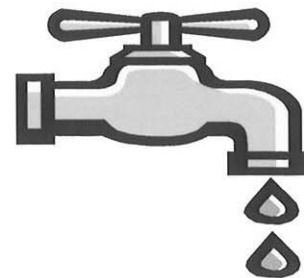


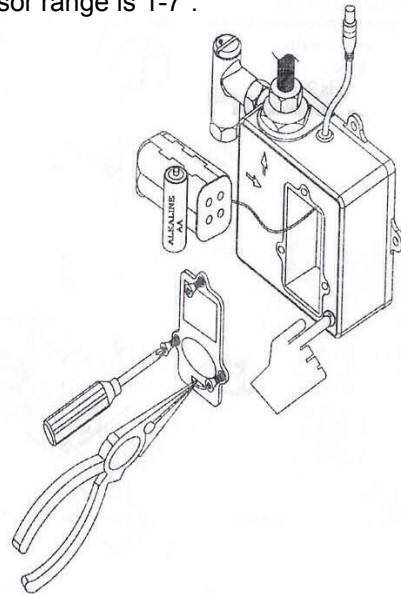
Equip Sensor Faucet Troubleshooting Guide



Problem	Possible Cause	To Diagnose	Remedy
Faucet will not turn "on"	Sensor needs adjustment	Place hand in front of sensor to see if it works when the sensor is activated.	Follow instructions to reset sensor distance.
Faucet will not turn "on" or shut "off"	Control Module circuit board is defective.	RED sensor eye remains "on".	Replace control module. P/N 5EF-0001
Faucet will not turn "on" or shut "off"	Solenoid valve is clogged or stuck closed.	Solenoid valve is "clicking" but no water.	Replace control module. P/N 5EF-0001
Receive little or no water from faucet	In-line filter is clogged.	Check filter screen on the control module.	Clean or replace the filter screen.
Faucet will not turn "on"	Solenoid is defective.	Red sensor eye "on" but no clicking.	Replace control module. P/N 5EF-0001
Faucet will not turn "on"	Sensor could be defective.	Red sensor light remains "on" or no light at all.	Replace sensor cable or faucet
Faucet will not turn "on"	Batteries could be too weak.	Red sensor light remains "on" or no light at all. Plug in the AC adapter to see if faucet works.	Replace batteries if plugging the AC adapter helped the problem.
Faucet will not shut "off"	Solenoid valve has debris inside it	RED sensor eye remains "on" and the solenoid makes "clicking" sound when activated.	Replace control module. P/N 5EF-0001
Faucet will not shut "off"	Solenoid valve is defective.	Red sensor eye "on" but no clicking.	Replace control module. P/N 5EF-0001
Faucet will not shut "off"	Sensor range is set too long.	Water will flow inconsistently	Follow instructions to reset sensor distance.
Faucet will not shut "off"	Control Module circuit board is defective.	RED sensor eye remains "on".	Replace control module. P/N 5EF-0001
Faucet is "dripping"	Solenoid diaphragm could be dirty or solenoid could be defective.	Red sensor eye "on" but no clicking.	Replace control module. P/N 5EF-0001

BATTERY INSTALLATION

1. Your sensor faucet requires four (4) AA alkaline batteries. If the AC adapter is plugged in, unplug it from its power source.
2. With the help of a phillips screwdriver, remove the battery cover's three (3) fasteners and pull cover away from the control box.
3. Remove the old batteries.
4. Install the new AA batteries, making sure that the + and – ends are facing the correct direction. Return the battery cover to its spot and tighten fasteners. If the AC adapter is unplugged, plug it in at this time.
5. Press and hold the on/off button for 5-7 seconds. Water flow will stop and the LED inside the electronic eye will blink on.
6. Release the on/off button. The LED should turn itself off, signaling that the faucet is ready for setup.
7. Place your hand about two (2) inches from the electronic eye. The LED will flash to signal that the sensor is “picking up” your hand.
8. Move your hand slowly away from the electronic eye until you have reached the desired sensor range distance, and hold it there until the LED flashes.
9. Keeping your hand there, use your other hand to press the on/off button to save the new range setting.
10. The default sensor range is 1-7”.



