



INSTALLATION MANUAL

FCi Merit Automatic Faucet

Installation, operation and maintenance

Model	ASF-0004D
SKU	merit-auto
Standard power	6 V CR-P2 lithium battery
Optional power	6 V plug-in or dual power
Finish shown	Chrome



This manual applies to model ASF-0004D / SKU merit-auto.

READ FIRST

Safety and contents

Keep this manual available for installation, operation and future service.

- Read all instructions before installation and retain this manual for operation and service.
- Observe all local building and plumbing codes.
- Flush all water lines before connecting the faucet.
- Install the faucet only in a non-freezing location and never use steam as the hot-water supply.
- Protect the sensor surface from scratches and keep infrared or inverter devices away from the faucet.
- Close the water supply before installation or service.

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PRODUCT OVERVIEW

Features and specifications

Touchless operation with programmable sensing, an integrated temperature lever and flexible power options.



FEATURES

- Hands-free sensor operation.
- Sensor positioned at the tip of the spout for quick response.
- Programmable sensor range, flow duration and temporary-off mode.
- Integrated lever for hot and cold water temperature adjustment.

Specifications

SPECIFICATION	VALUE
Battery	6 V lithium CR-P2 / 223A
Flow volume	2-6 L/min
Maximum water temperature	80 °C
Water pressure	0.3-10 bar
Recommended supply pressure	20-70 psi (138-483 kPa)
Pressure-reducer threshold	Above 80 psi (551 kPa)
Flow duration	0.5-4 seconds
Dimensions	135 mm H x 50 mm W x 145 mm D
Available finishes	Chrome, black, white, red, blue and gold

Battery-life guidance

Expected battery life is approximately three years at 50 activations per day. Actual life varies with use, settings, water conditions and battery quality.

PREPARATION

Before installation

Confirm the site, supply conditions and required tools before mounting the faucet.

Tools

- | | |
|---|----------------------|
| 1 | Adjustable wrench |
| 2 | Power drill |
| 3 | Phillips screwdriver |

SUPPLY CONDITIONS

- Recommended working pressure is 20-70 psi (138-483 kPa).
- If pressure exceeds 80 psi (551 kPa), install a pressure-reducing valve.
- Recommended incoming water temperature is 4-40 °C.
- Flush all water lines before installation.

SITE PREPARATION

- Confirm the faucet, supply hoses and drain components fit the selected basin.
- Protect the sensor face and electronic components during installation.
- Keep nearby inverter and infrared-sensor devices away from the faucet.
- Provide an accessible, dry location below the basin for the purchased power components.

Hot and cold connection

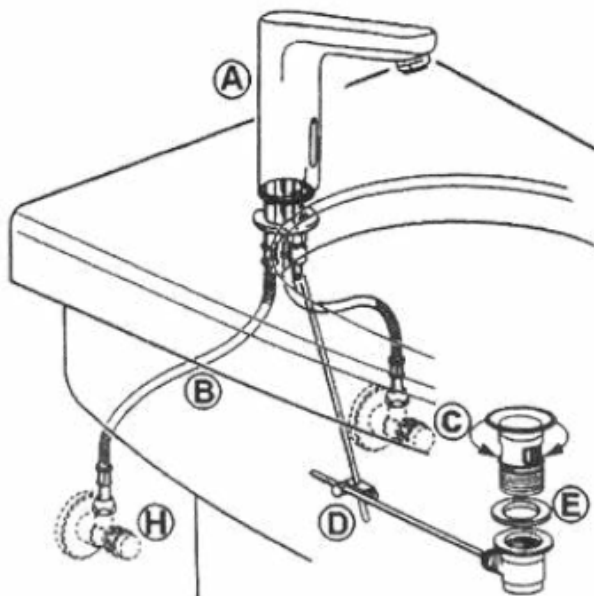
Connect the hot and cold flexible hoses to the corresponding supply valves and verify the temperature lever moves freely.

Supply hoses and optional power components must match the purchased configuration.

