-30 VDC with a 15 milliamp current drain at 24 VDC; and from 10-16 VDC with a 12 milliamp current drain at 12 VDC. The appliance shall be provided with two terminals, and mount to a variety of single-gang backboxes.

GX90S Alarm Horn/Strobe:

The audible/visual shall be Gentex model GX90S or approved equivalent, and shall be listed by Underwriters Laboratories per UL 464, and per UL 1971. The notification appliance shall also be listed with the California State Fire Marshal (CSFM) and MEA (NYC). • The notification appliance shall produce a peak sound output of 90 dBA or greater as measured in an anechoic chamber. • The visual signal shall have a 1 Hz flash rate regardless of input voltage. • The notification appliance shall be provided with terminals and be capable of mounting to a 4" (10.16 cm) square backbox or single-gang switch box.

GXS Visual Signal:

The visual signal shall be the Gentex Model GXS or approved equivalent. The visual appliance shall be listed by Underwriters Laboratories Inc. for use with fire protective signaling systems for the hearing impaired (UL 1971) and be UL listed per UL 1638. • The visual appliance shall be installed in accordance with the appropriate provisions of the Uniform Building Code, National Fire Protection Association, American National Standards, Southern Building Codes, or other applicable federal, state and local requirements. • The visual signal shall be capable of mounting to a single-gang, double-gang or double workbox, or 4" square backbox. • The visual signal shall have a voltage range of 21 - 30 VDC. The visual signal shall have a constant flash rate of 1 Hz, regardless of listed input voltage.

ORDERING INFORMATION

			STROBE Rated Current			
Model Number	Nominal Operating Voltage	Light Effective Intensity in Candela	Nominal Operating Current	Inrush*	Peak	Peak dB at 10 feet
GX90-2R (or W)	12 VDC	—	(horn 12 mA)	—	—	90
GX90-4R (or W)	24 VDC	—	(horn 15 mA)	—	—	90
GXS-2-15/75WR (or WW)	12 VDC	15 or 75	198 mA	5000 mA*	330 mA	90
GXS-4-15WR (or WW)	24 VDC	15	78 mA	114 mA	84 mA	90
GXS-4-15/75WR (or WW)	24 VDC	15 or 75	105 mA	130 mA	110 mA	90
GXS-4-15/75CR (or CW)	24 VDC	15 or 75	120 mA	140 mA	120 mA	90
GXS-4-15/75WRZ (or WWZ)	24 VDC	15 or 75	130 mA	490 mA	680 mA	90
GXS-4-30/75WR (or WW)	24 VDC	30 or 75	142 mA	120 mA	160 mA	90
GXS-4-110WR (or WW)	24 VDC	110	220 mA	148 mA	240 mA	90
GXS-120-177WR (or WW)	120 VAC	177	—	—	—	90
GX90S-2-15/75WR (or WW)	12 VDC	15 or 75	198 mA	5000 mA*	330 mA	90
GX90S-4-15WR (or WW)	24 VDC	15	78 mA	114 mA	84 mA	90
GX90S-4-15/75WR (or WW)	24 VDC	15 or 75	105 mA	130 mA	110 mA	90
GX90S-4-15/75CR (or CW)	24 VDC	15 or 75	120 mA	140 mA	120 mA	90
GX90S-4-15/75WRZ (or WWZ)	24 VDC	15 or 75	130 mA	490 mA	680 mA	90
GX90S-4-110WR (or WW)	24 VDC	110	220 mA	148 mA	240 mA	90

NOTES: *INRUSH CURRENT: for less than 0.2 micro seconds. ALL 12 VDC MODELS operate from 10-16 VDC; ALL 24 VDC MODELS operate from 21-30 VDC -20%/+10%. OPERATING TEMPERATURE: 32°F to 120°F (0°C to 49°C).

WHEN PLACING AN ORDER: The following letters are used at the end of the model number: "W" (WALL mount), "C" (CEILING mount, 15/75 models only); either "R" at end (RED faceplate), or "W" at end (OFF-WHITE faceplate); "Z" (Z-Series synchronized strobe, 15/75 models only) last on applicable models. **STROBES ARE WALL-MOUNT ONLY, EXCEPT WHERE NOTED WITH "C" IN THE MODEL NUMBER.**