

AUTOMATIC FAUCET

FCi Deck Top Automatic Faucet

Touchless automatic faucet for deck-mounted installations.

PRODUCT IDENTIFICATION

Current SKU	decktop-auto
Model	ASF-0008
Installation	Deck-mounted
Finishes	Chrome or black
Standard power	6 V DC; four AA alkaline batteries



READ THIS MANUAL BEFORE INSTALLATION

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START HERE

Safety and contents

Read the instructions carefully before installation and keep this manual available for operation and care.

IMPORTANT INFORMATION

- Observe all applicable building and plumbing codes.
- Recommended working pressure is 20-70 psi (138-483 kPa). If supply pressure exceeds 80 psi (551 kPa), install a suitable pressure-reducing valve.
- Recommended supply-water temperature is 39-104 F (4-40 C). Never use steam as a hot-water supply.
- Flush all water lines before installation and keep debris out of the faucet and control box.
- Protect the sensor surface from scratches and damage throughout installation.
- Do not install another infrared sensor or inverter-operated device close enough to interfere with this faucet.

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For the FCI Deck Top Automatic Faucet. Keep this manual for future service.

PRODUCT OVERVIEW

Features and specifications

A compact deck-mounted faucet with hands-free sensing and a separate below-basin control box.



FEATURES

- Hands-free sensor operation.
- Sensor positioned at the spout tip for rapid response.
- Designed for straightforward installation and maintenance.

FCi Deck Top Automatic Faucet in chrome.

TECHNICAL DATA

Power	6 V DC (four AA alkaline batteries) or optional 120 V, 50 Hz AC configuration
Sensing range	12-15 cm; 12 cm factory setting
Water pressure	Rated 0.05-0.8 MPa; recommended supply 20-70 psi (138-483 kPa)
Water temperature	Rated 0.1-60 C; recommended supply 4-40 C (39-104 F)
Response time	0.5 seconds
Plumbing fittings	G1/2, G3/8 and 9/16-24
Dimensions	90 mm high x 61 mm wide x 129 mm deep
Batteries	Four AA alkaline batteries; not included

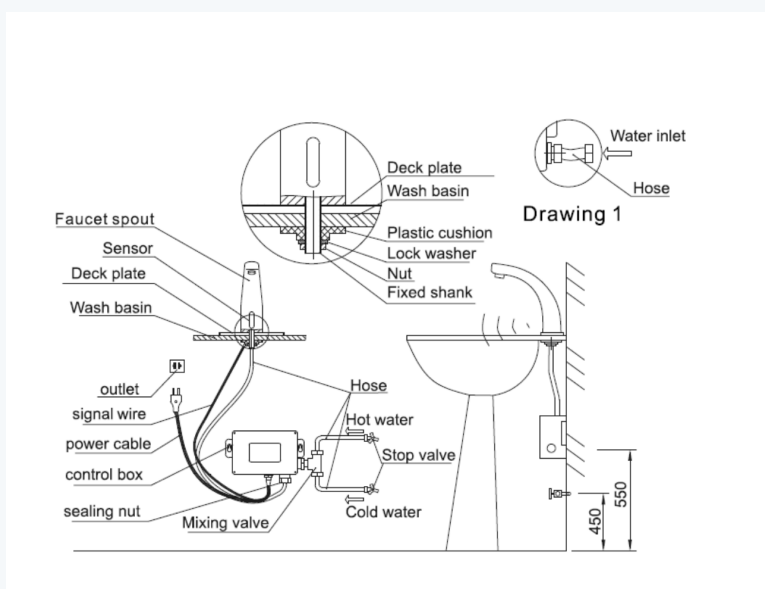
HOW IT OPERATES

The faucet runs while hands remain within the sensing area and stops when hands are removed; each flow interval is five seconds.

INSTALLATION LAYOUT

Components and connection layout

Use the product-specific drawing to identify the above-deck and below-basin components before installation.



EXPLODED VIEW

Deck-mounted faucet and optional hot/cold mixing-valve arrangement.

PARTS LIST

- | | | | |
|---|---|---|--|
| 1 | Faucet spout with sensor and deck plate | 4 | Control box with water inlet and outlet |
| 2 | Plastic cushion, lock washer, retaining nut and fixed shank | 5 | Optional mixing valve and hot/cold stop valves |
| 3 | Flexible hose, signal wire, power cable and sealing nut | | |

BEFORE INSTALLATION

Prepare the site

Verify the water supply, protect the sensing surface and gather the required tools before opening the lines.

1

Adjustable wrench

2

Power drill

3

Phillips screwdriver**WATER AND PLUMBING**

- Confirm the supply pressure and temperature are within the stated ranges.
- Flush the supply lines before connecting the faucet.
- Install all pipework, stop valves and connection lines to applicable codes.

