

Simplex S4099-9006

Simplex 4099-9006 Double Action, Push Pull Down Fire Alarm Station

Model: S4099-9006

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1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Simplex 4099-9006 Double Action, Push Pull Down Fire Alarm Station. This device is designed to initiate a fire alarm signal when manually activated, contributing to the overall safety and security of a building's occupants.

The Simplex 4099-9006 is an IDNet addressable manual pull station with an integrated LED indicator, ensuring reliable communication within compatible fire alarm systems.

2. SAFETY INFORMATION

WARNING: Installation and servicing of this device must be performed by qualified personnel only, in accordance with all local and national electrical codes, and the National Fire Alarm and Signaling Code (NFPA 72).

- Always disconnect power to the fire alarm control panel before installing or servicing the pull station.
- Ensure proper grounding to prevent electrical shock.
- Do not paint over the pull station or obstruct its operation.
- Test the pull station regularly as part of a comprehensive fire alarm system testing schedule.
- This device is not intended for outdoor use unless specifically rated for such environments.

3. PRODUCT OVERVIEW

The Simplex 4099-9006 is a robust, red-colored manual fire alarm pull station featuring a double-action mechanism (push then pull). It includes an integrated LED indicator for status feedback.



Figure 3.1: Simplex 4099-9006 Double Action Fire Alarm Pull Station. This image displays the front of the red pull station with "FIRE ALARM" and "PUSH PULL DOWN" labels, alongside a detailed instruction sheet for installation and mounting, and a small bag of mounting hardware.

Key components include:

- **Activation Handle:** The "PUSH PULL DOWN" mechanism used to initiate an alarm.
- **LED Indicator:** Provides visual status of the device (e.g., normal, alarm, trouble).
- **Terminal Block:** For connecting to the fire alarm control panel's IDNet circuit.
- **Mounting Plate/Housing:** Secures the device to a standard electrical box or surface.

4. SETUP & INSTALLATION

The Simplex 4099-9006 pull station can be installed using either single-gang or two-part mounting methods, typically on a standard 4-inch square electrical box (not supplied).

4.1 Pre-Installation Checks

- Verify that the fire alarm control panel is powered off.
- Ensure the mounting location is clean, dry, and meets local code requirements for height and accessibility.

- Confirm all necessary tools and hardware are available (e.g., screwdriver, wire strippers, mounting screws).

4.2 Mounting Procedures

Refer to the installation diagrams provided with the product and shown in Figure 3.1 for visual guidance.

4.2.1 Single-Gang Mounting

1. Secure the pull station directly to a standard single-gang electrical box.
2. Ensure the device is flush with the wall surface.

4.2.2 Two-Part Mounting

1. Install the backbox or mounting plate first, typically a 4-inch square electrical box.
2. Mount the pull station assembly onto the installed backbox.
3. This method may be used for flush trim or surface mounting applications.

4.3 Wiring

The 4099-9006 is an IDNet addressable device. Connect the pull station to the IDNet circuit of the fire alarm control panel using appropriate gauge wiring, following the wiring diagram provided on the device or in its specific installation sheet. Ensure polarity is correct.

- Connect the incoming and outgoing IDNet circuit wires to the designated terminals.
- Ensure all connections are secure and free from shorts.

4.4 Post-Installation

- Once installed and wired, restore power to the fire alarm control panel.
- Verify the LED indicator on the pull station shows a normal operating status (typically a slow flash).
- Perform a functional test of the pull station as described in the "Operating Instructions" section.

5. OPERATING INSTRUCTIONS

The Simplex 4099-9006 features a double-action activation mechanism to prevent accidental alarms.

5.1 Activating the Alarm

1. **PUSH:** Firmly push the "PUSH" bar located at the top of the activation handle.
2. **PULL DOWN:** Once the "PUSH" bar is depressed, pull the handle "PULL DOWN" until it latches in the alarm position.
3. Upon activation, the pull station will send an alarm signal to the fire alarm control panel, and the integrated LED will illuminate steadily (or change to a rapid flash, depending on system programming) to indicate an alarm state.

5.2 Resetting the Pull Station

To reset the pull station after an alarm, a special key (not included with this specific model, as indicated by "No Key" in the product title, implying a different reset mechanism or system-level reset) or tool is typically required to return the handle to its normal, non-alarm position. For the 4099-9006, the reset mechanism is internal and does not require a key. Simply push the handle back into its original position. The fire alarm control panel must also be reset to clear the alarm condition from the system.

6. MAINTENANCE

Regular maintenance ensures the reliable operation of your Simplex 4099-9006 pull station. All maintenance should be performed by qualified personnel.

