Simplex 2098-9808

Simplex 2098-9808 Remote LED Alarm Indicator User Manual

Information   Setup   Operation   Introduction   Safety   Maintenance   Troubleshooting   Specifications   Warranty & Support

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Simplex 2098-9808 Remote LED Alarm Indicator. This device is designed to provide a visual alarm indication for fire safety systems, typically used in conjunction with duct detection systems or other fire alarm control panels. It features a 24V LED indicator and is intended for wall-mounted applications.

Please read this manual thoroughly before installation and operation to ensure proper functionality and safety.

2. SAFETY INFORMATION

WARNING: Installation and servicing must be performed by qualified personnel only. Disconnect all power before installing or servicing this device.

- Always follow local and national electrical codes and regulations.
- Ensure the power source matches the device's voltage requirements (24V DC).
- Do not expose the device to moisture or extreme temperatures.
- Verify all connections are secure and correctly polarized before applying power.
- This device is a visual indicator only and does not replace primary alarm notification appliances.

3. SETUP AND INSTALLATION

The Simplex 2098-9808 Remote LED Alarm Indicator is designed for wall mounting. Ensure the mounting surface is stable and suitable for electrical installations.

3.1 Mounting the Indicator

1. Select a visible location for the remote indicator, typically near the associated fire alarm device (e.g., duct detector).
2. Secure the indicator plate to a standard electrical box or directly to the wall using appropriate fasteners. The unit

includes mounting screws.

Figure 1: Rear view of the Simplex 2098-9808 Remote LED Alarm Indicator. This image displays the back of the unit, revealing the red and black wiring terminals and the product label with model number 2098-9808, electrical ratings (0.0024 A at 24 VDC), and UL/cUL listings for Fire Alarm Equipment.

3.2 Wiring Connections

The indicator requires a 24V DC power source. Connect the wiring as follows:

- Connect the **red wire** to the positive (+) 24V DC output from the fire alarm control panel or associated device.
- Connect the **black wire** to the negative (-) 24V DC output (common ground).
- Ensure all connections are tight and insulated to prevent short circuits.

Refer to the wiring diagram of your fire alarm control panel or duct detector for specific connection points.

4. OPERATION

The Simplex 2098-9808 Remote LED Alarm Indicator operates automatically in conjunction with the connected fire alarm system.

- When the associated fire alarm device (e.g., smoke detector, duct detector) enters an alarm state, it will provide 24V DC power to the remote indicator.
- The LED on the remote indicator will illuminate, providing a clear visual indication of an alarm condition at its location.
- The LED will remain illuminated as long as the alarm condition persists and power is supplied.

This indicator is designed for continuous operation when an alarm is active. It does not have user-operable controls.

5. MAINTENANCE

The Simplex 2098-9808 Remote LED Alarm Indicator requires minimal maintenance. Regular inspections are recommended to ensure proper functionality.

- **Visual Inspection:** Periodically check the indicator for any physical damage, loose connections, or obstructions that might obscure the LED.
- **Functional Test:** As part of your regular fire alarm system testing, verify that the remote indicator illuminates when the associated alarm device is activated.
- **Cleaning:** If necessary, gently wipe the surface of the indicator with a soft, dry cloth. Do not use abrasive cleaners or solvents.

Do not attempt to open or repair the unit. Refer all servicing to qualified personnel.

6. TROUBLESHOOTING

If the Simplex 2098-9808 Remote LED Alarm Indicator does not function as expected, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
LED does not illuminate during an alarm.	- No power from the fire alarm control panel. - Incorrect wiring. - Damaged LED or internal component.	- Verify the fire alarm control panel is providing 24V DC output during an alarm. - Check wiring connections for correct polarity and secure contact. - If power and wiring are correct, the unit may be faulty. Contact qualified service personnel.

Problem	Possible Cause	Solution
LED is always on, even without an alarm.	- Constant 24V DC power supply. - Short circuit in wiring.	- Verify the fire alarm control panel output is only active during an alarm. - Inspect wiring for any short circuits.

For issues not covered here, or if troubleshooting steps do not resolve the problem, contact Simplex technical support or a qualified fire alarm technician.

7. SPECIFICATIONS

Feature	Detail
Model Number	2098-9808
Brand	Simplex
Power Source	Direct wired electric (24V DC)
Current Draw	0.0024 A at 24 VDC
Alarm Type	Visual (LED)
Sensor Type	Photoelectric (*Note: This specification refers to the type of detector the indicator typically pairs with, not the indicator itself. The indicator is a visual output device.*)
Material	Metal
Color	Silver
Dimensions	Approximately 4 x 2 x 2 inches (10.16 x 5.08 x 5.08 cm)
Item Weight	Approximately 2.46 ounces (70 grams)
UPC	643485652816

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact Simplex directly. Specific warranty terms may vary by region and distributor.
For technical support or service inquiries, please contact your authorized Simplex dealer or visit the official Simplex website for contact information.