Q&A

1. **Q:** Can I operate the faucet manually, without using the electronic eye?
A: Yes. Press the on/off button and water will start flowing. To turn water off, press on/off button again. If you forget to turn the water off, the faucet will automatically turn it off after 60 seconds.
2. **Q:**What is the optimal sensing distance?
A: About 2” from sensor.
3. **Q:** Does the electronic eye require special maintenance?
A: In order for the sensor to function, the electronic eye must be clean. Use only mild soaps and water. Wipe with a soft cloth.
4. **Q:** How often should I clean the filter?
A: Depending on the quality of the water in your area, every 4-12 weeks.
5. **Q:**Why doesn't the water shut itself off after I have moved my hands away from the electronic eye?
A:Sensor range could be too long. User may have to adjust sensor range.
6. **Q:** No water will come out of the faucet and the red LED stays on. What is the problem?
A: Replace the batteries.



5EF-0001



5EF-0006



5EF-0002



5EF-0003/5EF-0004

USER'S GUIDE

EQUIP TOUCH-FREE SENSOR FAUCETS

Limited One Year Warranty

Equip warrants the original purchaser (other than for purposes of resale) that such product is free from defects in material and workmanship for a period of one (1) year from the date of purchase. During this warranty period, if the product is found to be defective, equip shall, at its option, repair and/or replace it. To obtain warranty service, products must be returned to:

Equip Foodservice Accessories
Attn: Warranty Repair Department
P.O. Box 1088, 2 Saddleback Cove
Travelers Rest, SC 29690

Shipping, freight, insurance, and other transportation charges of the product to equip and the return of repaired or replaced product to the purchaser are the responsibility of the purchaser. Repair and/or replacement shall be made within a reasonable time after receipt by Equip of the returned product. This warranty does not cover items which have received secondary finishing or have been altered or modified after purchase, or for defects caused by physical abuse to or misuse of the product, or shipment of the products.

Any express warranty not provided herein, and any remedy for Breach of Contract which might arise, is hereby excluded and disclaimed. Any implied warranties of merchantability or fitness for a particular purpose are limited to one year in duration. Under no circumstances shall Equip be liable for loss of use or any special consequential costs, expenses or damages.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Specific rights under this warranty and other rights vary from state to state.