6.1 Routine Checks

- **Visual Inspection (Monthly):** Check for any physical damage, obstructions, or signs of tampering. Ensure the pull station is clean and clearly visible.
- **LED Status (Monthly):** Verify the LED indicator is showing a normal operating status (e.g., slow flash).

6.2 Functional Testing (Annually or as per local codes)

Functional testing should be conducted by a certified fire alarm technician.

1. Notify building occupants and the monitoring station before testing.
2. Activate the pull station as described in "Operating Instructions".
3. Verify that the fire alarm control panel receives the alarm signal and initiates appropriate responses (e.g., sounding alarms, notifying monitoring station).
4. Reset the pull station and the fire alarm control panel.
5. Confirm the pull station returns to a normal operating state.

6.3 Cleaning

Clean the exterior of the pull station with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the finish or internal components.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the Simplex 4099-9006 pull station. For complex issues, contact a qualified fire alarm technician.

Problem	Possible Cause	Solution
Pull Station does not activate alarm.	Incorrect activation procedure; wiring issue; device fault; control panel issue.	Ensure proper push-then-pull action. Check wiring connections. Verify control panel status. Contact technician if problem persists.
LED indicator is off or shows trouble.	No power; wiring fault; device fault; control panel trouble.	Check power to the control panel. Inspect wiring for breaks or shorts. Consult control panel manual for trouble codes. Contact technician.
False alarm.	Accidental activation; faulty device; wiring issue.	Reset the pull station and control panel. Inspect for physical damage or obstructions. If recurring, contact technician.
Pull station handle does not reset.	Internal mechanism issue; debris.	Ensure no debris is obstructing the mechanism. Gently attempt to push the handle back. If it remains stuck, the unit may need replacement.

8. SPECIFICATIONS

Feature	Detail
Model Number	S4099-9006

Feature	Detail
Product Type	Double Action Manual Fire Alarm Pull Station
Brand	Simplex
Manufacturer	SIMPLEX Grinnell
Color	Red
Activation Method	Push then Pull Down
Key Requirement for Reset	No Key Required (Internal Reset)
Connectivity	IDNet Addressable
Integrated Features	LED Indicator
Item Weight	0.5 Pounds (approx. 8 ounces)
Product Dimensions	6 x 6 x 4 inches (approximate)
UPC	643485653004
Date First Available	December 21, 2015



Figure 8.1: Product packaging for the Simplex 4099-9006, showing the brown cardboard box with product identification labels. The labels confirm PID 4099-9006 and Part No. 06501211.

9. WARRANTY & SUPPORT

9.1 Warranty Information

This Simplex product is typically covered by a manufacturer's warranty against defects in materials and workmanship. Specific warranty terms and duration may vary. Please refer to the original purchase documentation or contact Simplex customer service for detailed warranty information.

Note: The product listing mentions "12 months warranty" and "30 days return if not satisfied". This information is from a third-party seller and may not reflect the official manufacturer's warranty. Always verify with the manufacturer.


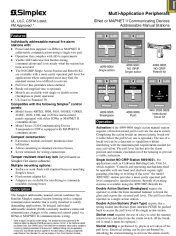


9.2 Technical Support

For technical assistance, installation guidance, or troubleshooting beyond the scope of this manual, please contact a certified fire alarm technician or the manufacturer directly.

Simplex Customer Support: Please visit the official SimplexGrinnell website or refer to your product packaging for contact details.

For general inquiries, you may also refer to the[Simplex brand page on Amazon](#).

Related Documents

	<p>Simplex IDNet/MAPNET II Addressable Manual Fire Alarm Stations - Product Data</p> <p>Detailed information on Simplex 4099 Series addressable manual fire alarm stations, compatible with IDNet and MAPNET II systems. Features, specifications, mounting options, and product selection for various models, including single action, double action (breakglass and push), and NO GRIP options. Compliant with ADA requirements and listed by UL, ULC, FM, and CSFM.</p>
	<p>Simplex Addressable Manual Stations: IDNet/MAPNET II Peripherals</p> <p>Explore Simplex addressable manual fire alarm stations, detailing their features, single/double action types, NO GRIP options, and compatibility with IDNet/MAPNET II systems. Includes mounting and specification information.</p>
	<p>Simplex 4010 Fire Alarm: Installation, Operation, and Programming Guide</p> <p>Comprehensive guide for the Simplex 4010 Fire Alarm system, covering installation, operation, and programming instructions. Includes system overview, wiring, configuration, diagnostics, and troubleshooting.</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>

