

AUTOMATIC TOILET FLUSHER

SmartFlush Automatic Toilet Flusher

Exposed automatic toilet flushing

PRODUCT IDENTIFICATION

Model	ATF-0002
SKU	smartflushauto-flusher
Power	6 V DC / two CR123A lithium batteries



INSTALLATION / OPERATION / CARE

READ THIS MANUAL BEFORE INSTALLATION

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1 / 9

START HERE

Safety and contents

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

IMPORTANT INFORMATION

- Keep objects at least one metre away from the sensor during installation and commissioning.
- Flush and clean supply piping before connecting the flusher.
- Shut off water before installation, solenoid service or strainer maintenance.
- Confirm there are no water leaks before completing installation.
- Match cable colours before reconnecting the sensor and battery holder.
- Do not use abrasive or chemical cleaners.

CONTENTS

1

Cover

2

Safety and contents

3

Product overview

4

Construction and components

5

Before installation

6

Installation sequence

7

Adjustment and service

8

Troubleshooting and care

9

Warranty and support

For FCI SmartFlush automatic toilet flusher model ATF-0002.

PRODUCT OVERVIEW

Product overview

Review the product functions, operating limits and key specifications before installation or service.



FEATURES

- Hands-free sensor operation.
- Manual flush button.
- Adjustable sensing distance and control-stop flow.
- Serviceable solenoid diaphragm and inlet strainer.

SmartFlush exposed automatic toilet flusher.

TECHNICAL DATA

Power	6 V DC; two CR123A 3 V lithium batteries
Water pressure	0.3-0.8 MPa
Water temperature	0.1-60 °C
Flush volume	4-6 L at 0.3-0.4 MPa
Factory sensing range	55-60 cm
Product dimensions	148 x 148 mm

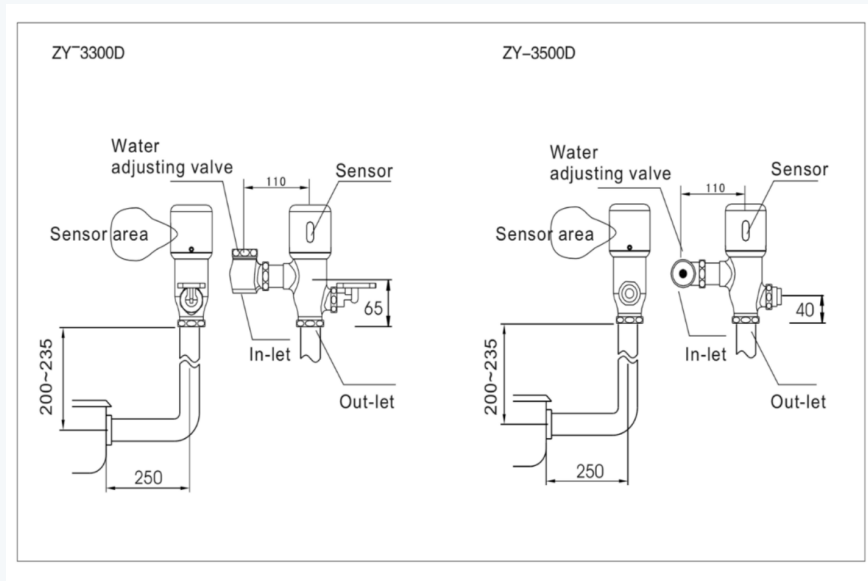
OPERATING NOTE

The manual button can be used to flush and check for leaks during installation.

COMPONENTS

Construction and components

Identify the product components before beginning installation or service.



EXPLODED VIEW

Construction dimensions and left/right supply configurations.

PARTS LIST

- | | |
|---|---|
| 1 Flusher body with inlet and outlet | 4 Manual flush button and control stop |
| 2 Sensor and top-cap assembly | 5 Solenoid valve, diaphragm, piston and spring |
| 3 Battery holder | 6 Strainer, cap and stop-valve assembly |

PREPARATION

Before installation

Complete these checks and gather the listed tools before beginning.

1

**Phillips and flat-head
screwdrivers**

2

**19 mm wrench and
soft brush**

3

**Fine needle for
diaphragm bypass
service**

4

Clean soft cloth

SUPPLY

- Flush and clean supply piping.
- Shut off water before making connections.

