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Sloan SF-2150

Sloan SF-2150 Sensor Activated Touch-Free Faucet Instruction Manual

MODEL: SF-2150

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1. OVERVIEW

The Sloan SF-2150 Sensor Activated Touch-Free Faucet provides a hygienic and water-efficient solution for commercial restrooms. This deck-mounted faucet features an infrared sensor for touchless activation, promoting cleanliness and reducing water consumption. Its robust commercial-grade construction ensures durability and long-term performance.

Key Features:

- **Touch-Free Activation:** Reliable infrared sensor for hygienic operation.
- **Water-Saving Efficiency:** Delivers a low flow rate of 0.5 gallons per minute (GPM).
- **Adjustable Sensor Range:** Customize sensing distance to suit specific needs.
- **Commercial Grade Durability:** Constructed with robust materials for high-traffic environments.
- **Easy Installation & Maintenance:** Designed for straightforward setup and accessible servicing.
- **Filtered Solenoid:** Includes a serviceable strainer filter for clean water supply.
- **ADA Compliant:** Meets Americans with Disabilities Act requirements for accessibility.



Figure 1.1: Sloan SF-2150 Sensor Activated Touch-Free Faucet, Polished Chrome Finish.

Product Video

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This video provides a general overview of Sloan SF Faucets, highlighting their features and benefits in commercial settings.

2. SAFETY INFORMATION

Read all instructions carefully before installation and operation. Failure to follow these instructions may result in property damage, personal injury, or product malfunction.

- Always turn off the main water supply before beginning any installation or maintenance.
- Ensure all electrical connections (for battery power) are secure and correctly installed according to local codes.
- Do not use abrasive cleaners or harsh chemicals on the faucet finish, as this may cause damage.
- Keep batteries out of reach of children. Dispose of used batteries responsibly.
- If you are unsure about any part of the installation or maintenance process, consult a qualified

plumber or electrician.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Sloan SF-2150 Faucet Body (Polished Chrome)
- Control Box with Filtered Solenoid
- 36-inch Sensor Cable
- 24-inch Flex Hose
- Four (4) AA Batteries (included)
- Mounting Hardware (gasket, washer, mounting nut, mounting screw)
- Back-Check Tee (if applicable to your model)

