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### Sloan SF2450-4

# Sloan SF-2450 Sensor Activated Touch-Free Faucet Instruction Manual

Model: SF2450-4



Image: Sloan SF-2450 Sensor Activated Touch-Free Faucet in polished chrome finish.

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Sloan SF-2450 Sensor Activated Touch-Free Faucet. Designed for commercial applications, this faucet offers hygienic, water-efficient performance with reliable infrared sensor technology.

### Key Features:

- **Touch-Free Activation:** Infrared sensor for hygienic operation.
- **Water-Saving Efficiency:** 0.5 Gallons Per Minute (GPM) flow rate.
- **Adjustable Sensor Range:** Customizable sensing distance.
- **Commercial Grade Durability:** Constructed with robust brass material.
- **Easy Installation & Maintenance:** Designed for straightforward setup and accessible servicing.
- **Filtered Solenoid:** Includes a serviceable strainer filter for clean water supply.

- **Extended Cabling:** 36-inch sensor cable and 24-inch flex hose for flexible installation.
- **Complete Package:** Includes four AA batteries and all necessary mounting hardware.
- **ADA Compliant:** Meets Americans with Disabilities Act requirements.

## 2. SETUP AND INSTALLATION

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Before beginning installation, ensure all necessary components are present and the water supply is turned off. This faucet is designed for deck-mounted, centerset installation requiring two holes.

### Components Included:

- Sloan SF-2450 Faucet Body (Polished Chrome)
- Control Box with Filtered Solenoid
- 36-inch Sensor Cable
- 24-inch Flex Hose
- Mounting Hardware
- Four AA Batteries

### Installation Steps:

1. **Prepare Mounting Surface:** Ensure the deck has two appropriate holes for centerset mounting.
2. **Mount Faucet Body:** Insert the faucet body into the deck hole. Secure it from underneath using the provided mounting hardware.
3. **Connect Sensor Cable:** Connect the 36-inch sensor cable from the faucet body to the control box.
4. **Install Control Box:** Mount the control box in an accessible location under the sink.
5. **Connect Water Supply:** Attach the 24-inch flex hose to the faucet's water inlet and connect it to the hot or cold water supply line. Ensure all connections are tight to prevent leaks.
6. **Install Batteries:** Open the battery compartment on the control box and insert the four AA batteries, observing correct polarity.
7. **Test Operation:** Turn on the water supply and test the faucet for proper function and leaks.



Image: Sloan SF-2450 Faucet body with visible mounting hardware for deck installation.



Image: Sloan SF-2450 Control Box with water connections and sensor cable port.

### 3. OPERATING INSTRUCTIONS

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The Sloan SF-2450 faucet operates using an infrared sensor to provide touch-free water delivery.

#### **Faucet Activation:**

- To activate water flow, place your hands within the sensor's detection range, typically located at the base of the faucet spout.

- The water will flow as long as your hands are detected.
- To stop water flow, remove your hands from the sensor's detection range. The water will cease after a brief delay.

### Adjusting Sensor Range:

The infrared sensor range can be adjusted to suit specific installation environments and user preferences. This adjustment is typically performed on the control box.



Image: Sloan SF-2450 Control Box showing the 'Press to Select Sensor Range' label and arrows for adjustment. Reference: 20V00001-A14-001-MO2212E0068-20230209.

- Locate the control box under the sink.
- Follow the instructions on the control box label (e.g., "PRESS TO SELECT SENSOR RANGE") to adjust the detection distance. This may involve pressing a button and observing indicator lights or sensor feedback.
- Test the new sensor range to ensure it meets requirements.

## 4. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Sloan SF-2450 faucet.

### Cleaning the Faucet:

- Clean the polished chrome finish with a soft cloth and mild, non-abrasive cleaner.
- Avoid harsh chemicals, abrasive pads, or polishes, as these can damage the finish and sensor lens.
- Ensure the sensor lens is kept clean and free from obstructions for proper operation.

### Solenoid Filter Maintenance:

The filtered solenoid valve contains a serviceable strainer filter that should be periodically inspected and cleaned to prevent debris from affecting water flow.



Image: Sloan SF-2450 Control Box with the cover removed, showing the internal solenoid and battery compartment.

- Turn off the water supply to the faucet.
- Disconnect the water line from the solenoid valve.
- Carefully remove the strainer filter from the solenoid.
- Rinse the filter under running water to remove any accumulated debris.
- Reinsert the clean filter and reconnect the water line.
- Turn on the water supply and check for leaks.

### Battery Replacement:

The faucet is powered by four AA batteries located in the control box. Replace batteries when the faucet's response becomes sluggish or stops functioning.

- Turn off the water supply to the faucet.
- Open the battery compartment on the control box.
- Remove the old batteries and dispose of them properly.
- Insert four new AA batteries, ensuring correct polarity.
- Close the battery compartment securely.
- Turn on the water supply and test the faucet.

## 5. TROUBLESHOOTING

Refer to the following table for common issues and their potential solutions.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No water flow when hands are detected.	Water supply off; low/dead batteries; clogged solenoid filter; sensor malfunction.	Ensure water supply is on; replace batteries; clean solenoid filter; contact support if issue persists.
Water flows continuously.	Sensor obstructed; sensor range too wide; solenoid valve stuck open.	Clear sensor area; adjust sensor range; contact support for solenoid inspection.
Sensor is unresponsive or erratic.	Dirty sensor lens; low batteries; ambient light interference; incorrect sensor range.	Clean sensor lens; replace batteries; check for strong light sources; adjust sensor range.
Low water pressure.	Clogged solenoid filter; aerator clogged.	Clean solenoid filter; clean or replace aerator.

## 6. SPECIFICATIONS

Feature	Detail
Brand	Sloan
Model Name	SF2450-4
Maximum Flow Rate	0.5 Gallons Per Minute
Mounting Type	Deck Mount
Finish Type	Polished
Material	Brass
Color	Chrome
Hole Count	2
Special Feature	Touchless
Installation Type	Centerset
Spout Height	5.13 Inches
Spout Reach	4.5 Inches
Item Weight	0.36 Pounds (faucet body), 5.8 ounces (total package)
Handle Material	Brass (N/A for touchless)
Hose Length	24 Inches
Sensor Cable Length	36 Inches
Batteries Required	Yes (4 AA batteries)

Feature	Detail
Product Dimensions	5"D x 2.13"W x 7"H

## 7. WARRANTY AND SUPPORT

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### Warranty Information:

For detailed warranty information regarding your Sloan SF-2450 faucet, please refer to the warranty documentation included with your product or visit the official Sloan website. Warranty terms and conditions may vary.

### Technical Support:

If you require technical assistance or have questions not covered in this manual, please contact Sloan Technical Support.

**Sloan Technical Support:** 1-888-756-2614

You can also visit the [Sloan Store on Amazon](#) for additional product information and resources.