

## SIMPLEX 4100-9610

# Simplex 4100-9610 Remote Annunciator User Manual

Model: 4100-9610

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, operation, and maintenance of the Simplex 4100-9610 Remote Annunciator. The 4100-9610 is designed to provide remote indication and control capabilities for compatible Simplex fire alarm control panels. Please read this manual thoroughly before attempting any installation or operation.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury and damage to the equipment:

- Installation and servicing must be performed by qualified personnel only.
- Disconnect all power sources before installing or servicing the annunciator.
- Adhere to all local and national electrical codes and regulations.
- Do not operate the annunciator if it appears damaged.
- Ensure proper grounding to prevent electrical shock.
- Keep the annunciator away from moisture and extreme temperatures.

This device is part of a fire safety system. Proper functioning is critical for life safety. Regular testing and maintenance are required.

## 3. PACKAGE CONTENTS

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Upon opening the package, verify that all components are present and undamaged. The standard package for the Simplex 4100-9610 Remote Annunciator typically includes:

- Simplex 4100-9610 Remote Annunciator Unit
- Mounting Hardware (screws, anchors, etc. - may vary)
- Installation Guide / Quick Start Guide (this manual provides detailed instructions)



Figure 3.1: Simplex 4100-9610 Remote Annunciator as typically packaged. The image shows the annunciator unit, which consists of a metal enclosure housing circuit boards and connectors, secured within cardboard protective corners and plastic strapping.

If any items are missing or damaged, contact your supplier immediately.

## 4. SETUP AND INSTALLATION

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The 4100-9610 Remote Annunciator requires careful installation to ensure proper operation and compliance with safety standards. Refer to the specific wiring diagrams provided with your fire alarm control panel for detailed connection instructions.

### 4.1 Mounting

1. Choose a suitable location for the annunciator, typically near an entrance or a manned station, ensuring visibility and accessibility.

2. Ensure the mounting surface is flat and capable of supporting the annunciator's weight.
3. Mark the mounting holes on the wall using the annunciator's enclosure as a template.
4. Drill pilot holes and install appropriate wall anchors if necessary.
5. Secure the annunciator to the wall using the provided mounting hardware.

## 4.2 Wiring

All wiring must comply with NFPA 70 (National Electrical Code) and NFPA 72 (National Fire Alarm and Signaling Code), as well as local codes.

- **Power Connection:** Connect the annunciator to the designated power source from the fire alarm control panel. Ensure correct polarity. The annunciator is battery powered, likely drawing power from the main panel's battery backup system.
- **Communication Bus:** Connect the annunciator to the fire alarm control panel's communication bus (e.g., IDNet, MAPNET II) using shielded twisted-pair cable as specified by Simplex.
- **Grounding:** Ensure the annunciator enclosure is properly grounded to the building's protective earth ground.

**Note:** Refer to the specific installation instructions for your Simplex Fire Alarm Control Panel for detailed wiring diagrams and compatibility information.

## 5. OPERATING INSTRUCTIONS

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The Simplex 4100-9610 Remote Annunciator provides visual and audible indications of system status and allows for basic control functions. Specific functions may vary based on the configuration of the connected fire alarm control panel.

### 5.1 Status Indicators

The annunciator typically features various LED indicators to display system status:

- **Alarm:** Illuminates when a fire alarm condition is detected.
- **Trouble:** Illuminates when a system fault or trouble condition occurs.
- **Supervisory:** Illuminates for supervisory conditions (e.g., sprinkler valve tamper).
- **Power:** Indicates that primary power is supplied to the system.

### 5.2 Control Functions

Common control buttons on a remote annunciator may include:

- **Acknowledge:** Silences the annunciator's local audible signal and acknowledges new events at the control panel.
- **Silence:** Silences audible notification appliances (horns, strobes) throughout the system.
- **Reset:** Resets the fire alarm system after an alarm or trouble condition has been cleared.
- **Lamp Test:** Illuminates all LEDs to verify their functionality.

**Important:** Always follow your facility's emergency procedures when responding to alarm conditions.

## 6. MAINTENANCE

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Regular maintenance ensures the continued reliable operation of your Simplex 4100-9610 Remote Annunciator and the overall fire alarm system.

- **Visual Inspection:** Periodically inspect the annunciator for any signs of physical damage, loose connections, or excessive dust accumulation.

- **Cleaning:** Clean the exterior of the annunciator with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Functional Testing:** Perform regular functional tests as part of your overall fire alarm system testing schedule, typically monthly or annually, as required by local codes and NFPA 72. This includes verifying LED illumination and button functionality.
- **Professional Servicing:** All internal servicing and complex troubleshooting should be performed by certified fire alarm technicians.

## 7. TROUBLESHOOTING

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This section provides basic troubleshooting steps for common issues. For more complex problems, contact a qualified service technician.

Problem	Possible Cause	Solution
Annunciator is not powered on.	No power from control panel; loose wiring; internal fault.	Verify power supply from the control panel. Check wiring connections. If problem persists, contact service.
LEDs not illuminating during lamp test.	Faulty LEDs; internal circuit issue.	Contact a qualified service technician for diagnosis and repair.
Audible alarm not silencing.	Acknowledge button not pressed; new alarm condition; system fault.	Press the Acknowledge button. Check for new alarm events. If problem persists, contact service.
Annunciator displays "Trouble" light.	System fault detected by the main control panel.	Check the main fire alarm control panel for specific trouble codes. Contact service if unable to resolve.

