Gentex GEC24-15/75PWW

Gentex Horn Strobe User Manual

MODEL: GEC24-15/75PWW

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1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of the Gentex 24VDC Plain White Horn Strobe, model GEC24-15/75PWW. This device is designed to provide audible and visual notification in fire alarm and emergency signaling systems. It features a 15/75 candela strobe and an integrated horn, operating on a 24VDC power supply. Please read this manual thoroughly before installation and use to ensure safe and effective operation.

2. Setup and Installation

Proper installation is crucial for the reliable operation of the horn strobe. It must be installed by qualified personnel in accordance with all local and national electrical codes, and the instructions provided herein.

2.1 Unpacking and Inspection

- Carefully remove the horn strobe from its packaging.
- Inspect the unit for any signs of physical damage. Do not install damaged units.
- Verify that all components are present as per the packing list.

2.2 Mounting Location

Select a mounting location that is suitable for the device's intended purpose, ensuring clear visibility of the strobe and unobstructed sound propagation from the horn. The unit is designed for wall mounting.

2.3 Wiring Instructions

WARNING: Disconnect all power to the circuit before wiring to prevent electrical shock or equipment damage.

- Ensure the power supply is a regulated 24VDC source, compatible with fire alarm signaling devices.
- Connect the wiring from the Fire Alarm Control Panel (FACP) to the terminal block on the back of the horn strobe unit. Observe proper polarity.

- Refer to the wiring diagram provided with the product packaging for specific terminal assignments.
- Ensure all connections are secure and properly insulated.

This image displays the front view of the Gentex Horn Strobe unit. It features a white casing with a circular amber strobe lens at the bottom and an opening for the horn component at the top.

2.4 Mounting the Unit

- Secure the mounting plate (if separate) to the wall or electrical box using appropriate screws.
- Attach the horn strobe unit to the mounting plate, ensuring it clicks securely into place.
- Verify that the unit is firmly mounted and cannot be easily dislodged.

3. Operating Instructions

The Gentex Horn Strobe is an automatic notification appliance designed to activate upon receiving a signal from a compatible Fire Alarm Control Panel (FACP).

3.1 Normal Operation

Under normal conditions, the horn strobe remains in a standby state, drawing minimal current from the FACP.

3.2 Activation

- When the FACP detects an alarm condition (e.g., smoke, heat, manual pull station activation), it will send a signal to the notification appliance circuit.
- Upon receiving the activation signal, the horn strobe will simultaneously emit a loud audible alarm (horn) and a bright visual flash (strobe) at its rated candela setting (15/75 CD).
- The horn and strobe will continue to operate until the alarm condition is cleared and the FACP is reset.

4. Maintenance

Regular maintenance ensures the continued reliability and performance of your Gentex Horn Strobe.

4.1 Cleaning

- Periodically clean the exterior of the unit, especially the strobe lens, using a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the plastic components.
- Ensure no moisture enters the internal components.

4.2 Testing and Inspection

- Regularly test the horn strobe in conjunction with the entire fire alarm system as per local codes and manufacturer recommendations (typically annually).
- During testing, verify that both the horn sounds clearly and the strobe flashes brightly.
- Inspect the unit for any visible damage, loose connections, or signs of wear.
- Any issues identified during inspection or testing should be addressed immediately by a qualified technician.

5. Troubleshooting

If your Gentex Horn Strobe is not functioning as expected, consider the following common issues. For complex problems, always contact a qualified fire alarm technician.

5.1 No Horn Sound or Strobe Flash

- **Check Power:** Ensure the unit is receiving the correct 24VDC power from the FACP.
- **Check Wiring:** Verify all wiring connections are secure and correct, paying attention to polarity. Loose or incorrect wiring is a common cause.
- **FACP Status:** Confirm that the Fire Alarm Control Panel is in an alarm state and is sending a signal to the notification circuit. Check for FACP faults or troubles.
- **Circuit Integrity:** There might be an open circuit or short circuit in the notification appliance circuit. This requires FACP troubleshooting.

