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Simplex 4098-9792

User Manual

SIMPLEXGRINNELL 4098-9792 ADDRESSABLE, SSD SENSOR BASE

Model: 4098-9792 | Brand: Simplex

PRODUCT OVERVIEW

The Simplex 4098-9792 is an addressable SSD (Smoke Sensor Detector) sensor base designed for use with Simplex Intelligent Control Panels. This flanged, 4.875-inch snap-in base provides the necessary electrical and mechanical interface for compatible smoke sensors, ensuring reliable communication within a fire alarm system. Its white finish and robust construction are suitable for various indoor installations.



This image displays the Simplex 4098-9792 SSD Sensor Base, a white, circular unit designed for mounting addressable sensors. The internal view reveals the various wiring terminals, including a black DIP switch block for address configuration, and mounting screw holes. The flanged design is visible around the perimeter, facilitating secure installation.

Key Features:

- Addressable SSD Sensor Base
- Snap-in design for easy sensor installation
- Flanged for secure mounting
- Compatible with Simplex Intelligent Control Panels
- Durable white finish
- 4.875 inches in diameter

SPECIFICATIONS

Attribute	Value
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Brand	Simplex
Model	4098-9792
Style	Flanged
Color	WHITE
Alarm Type	FIRE (when connected to compatible sensor)
Diameter	4.875 Inches
Compatibility	Simplex Intelligent Control Panel

SETUP AND INSTALLATION

1. Pre-Installation Checks:

- Ensure power to the control panel is disconnected before installation.
- Verify that the installation location complies with local fire codes and regulations.
- Confirm that the sensor base is compatible with the intended Simplex Intelligent Control Panel and sensor.

2. Mounting the Base:

1. Secure the 4098-9792 sensor base to a standard electrical box or mounting bracket using appropriate screws. The flanged design allows for stable attachment.
2. Ensure the base is firmly attached and level.

3. Wiring:

1. Route the fire alarm circuit wiring through the opening in the base.
2. Connect the circuit wires to the designated terminals on the sensor base as per the system wiring diagram provided by Simplex. Pay close attention to polarity.
3. Ensure all connections are secure and properly insulated.

4. Address Configuration:

1. Set the unique address for the sensor base using the integrated DIP switches. Refer to the Simplex Intelligent Control Panel documentation for specific addressing procedures and available addresses.
2. Each sensor base in the system must have a unique address.

5. Sensor Installation:

1. Align the compatible Simplex SSD sensor with the snap-in mechanism of the base.
2. Gently push and twist the sensor clockwise until it clicks securely into place.

OPERATION

Once installed and connected to a Simplex Intelligent Control Panel, the 4098-9792 sensor base facilitates communication between the attached sensor and the control panel. The base provides power to the sensor and transmits alarm, trouble, and supervisory signals back to the panel based on the sensor's readings. The addressable nature of the base allows the control panel to identify the exact location of any activated sensor.

- **Normal Operation:** The sensor, via the base, continuously monitors its environment. The control panel polls the base for status updates.

- **Alarm Condition:** If the attached sensor detects a fire condition (e.g., smoke), it signals the base, which then transmits an alarm signal to the control panel. The control panel will then initiate appropriate alarm procedures.
- **Trouble Condition:** If a fault or malfunction occurs with the sensor or its connection to the base, a trouble signal is sent to the control panel, indicating a need for inspection or service.

MAINTENANCE

Regular maintenance is crucial for the reliable operation of your fire alarm system components, including the 4098-9792 sensor base and its attached sensor.

Recommended Maintenance Schedule:

- **Monthly:** Visually inspect the sensor and base for any signs of damage, dust accumulation, or obstructions.
- **Annually:** Conduct functional tests of the sensor and base in accordance with local fire codes and manufacturer guidelines. This typically involves activating the sensor to ensure it properly communicates an alarm to the control panel.
- **As Needed:** Clean the sensor and base if dust or debris is visible. Use a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.

For detailed maintenance procedures for the attached sensor, refer to the specific sensor's user manual.

TROUBLESHOOTING

This section provides guidance for common issues that may arise with the 4098-9792 sensor base. For complex issues, contact a qualified fire alarm technician.

Problem	Possible Cause	Solution
Sensor not communicating with panel	Incorrect wiring; Incorrect address setting; Faulty sensor; Loose connection	Check wiring for proper polarity and secure connections. Verify DIP switch address setting matches panel configuration. Test sensor on another base or replace. Ensure sensor is properly seated in the base.
Trouble signal from base	Sensor fault; Wiring issue; Environmental factors (e.e., excessive dust)	Inspect sensor for damage or contamination. Check wiring. Clean sensor and base. If issue persists, replace sensor or consult technician.
Base appears loose after installation	Improper mounting	Re-secure the base to the electrical box or mounting bracket, ensuring all screws are tightened.

WARRANTY AND SUPPORT





For information regarding the warranty of your Simplex 4098-9792 SSD Sensor Base, please refer to the warranty documentation provided at the time of purchase or contact Simplex customer support directly. Warranty terms typically cover manufacturing defects under normal use conditions.

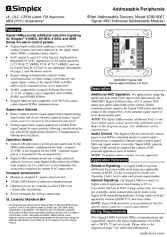
For technical support, service, or to report issues not covered in this manual, please contact your authorized Simplex distributor or a certified fire alarm technician. Providing your product model number (4098-9792) and a detailed description of the issue will help expedite support.

Contact Information:

Please refer to the official Simplex website or your purchase documentation for the most current contact details for customer service and technical support.

Related Documents - 4098-9792

	<p>Simplex TrueAlarm Analog Sensors: Photoelectric and Heat Datasheet</p> <p>Comprehensive datasheet for Simplex TrueAlarm Analog Sensors, detailing photoelectric and heat models, standard bases, and accessories. Includes features, intelligent data evaluation, sensor specifications, mounting references, and product selection charts for fire alarm systems.</p>
	<p>Simplex 4098-9019 IDNet Addressable Beam Detector Wiring and FACP Programming Guide</p> <p>Comprehensive guide for wiring and programming the Simplex 4098-9019 IDNet Addressable Beam Detector system with Simplex Fire Alarm Control Panels (FACPs). Covers compatibility, electrical specifications, addressing, and panel operations.</p>
	<p>Simplex 4007ES Fire Detection and Control Unit Datasheet</p> <p>Detailed datasheet for the Simplex 4007ES Fire Detection and Control Unit, covering its MX Digital Addressable Initiation and Addressable Notification capabilities, features, specifications, and installation details.</p>
	<p>Simplex 4098 Detectors, Sensors, and Bases Application Manual</p> <p>This application manual provides comprehensive information on the proper use and installation of Simplex 4098 series detectors, sensors, and bases within fire alarm systems. It covers principles of operation, placement guidelines, compatibility, testing procedures, and troubleshooting for these critical fire safety components.</p>
	<p>Simplex 4004 Fire Alarm System Installation and Operation Manual</p> <p>This manual provides comprehensive installation and operation instructions for the Simplex 4004 Fire Alarm Control Panel (FACP). It covers system overview, requirements, installation procedures, operating instructions, glossary of terms, and battery selection. The 4004 FACP is a general alarm, battery-backed, electrically supervised system designed for fire detection and notification.</p>



[Simplex 4090-9007 IDNet Signal IAM: Addressable Module for Fire Alarm Systems](#)

Detailed technical specifications and features for the Simplex 4090-9007 IDNet Signal Individual Addressable Module (IAM), designed for enhanced selective signaling and audio control in Simplex 4100ES, 4010ES, 4100U, and 4008 Series fire alarm control panels. Includes wiring, operation, and mounting information.