

Simplex 4906-9127

Simplex 4906-9127 A/V Multi-Candela Non-Addressable Horn Strobe Wall Mount User Manual

Model: 4906-9127 | Brand: Simplex

INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the Simplex 4906-9127 A/V Multi-Candela Non-Addressable Horn Strobe Wall Mount. This device is designed to provide audible and visual notification in fire alarm systems, ensuring safety and compliance with relevant standards. Please read these instructions thoroughly before proceeding with installation or operation.

SETUP AND INSTALLATION

The Simplex 4906-9127 is a wall-mount device. Proper installation is crucial for its effective operation and compliance with fire safety regulations. Refer to local and national electrical codes, as well as NFPA 72, for specific requirements.

Mounting

- Select Location:** Choose a wall location that provides optimal visibility for the strobe and audibility for the horn, free from obstructions. Ensure the mounting surface is flat and secure.
- Prepare Wiring:** Run the necessary wiring (regulated 24 DC) to the chosen mounting location. Ensure power is disconnected before beginning any wiring.
- Secure Mounting Plate:** Attach the device's mounting plate securely to the wall using appropriate fasteners.
- Connect Wiring:** Connect the field wiring to the device terminals as per the wiring diagram provided in the installation instructions (refer to document 579-548 REV. H). Pay close attention to polarity.
- Attach Device:** Mount the horn strobe assembly onto the secured mounting plate.

Wiring and Power Requirements

This device operates on a regulated 24 DC voltage. The maximum DC operating current varies based on the candela setting:

- 75mA @ 15cd
- 116mA @ 30cd
- 221mA @ 75cd
- 285mA @ 110cd

Ensure the power supply can adequately support the total current draw of all connected devices at their selected candela settings.

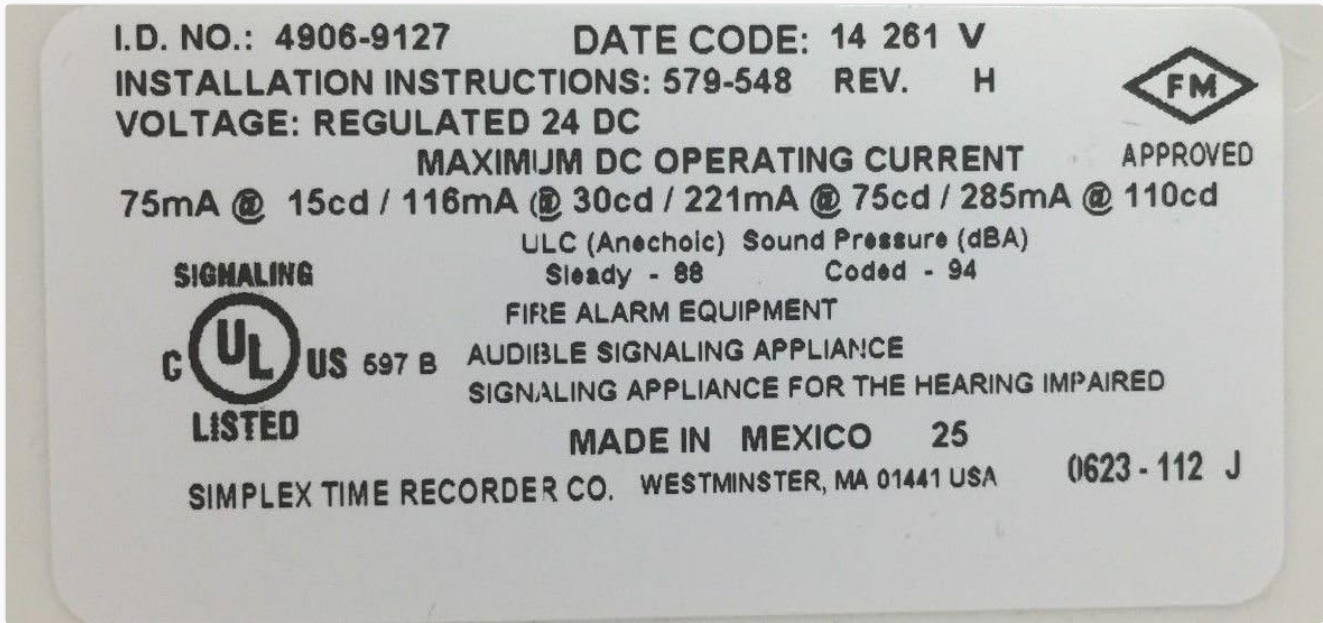


Figure 1: Front view of the Simplex 4906-9127 A/V Multi-Candela Horn Strobe.