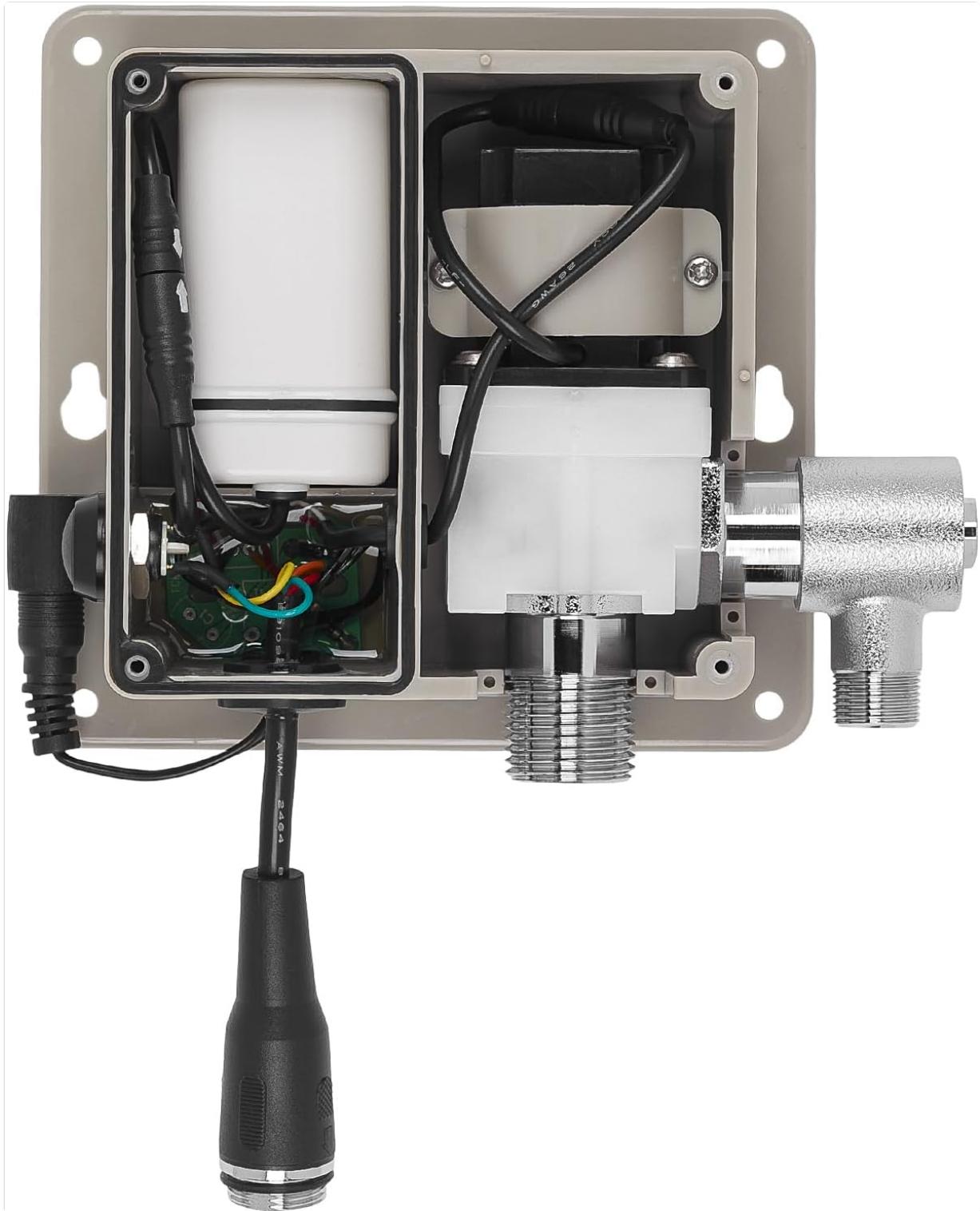


Figure 3.1: Internal view of the control box, showing wiring and solenoid valve.



Figure 3.2: Exterior of the control box, indicating model SF2150 and technical help contact.

4. INSTALLATION INSTRUCTIONS

This section outlines the steps for installing your Sloan SF-2150 faucet. Ensure the water supply is turned off before proceeding.

4.1. Prepare the Mounting Surface

1. Ensure the mounting surface (deck) is clean and free of debris.
2. Confirm the mounting hole is appropriately sized for the faucet body.

4.2. Install the Faucet Body

1. Place the faucet body through the mounting hole on the deck.
2. From underneath the deck, place the rubber gasket, metal washer, and mounting nut onto the faucet shank.
3. Secure the faucet body by tightening the mounting nut with the provided mounting screw. Do not overtighten.



Figure 4.1: Faucet body with mounting hardware for deck installation.

4.3. Connect Water Supply and Sensor Cable

1. Connect the 24-inch flex hose from the faucet body to the water supply line. Use appropriate plumbing tape or sealant as needed.
2. Connect the 36-inch sensor cable from the faucet body to the designated port on the control box.
3. Mount the control box in an accessible location under the sink, ensuring it is secure and protected from moisture.

4.4. Install Batteries

1. Open the battery compartment on the control box.
2. Insert the four (4) AA batteries, ensuring correct polarity.
3. Close the battery compartment securely.

4.5. Final Steps

1. Slowly turn on the main water supply and check for leaks.

2. Test the faucet operation by placing hands within the sensor range.

5. OPERATING INSTRUCTIONS

The Sloan SF-2150 faucet is designed for simple, touch-free operation.

5.1. Automatic Activation

The faucet activates automatically when hands are placed within the sensor's detection zone. Water will flow for a preset duration or until hands are removed from the sensor's range.



Figure 5.1: Side view of the faucet, highlighting the infrared sensor window.