SENSOR

- Keep objects one metre away during installation.
- Match cable colours when reconnecting components.

Battery type

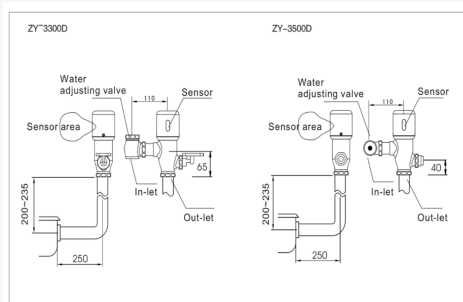
Use two CR123A 3 V lithium batteries.

Complete this check before proceeding.

INSTALLATION

Installation sequence

Follow the sequence in order and confirm each mounting point or connection before proceeding.



Choose the inlet orientation that matches the water-supply direction.

- 1 Flush the water line, shut off the supply and clean the pipe.
- 2 Connect the supply pipe to the flusher inlet and connect the flusher outlet to the fixture.
- 3 Open the water supply and use the manual button to flush and check for leaks.
- 4 Remove the top cap, then disconnect the white/yellow sensor cable and red/black battery cable.
- 5 Remove the sensor and battery holder from the cap.
- 6 Install two CR123A 3 V lithium batteries with the marked polarity.
- 7 Reinstall the sensor and holder, reconnect matching cable colours and secure the top cap.

NEXT

Commission the sensing distance and flow after confirming the installation is leak-free.

OPERATION & SERVICE

Adjustment and service

Use these procedures for normal operation, adjustment and routine service.

OPERATION

Operating guidance

Factory sensing range is 55-60 cm and normally requires no adjustment.

Use the procedures below in the order shown.

Adjust sensing range

Use a target at the desired distance.

- 1 Place the target in the sensor view and hold it for 10 seconds.
- 2 The sensor automatically adopts the target distance.

Service the solenoid

Shut off all water before opening the valve.

- 1 Remove the cap, disconnect the sensor cable and remove the solenoid valve.
- 2 Remove the diaphragm, clean its bypass hole with a fine needle and rinse the diaphragm.
- 3 Reassemble the diaphragm, piston, spring and valve.

Replace batteries

Three LED flashes indicate low battery power.

- 1 Remove the top cap and disconnect the sensor and battery cables.
- 2 Remove the sensor and holder, then replace both CR123A batteries.
- 3 Reinstall all components, reconnect both cables and secure the cap.

Clean the strainer

Clean every three months or whenever flow is lower than normal.

- 1 Shut off water and remove the strainer cap with a 19 mm wrench.
- 2 Clean the strainer with a soft brush under running hot water.
- 3 Reassemble the stop-valve assembly.

Adjust flow

Use the control stop to obtain a flush that cleans the fixture.

- 1 Turn clockwise to reduce or shut off flow.
- 2 Turn counterclockwise to increase flow.

TROUBLESHOOTING & CARE

Troubleshooting and care

Use the symptom-and-action guide before requesting service.

SYMPTOM	ACTION
Sensor does not detect the user. Possible cause: Sensing distance is too short.	Repeat the range-adjustment procedure with a more suitable target distance.
Valve still does not flush. Possible cause: Range setup, batteries or sensor module may be at fault.	Repeat range setup, replace both batteries and contact FCI if the sensor module fails.
Valve does not shut off. Possible cause: Debris is fouling the diaphragm or the sensor module has failed.	Clean the diaphragm; contact FCI if the sensor module requires replacement.
Too little or too much water. Possible cause: Control stop, supply pressure or diaphragm bypass requires attention.	Adjust the stop, confirm adequate supply and clean the diaphragm bypass as applicable.
Red LED flashes three times. Possible cause: Battery power is low.	Replace both CR123A batteries.

Care and cleaning

Clean with soap and water, then dry with a clean, soft cloth. Do not use abrasive or chemical cleaners. Protect the flushometer from tile cleaner, acids and other cleaning fluids.

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

The warranty term is selected at purchase. A one-year warranty is included; optional two-year and three-year plans are available. Contact FCI for current terms or claim assistance.

WEBSITE

www.faucetscanadainc.com

PHONE

1-866-279-8369

EMAIL

sales@faucetscanadainc.com



About FCI

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

Thank you for choosing FCI.