OPTIONAL HOT/COLD SUPPLY

- Use FCI mixing valve MV-0001 and two FH-0001FF flexible hoses, 1/2-inch female to 3/8-inch female.
- Provide accessible hot- and cold-water stop valves.

Protect the sensor

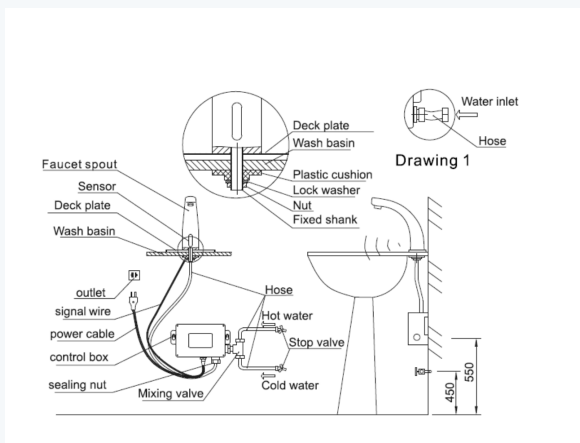
Prevent scratches, impacts and contamination on the sensor window during installation.

Complete these checks before installation.

INSTALLATION

Install and connect the faucet

Follow the product drawing and keep all below-basin connections accessible for service.



Deck Top connection reference.

1

Position the faucet through the deck opening with the deck plate above the basin.

2

Below the basin, install the plastic cushion, lock washer and retaining nut on the fixed shank; tighten securely without damaging the finish.

3

Route the hose, signal wire and power cable below the basin without kinks or strain.

4

Connect the faucet hose to the control-box outlet and connect the supply to the control-box inlet.

5

For a hot/cold installation, connect both stop valves to the optional mixing valve, then connect the mixed outlet to the control box.

6

Mount the control box in an accessible location approximately 450-550 mm below the countertop, as shown in the connection drawing.

7

Install four AA alkaline batteries in the holder, connect the battery box to the sensor lead and secure the holder in its bracket.

8

Open the water supply, inspect every connection for leaks and confirm hands-free operation.

INSTALLATION REFERENCE

Factory sensing distance

12 cm

INSTALLATION REFERENCE

Control-box reference

450-550 mm below the countertop

AFTER INSTALLATION

Allow the faucet to complete its sensing calibration before diagnosing a no-flow condition.

OPERATION AND SERVICE

Use, adjust and maintain the faucet

Normal operation requires no adjustment. Use the procedures below only when needed.

NORMAL OPERATION

Normal operation

Place hands beneath the spout within the sensing area. Water begins to flow and stops after hands are removed.

Follow the procedures below for adjustment and service.

Set the sensing range

Use a hand or other target to teach the desired activation distance.

- 1 Hold a hand or target at the desired distance in front of the sensor for about five seconds.
- 2 When the sensor LED begins to blink, remove the target after three blinks.
- 3 Confirm the faucet activates at the newly stored distance.

Replace the batteries

Replace all batteries when the red sensor LED flashes rapidly or the faucet stops operating.

- 1 Turn off the water supply.
- 2 Disconnect the battery box from the sensor and remove the battery holder.
- 3 Remove the holder cover and all four batteries.
- 4 Install four new AA alkaline batteries with the correct polarity.
- 5 Secure the cover, reconnect the sensor lead and return the holder to its bracket.
- 6 Restore the water supply and test operation.

TROUBLESHOOTING

Correct common operating issues

Turn off the water supply before disconnecting hoses or servicing the battery holder.

SYMPTOM	ACTION
Red sensor LED	Battery power is low. Install four new AA alkaline batteries.
Faucet does not operate	Check battery orientation and charge, then make sure the battery power cable is connected securely.
Sensor activates but no water is delivered	The faucet may be completing adaptive sensing calibration. Wait 45 seconds, then test again.
Weak flow or dribbling	Open the supply valve fully. Remove and clean the aerator or spray head and clean the supply-valve filter.

Care and cleaning

Clean with mild soap and water, then dry with a clean soft cloth or towel. Do not use abrasive or chemical cleaners, including chlorine bleach. Protect the faucet from tile-cleaner splashes; acids and cleaning fluids can damage the finish.

PRODUCT ASSISTANCE

Warranty and support

Keep your proof of purchase and contact FCI for current warranty terms or product assistance.

WARRANTY

Warranty and product support

A one-year warranty is included, with optional two- and three-year plans available at purchase. Contact FCI for current terms, claim assistance and replacement parts.

WEBSITE

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About FCI

FCi Faucets Canada Inc. provides reliable touchless fixtures designed for hygienic, water-conscious facilities.

Thank you for choosing FCI.