5.2 Weak Horn Sound or Dim Strobe Flash

- **Voltage Drop:** Insufficient voltage at the device due to long wire runs or undersized wiring. Consult a technician to measure voltage at the device.
- **Power Supply Issue:** The FACP's power supply might be overloaded or failing.
- **Unit Damage:** The unit itself may be faulty. If other troubleshooting steps fail, the unit may need replacement.

Important: Do not attempt to repair internal components. Refer all servicing to qualified fire alarm professionals.

6. Specifications

Feature	Detail

Feature	Detail
Model Number	GEC24-15/75PWW
Brand	Gentex
Type	Horn Strobe
Voltage	24VDC
Candela Rating	15/75 CD
Color	Plain White
Mounting	Wall Mount
Item Weight	1.05 pounds
ASIN	B00IPQZ8CG
Date First Available	February 28, 2014

7. Warranty and Support

For specific warranty information, please refer to the documentation included with your product or visit the official Gentex website. For technical support, service, or replacement parts, please contact Gentex customer service or your authorized Gentex distributor.
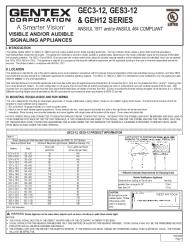
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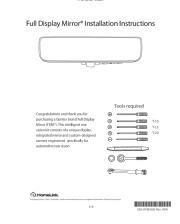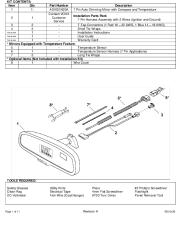
Website: www.gentex.com

(Please note: Contact information may vary by region. Refer to your product's packaging or Gentex's official website for the most current support details.)

Related Documents - **GEC24-15/75PWW**

[Gentex GEC3-12, GES3-12, GEH12 Audible and Visible Signaling Appliances Manual](#)
User manual for Gentex GEC3-12, GES3-12, and GEH12 series audible and visible signaling appliances. Covers installation, wiring, operation, troubleshooting, and warranty for fire alarm systems.

[Gentex 7139CS & 7139LS Smoke Alarms: Installation and User Manual](#)
Comprehensive guide for installing and operating Gentex 7139CS and 7139LS photoelectric smoke alarms. Includes safety information, wiring, mounting, maintenance, and troubleshooting for commercial and residential use.

[Gentex 8000 Series Photoelectric Smoke Detector Installation and Owner's Manual](#)
Installation instructions and owner's information for Gentex 8000 Series Photoelectric Type Open Area System Smoke Detectors. Covers models 8240, 8243, 8100, 8103, specifications, operation, placement guidelines per NFPA 72, installation, maintenance, and warranty.

[Gentex Full Display Mirror Installation, Operation, and Warranty Guide](#)
Comprehensive guide for installing, operating, and troubleshooting the Gentex Full Display Mirror (FDM). Includes detailed steps, feature explanations, and a 36-month limited warranty from Voxx Electronics Corporation.

[Gentex Auto-Dimming Mirror Installation Guide with Compass and Temperature](#)
Comprehensive installation instructions for the Gentex Auto-Dimming Mirror with Compass and Temperature (Model ADVGEN20A) by VOXX Corporation. This guide covers kit contents, tools required, detailed step-by-step installation, wiring, testing, compass adjustment, temperature features, and troubleshooting.

[Gentex 8000/8003 Series Photoelectric Smoke Detector Specifications and Applications](#)
Detailed information on the Gentex 8000/8003 Series photoelectric smoke detectors, including applications, standard features, product listings, compliance, electrical specifications, and wiring diagrams. Suitable for commercial, industrial, residential, and institutional use.

Documents - Gentex – GEC24-15/75PWW
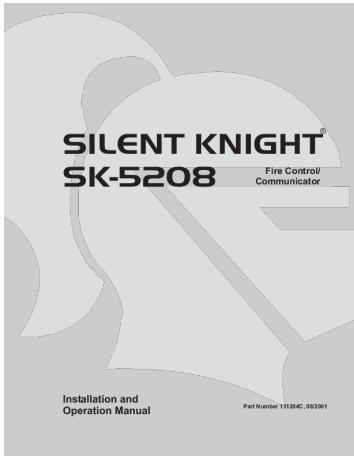
[pdf] User Manual Accessories

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