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› HYTRONIC GOOSENECK SINK FAUCET WITH DUAL BEAM INFRARED SENSOR User Manual

Chicago Faucets 116.596.AB.1

HYTRONIC GOOSENECK SINK FAUCET WITH DUAL BEAM INFRARED SENSOR

Model: 116.596.AB.1

Brand: Chicago Faucets

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Chicago Faucets HyTronic Gooseneck Sink Faucet with Dual Beam Infrared Sensor, Model 116.596.AB.1. Please read this manual thoroughly before installation and use to ensure proper function and longevity of your product.



This image displays the chrome-finished HyTronic gooseneck sink faucet. The curved spout extends upwards from the base, which houses the black infrared sensor on the front and a small lever or adjustment screw on the side. This faucet is designed for touchless operation.

SAFETY INFORMATION

Always observe the following safety precautions:

- Ensure water supply is turned off before beginning any installation or maintenance.
- If you are unsure about any part of the installation process, consult a qualified plumber or electrician.
- Wear appropriate personal protective equipment (PPE) such as safety glasses and gloves during installation.
- Do not use abrasive cleaners or harsh chemicals on the faucet finish, as this may damage the chrome.
- Keep children away from the installation area.

SETUP AND INSTALLATION

The HyTronic Gooseneck Sink Faucet is designed for single-hole, deck-mount installation. Professional installation is recommended to ensure proper function and compliance with local plumbing codes.

Pre-Installation Checklist:

1. Verify all components are present as per the packing list (refer to product packaging for details).
2. Ensure the mounting surface is clean, flat, and free of obstructions.
3. Confirm water supply lines are accessible and can be shut off.

Installation Steps (General Overview):

Note: Detailed diagrams and specific instructions are typically included with the product packaging. This is a general guide.

- **Prepare the Sink:** Ensure the mounting hole on your sink or countertop is clean and appropriately sized for a single-hole faucet.
- **Mount the Faucet:** Secure the faucet body to the sink using the provided mounting hardware. Ensure it is stable and properly aligned.
- **Connect Water Supply:** Attach the 3/8" O.D. copper supply tubes to the hot and cold water lines. Use appropriate sealants and ensure connections are tight to prevent leaks.
- **Connect Sensor Control Box:** Connect the sensor cable from the faucet to the control box. Install the control box in an accessible location under the sink.
- **Power Connection:** Connect the power supply to the control box (e.g., battery pack or AC adapter, depending on model configuration).
- **Test for Leaks:** Slowly turn on the water supply and check all connections for leaks.
- **Sensor Calibration:** Follow specific instructions provided with the product for initial sensor calibration to ensure optimal performance.

OPERATING INSTRUCTIONS

The HyTronic Gooseneck Sink Faucet features a dual-beam infrared sensor for touchless operation, providing convenience and hygiene.

Activating Water Flow:

- Simply place your hands within the detection range of the infrared sensor, located on the front of the faucet

base.

- The water will begin to flow automatically.
- Remove your hands from the sensor's range, and the water flow will stop automatically after a brief delay.

Flow Control:

This model features a 5-1/4" flow control rigid/swing gooseneck spout and a 2.5 GPM vandal-resistant Laminar inlet, ensuring a consistent and efficient water stream.

MAINTENANCE

Regular maintenance will help preserve the appearance and functionality of your faucet.

- **Cleaning the Finish:** Clean the chrome finish with a soft cloth and mild soap and water. Rinse thoroughly and dry immediately to prevent water spots. Avoid abrasive cleaners, scouring pads, or chemicals containing ammonia, bleach, or alcohol.
- **Sensor Care:** Keep the infrared sensor lens clean and free of obstructions. Gently wipe the sensor with a soft, damp cloth if it appears dirty. Do not use harsh chemicals or abrasive materials on the sensor.
- **Aerator/Laminar Inlet Maintenance:** Periodically unscrew and clean the laminar inlet to remove any mineral deposits or debris that may affect water flow.
- **Battery Replacement (if applicable):** If your faucet is battery-powered, replace batteries as indicated by a low battery indicator or when sensor response becomes sluggish. Refer to the specific battery compartment instructions.

TROUBLESHOOTING

If you encounter issues with your faucet, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No water flow or inconsistent flow.	• Water supply turned off. • Clogged laminar inlet. • Low or dead batteries (if battery-powered). • Sensor obstruction or malfunction.	• Ensure water supply valves are fully open. • Clean the laminar inlet. • Replace batteries. • Clean sensor lens; ensure no objects are blocking the sensor.
Water continuously runs.	• Sensor obstruction. • Sensor malfunction.	• Remove any objects from the sensor's field of view. • Contact Chicago Faucets customer support if problem persists.
Weak water pressure.	• Partially closed water supply valve. • Clogged laminar inlet.	• Fully open water supply valves. • Clean the laminar inlet.

For issues not covered here, or if troubleshooting steps do not resolve the problem, please contact Chicago Faucets customer support.

SPECIFICATIONS

Feature	Detail
Brand	Chicago Faucets
Model Number	116.596.AB.1
Mounting Type	Deck Mount
Installation Type	Single Hole
Finish Type	Chrome
Color	Chrome
Hole Count	1
Handle Type	Lever (for adjustment/override, primary operation is touchless sensor)
Maximum Flow Rate	2.5 Gallons Per Minute
Handle Material	Copper
Sensor Type	Dual Beam Infrared Sensor
Spout Type	Gooseneck, Rigid/Swing (5-1/4" flow control)
Inlet Type	Vandal-resistant Laminar Inlet
Supply Tubes	3/8" O.D. Copper
UPC	611943541972

WARRANTY AND SUPPORT

For specific warranty information regarding your Chicago Faucets HyTronic Gooseneck Sink Faucet, please refer to the warranty card included with your product or visit the official Chicago Faucets website. Warranty terms and conditions may vary.

For technical support, parts, or service inquiries, please contact Chicago Faucets customer service directly. Contact information can typically be found on their official website or in the product packaging.

Note: Protection plans offered by third-party retailers are separate from the manufacturer's warranty.

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