Figure 2: Side view of the Simplex 4906-9127 A/V Multi-Candela Horn Strobe.

Figure 3: Product label detailing technical specifications and certifications for the Simplex 4906-9127. Key information includes ID No. 4906-9127, Installation Instructions 579-548 REV. H, Regulated 24 DC Voltage, and Maximum DC Operating Current values for 15cd, 30cd, 75cd, and 110cd settings. ULC (Anechoic) Sound Pressure levels are 88 dBA (Steady) and 94 dBA (Coded). The device is UL Listed (US 697 B) and FM Approved, manufactured in Mexico.

Figure 4: Simplex 4906-9127 units in their original packaging. Each box label confirms the Product ID (PID) as 4906-9127 and Part No. 0743254, indicating these are A/V Multi-Candela Non-Addressable devices.

OPERATING INSTRUCTIONS

The Simplex 4906-9127 operates as an audible and visual notification appliance within a fire alarm system. It is designed to activate upon receiving a signal from a compatible fire alarm control panel.

Functionality

- **Horn:** Produces a loud audible signal to alert occupants. The sound pressure levels are 88 dBA for steady tone and 94 dBA for coded tone (ULC Anechoic).
- **Strobe:** Emits bright, flashing light to provide visual notification, particularly important for individuals with hearing impairments or in noisy environments. The multi-candela settings allow for adjustment of light output.

Upon activation, both the horn and strobe will operate simultaneously to provide comprehensive notification.

MAINTENANCE

Regular maintenance ensures the continued reliability and effectiveness of your Simplex 4906-9127 horn strobe. All maintenance should be performed by qualified personnel.

Routine Inspection

- **Visual Check:** Periodically inspect the device for any physical damage, discoloration, or obstructions to the horn grille or strobe lens.
- **Functionality Test:** Conduct regular functional tests as required by local codes and NFPA 72. This typically involves activating the fire alarm system to ensure the horn sounds and the strobe flashes.

Cleaning

If dust or dirt accumulates on the device, gently wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or the strobe lens.

TROUBLESHOOTING

If your Simplex 4906-9127 horn strobe is not functioning as expected, consider the following common issues. For complex problems, always contact a qualified fire alarm technician.

Common Issues

- **No Horn Sound/Strobe Flash:**
 - Check power supply: Ensure the device is receiving the correct regulated 24 DC voltage.
 - Verify wiring: Confirm all connections are secure and correctly polarized.
 - Inspect for damage: Look for any visible damage to the device or wiring.
- **Weak Horn Sound/Strobe Flash:**
 - Check candela setting: Ensure the device is set to the appropriate candela output for its location.
 - Clean lens/grille: Remove any dust or obstructions that might impede sound or light output.

- **False Alarms:**

- This typically indicates an issue with the fire alarm control panel or initiating devices, not the notification appliance itself. Consult your fire alarm system documentation.

If troubleshooting steps do not resolve the issue, contact a certified fire alarm service provider for assistance.

SPECIFICATIONS

Feature	Specification
Model Number	4906-9127
Type	A/V Multi-Candela Non-Addressable Horn Strobe
Mounting	Wall Mount
Color	Red
Voltage	Regulated 24 DC
Max DC Operating Current (15cd)	75mA
Max DC Operating Current (30cd)	116mA
Max DC Operating Current (75cd)	221mA
Max DC Operating Current (110cd)	285mA
Sound Pressure (Steady)	88 dBA (ULC Anechoic)
Sound Pressure (Coded)	94 dBA (ULC Anechoic)
Material	Polyacrylate
Dimensions (L x W)	5"L x 4.5"W
Certifications	UL Listed (US 697 B), FM Approved
Manufacturer	SIMPLEX

WARRANTY AND SUPPORT

The Simplex 4906-9127 A/V Multi-Candela Non-Addressable Horn Strobe comes with a **12-month warranty** from the date of purchase. Additionally, a **30-day return policy** is available if you are not satisfied with the product. For any questions regarding our products or your orders, a dedicated customer service team is available to assist you. Please refer to your purchase documentation for specific contact details or visit the official Simplex website for support resources.