## 8. SPECIFICATIONS

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The following specifications apply to the Simplex 4100-9610 Remote Annunciator:

- **Model:** 4100-9610
- **Brand:** SIMPLEX
- **Part Number:** S41009610
- **UPC:** 742779297952
- **Power Source:** Battery Powered (typically from main FACP)
- **Alarm Type:** Audible (local annunciator sounder)
- **Style:** Safety
- **Number of Items:** 1 (per unit)
- **Manufacturer:** SIMPLEX

*Note: Specifications are subject to change without notice. Refer to the latest product data sheets for the most current information.*

## 9. WARRANTY INFORMATION

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Simplex products are typically covered by a limited warranty against defects in materials and workmanship. The specific terms and duration of the warranty may vary based on the region and purchase agreement. Please retain

your proof of purchase. For detailed warranty information, contact your authorized Simplex distributor or refer to the warranty statement provided at the time of purchase.

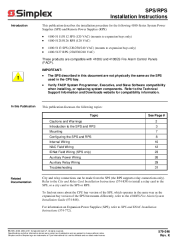
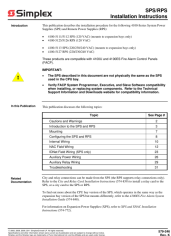
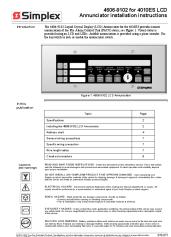
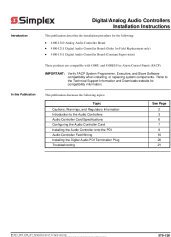
This warranty does not cover damage resulting from improper installation, misuse, unauthorized modification, or acts of nature.






## 10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond the scope of this manual, or to inquire about replacement parts, please contact your authorized Simplex service provider or the vendor from whom the product was purchased. Ensure you have the model number (4100-9610) and serial number (if applicable) of your annunciator ready when contacting support.

For general inquiries about Simplex products, visit the official Simplex website or contact their customer service department.

### Related Documents - 4100-9610

	<p><a href="#">Simplex SPS/RPS Installation Instructions</a></p> <p>This document provides detailed installation instructions for Simplex SPS (System Power Supplies) and RPS (Remote Power Supplies), covering models 4100-5111, 4100-5112, 4100-5125, 4100-5126, 4100-5113, and 4100-5127. It includes information on wiring, mounting, configuration, and troubleshooting for these fire alarm control panel components.</p>
	<p><a href="#">Simplex SPS/RPS Installation Instructions</a></p> <p>Installation instructions for Simplex 4100-Series System Power Supplies (SPS) and Remote Power Supplies (RPS), detailing setup, wiring, configuration, and troubleshooting for fire alarm systems.</p>
	<p><a href="#">Simplex 4606-9102 LCD Annunciator Installation Instructions</a></p> <p>Comprehensive installation guide for the Simplex 4606-9102 LCD Annunciator, detailing specifications, wiring, mounting, and configuration for the 4010ES Fire Alarm Control Unit.</p>
	<p><a href="#">Simplex Digital/Analog Audio Controllers Installation Instructions</a></p> <p>Installation instructions for Simplex 4100-1210 Analog Audio Controller, 4100-1211 Digital Audio Controller, and 4100-1311 Digital Audio Controller. Covers specifications, configuration, wiring, and troubleshooting for fire alarm systems.</p>

<div data-bbox="116 98 165 114"></div> <div data-bbox="116 143 256 165">Simplex Catalog 2023</div> <div data-bbox="116 165 311 309"></div> <div data-bbox="116 338 197 353">The power behind your resilience</div> <div data-bbox="256 331 300 353"></div>	<div data-bbox="339 154 1038 185"><a href="#">Simplex Catalog 2023: Fire Alarm Control Units and Systems</a></div> <div data-bbox="339 197 1444 304">Explore the comprehensive Simplex Catalog 2023, featuring a wide range of advanced fire alarm control units, initiating devices, notification appliances, and network solutions from Johnson Controls.</div>
<div data-bbox="116 405 311 651"><div data-bbox="116 405 311 450"><div data-bbox="116 405 311 421">PDF</div><div data-bbox="116 421 311 436">PDF</div></div><div data-bbox="116 450 311 593"><div data-bbox="116 450 311 472">4100 Fire Indicator Panel</div><div data-bbox="116 472 311 495">Operator's Manual</div></div><div data-bbox="116 495 311 593"></div><div data-bbox="116 593 311 651"><div data-bbox="116 593 311 616">1000</div><div data-bbox="116 616 311 638">1000</div></div><div data-bbox="116 638 311 651"></div></div>	<div data-bbox="339 488 946 519"><a href="#">Simplex 4100 Fire Indicator Panel Operator's Manual</a></div> <div data-bbox="339 530 1466 678">This operator's manual provides comprehensive instructions for the Simplex 4100 Fire Indicator Panel (FIP), covering its operation, testing, maintenance, and system features. It is designed for users and technicians managing fire alarm systems, detailing how to respond to alarms, faults, and perform routine checks.</div>