5.2. Adjustable Infrared Sensor Range

The infrared sensor range can be adjusted to optimize performance for different sink depths and user preferences. Refer to the control box for specific instructions on adjusting the sensor range. Typically, this involves pressing a button or turning a dial on the control box to cycle through different sensitivity settings.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Sloan SF-2150 faucet.

6.1. Cleaning the Faucet

- Clean the polished chrome finish with a soft cloth and mild, non-abrasive soap and water.
- Avoid using abrasive cleaners, scouring pads, or harsh chemicals, as these can damage the finish and sensor.
- Periodically wipe the sensor window to ensure clear detection.





Figure 6.1: Front view of the faucet, showing the aerator and sensor area for cleaning.

6.2. Battery Replacement

When the batteries are low, the faucet may exhibit inconsistent operation or stop working. Replace all four AA batteries simultaneously with new alkaline batteries.

1. Turn off the water supply to the faucet.
2. Locate the control box under the sink.
3. Open the battery compartment.
4. Remove the old batteries and dispose of them properly.
5. Insert four new AA alkaline batteries, ensuring correct polarity.
6. Close the battery compartment securely.
7. Turn on the water supply and test the faucet.

6.3. Filtered Solenoid Maintenance

The control box contains a filtered solenoid valve with a serviceable strainer filter. If water flow is reduced or inconsistent, the filter may need cleaning.

1. Turn off the water supply to the faucet.
2. Carefully disconnect the water lines from the solenoid valve within the control box.
3. Remove the strainer filter.
4. Rinse the filter under running water to remove any debris. If heavily clogged, a soft brush may be used.
5. Reinsert the clean filter and reconnect the water lines, ensuring all connections are tight to prevent leaks.
6. Turn on the water supply and test the faucet.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your SF-2150 faucet.

Problem	Possible Cause	Solution
No water flow when sensor is activated.	<ul style="list-style-type: none"> Water supply is off. Low or dead batteries. Clogged solenoid filter. Sensor cable disconnected. 	<ul style="list-style-type: none"> Check main water supply valve. Replace batteries (Section 6.2). Clean solenoid filter (Section 6.3). Verify sensor cable connection to control box.
Water flows continuously.	<ul style="list-style-type: none"> Sensor obstructed or dirty. Sensor range too sensitive. Solenoid valve malfunction. 	<ul style="list-style-type: none"> Clean sensor window. Adjust sensor range (Section 5.2). Contact technical support if solenoid is suspected.
Inconsistent sensor activation.	<ul style="list-style-type: none"> Low batteries. Sensor window dirty. Ambient light interference. Sensor range needs adjustment. 	<ul style="list-style-type: none"> Replace batteries (Section 6.2). Clean sensor window. Ensure no direct light sources interfere with the sensor. Adjust sensor range (Section 5.2).
Reduced water flow.	<ul style="list-style-type: none"> Clogged aerator. Clogged solenoid filter. 	<ul style="list-style-type: none"> Remove and clean the aerator at the faucet spout. Clean solenoid filter (Section 6.3).

8. SPECIFICATIONS

Feature	Detail
Model	SF-2150
Brand	Sloan
Mounting Type	Deck Mount
Finish Type	Polished Chrome
Material	Brass
Maximum Flow Rate	0.5 Gallons Per Minute (GPM)
Power Source	4 AA Batteries (included)
Sensor Type	Infrared (Adjustable Range)
Hose Length	24 Inches (Flex Hose)

Feature	Detail
Sensor Cable Length	36 Inches
Product Dimensions	3.88"D x 1.5"W x 4.5"H
Item Weight	5 Pounds
Compliance	ADA Compliant

9. WARRANTY AND SUPPORT

9.1. Limited Warranty

The Sloan SF-2150 Sensor Activated Touch-Free Faucet is covered by a **1 Year Limited Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use and service. For full warranty details, please refer to the official Sloan warranty documentation or contact customer support.

9.2. Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Sloan Technical Support:

- **Phone:** 1-888-756-2614
- **Website:** www.sloan.com (for product information and additional resources)