MOUNTING AND WATER CONNECTION

Install the faucet

Mount the body, connect the water and drain hardware, then commission the sensor.



Faucet, flexible hoses and drain linkage

- 1 Position the faucet in the basin opening with the sensor facing the user.
- 2 Secure the faucet and route the flexible hoses and drain linkage below the basin without kinks.
- 3 Connect the cold and hot hoses to their corresponding supply valves.
- 4 Connect the drain linkage if supplied and confirm it moves freely.
- 5 Open the supply valves evenly and inspect every connection for leaks.
- 6 Remove the protective label from the electronic control area, press the setting button once and verify hands-free operation.

STANDARD POWER

6 V lithium battery

Use one CR-P2 / 223A battery of the specified type.

OPTIONAL POWER

Plug-in or dual power

Use only the supplied FCI low-voltage power components.

Power configuration

Install the battery, plug-in or dual-power package supplied with the faucet. Contact FCI if the supplied components do not match the purchased configuration.

OPERATION AND PROGRAMMING

Operate and program the faucet

Use the setting button to adjust sensing, flow duration and temporary-off mode.

NORMAL OPERATION**Hands-free water control**

Place your hands in the sensing area to start flow. Water stops when your hands are removed.

Use the side lever to adjust hot and cold water temperature.

Adjust the sensor range

First place the faucet in continuous-off mode, then select the desired range using the LED blink sequence.

- 1 Hold the setting button and release it after the LED blinks twice.
- 2 Press the button again until the LED starts blinking; one blink selects the longest range and five blinks selects the shortest range.
- 3 Release the button at the desired setting. Two LED blinks confirm the new range.

Set the flow duration

Flow duration can be set from 0.5 to 4 seconds.

- 1 Hold the setting button until the LED blinks four times, then release it.
- 2 Press and hold the button again for 1-5 seconds to choose the duration.
- 3 Two LED blinks confirm the setting.

Turn the faucet off and on

Use continuous-off mode for cleaning or temporary service.

- 1 Hold the setting button until the LED blinks five times, then release it.
- 2 Three immediate LED blinks confirm that the faucet is off.
- 3 Press the button once to return the faucet to normal operation.

BATTERY SERVICE

Battery indicator and replacement

Replace the battery when the status light accelerates or the faucet shuts down.

LOW BATTERY**Status-light sequence**

The LED first blinks every four seconds, then accelerates to approximately 2.5 blinks per second. The faucet eventually turns off while the LED continues blinking.

Use one new 6 V lithium CR-P2 / 223A battery.

Replace the battery

Wait at least one minute after removing the old battery before installing the replacement.

- 1 Turn off the water supply and separate the electronic section as shown in the product diagram.
- 2 Remove the old battery and wait at least one minute.
- 3 Install one new 6 V CR-P2 / 223A lithium battery and reassemble the electronic section.
- 4 Press the setting button once and verify normal operation.

SERVICE GUIDANCE

Troubleshooting and care

Use these checks before contacting FCI for product assistance.

SYMPTOM	ACTION
The low-battery LED sequence appears.	Replace the battery with one new 6 V lithium CR-P2 / 223A battery.
Water does not start or runs continuously after a power change.	Disconnect the battery for one minute, reconnect it, then press the setting button once.
The faucet still does not operate normally after reset.	Close the water supply valves and contact FCI with the model and purchase information.
The sensor range or flow duration is unsuitable.	Repeat the applicable programming procedure in this manual.

Care and cleaning

Use a soft, damp cloth and mild soap if required, then wipe dry. Do not use abrasive or chemical cleaners. Protect the sensor surface from scratches.

WARRANTY

Your selected warranty term

Your warranty term is the option selected at purchase. A one-year warranty is included, and optional two-year and three-year plans are available. Keep your proof of purchase and contact FCI for current terms and claim assistance.

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About FCI Faucets Canada Inc.

FCi provides touchless fixtures designed to support reliable sanitation. Our team supports commercial and institutional projects with product selection, documentation and practical guidance.

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