098-015286-45 Rev.0



5EF-1D-WG



5EF-1D-DG



5EF-1D-DS

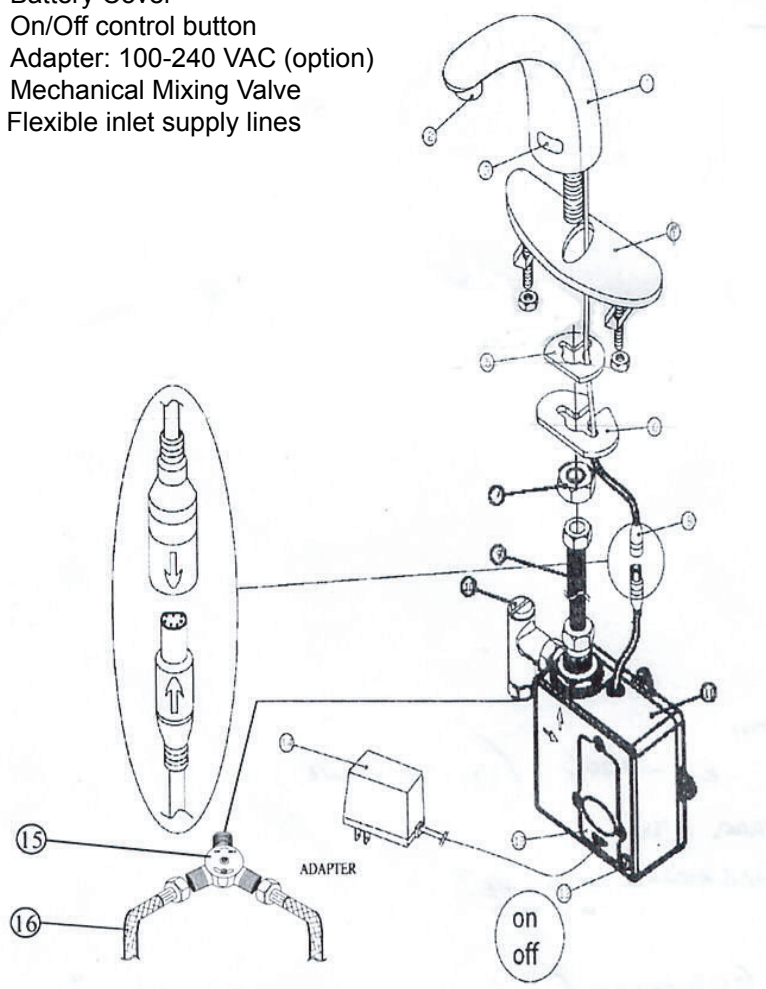


5EF-2D-DS



PART LIST

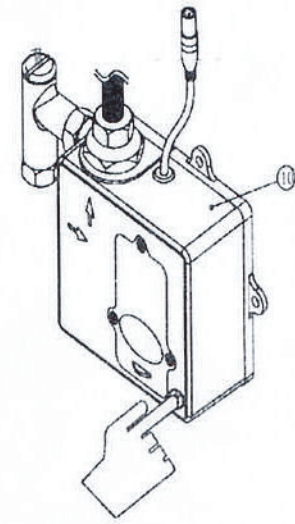
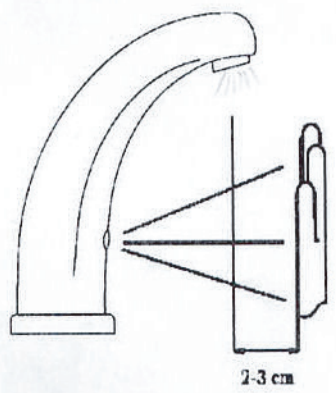
- 1. Main Body – Solid Brass
- 2. Spout
- 3. Infrared sensor eye
- 4. 4” cover plate (not included)
- 5. Washer
- 6. Brass washer
- 7. Basin nut
- 8. Connect Line Cable
- 9. Supply Hose
- 10. Filter
- 11. Control Box
- 12. Battery Cover
- 13. On/Off control button
- 14. Adapter: 100-240 VAC (option)
- 15. Mechanical Mixing Valve
- 16. Flexible inlet supply lines



OPERATION

- 1. Place hands under spout. Water will flow for as long as the user's hands remain within sensor range.
- 2. Clean filter every month.
- 3. Keep electronic eye cover clean.
- 4. Red flashing in the electronic eye indicates low batteries. (Replacement batteries: Alkaline AA.)
- 5. Solid red light in the electronic eye and no water flow indicates batteries are dead.
- 6. When used in conjunction with the optional AC adapter, the faucet will automatically switch to AC power and conserve its battery power.

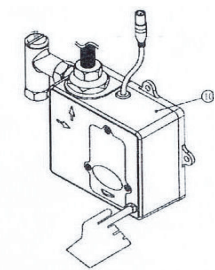
Fresh alkaline batteries should last 400,000 on/off cycles.



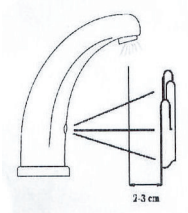
Maximum Running Time:	60 seconds
Response Time:	0.3 seconds
Sensing Range:	1-7 inches from sensor
Power Source:	AC and/or DC
Low Battery Indicator:	Red LED on

SENSOR RANGE SETUP

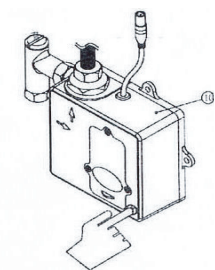
- 1. AF-serial sensor range can only be set by using the on/off button situated on the bottom right corner of the control box (see 2). Do not attempt to open control box.
- 2. Push and hold the on/off button for 5-7 seconds. Water flow will stop and the red LED light inside the electronic eye will blink on. Release the on/off button. The LED should turn itself off, signaling that the faucet is ready for setup.
- 3. Release the on/off button. The LED should turn itself off, signaling that the faucet is ready for setup.



- 4. Place your hand about 2 inches from the electronic eye. The LED will flash to signal that your hand has been “picked up” by the electronic eye.
- 5. Move your hand slowly away from the electronic eye until you have reached the desired distance, and hold it there until the LED



- 6. Use your other hand to press the on/off button to save the new range setting.
- 7. The default sensor range is 1-7”.





Cleaning the check valve on a 5EF-0006 mixing valve

PROCESS STEPS

1. Remove the mixing valve from the faucet assembly.
2. Using a small pick, pull the check valve out of the mixing waterway.
3. Inspect the checkvalve (front and back) for debris and other obstructions.
4. If found, remove the obstruction from the check valve.
5. Inspect the check valve for damage to the check valve material.
6. Make sure the check valve spring works smoothly and without restrictions. Inspect o-ring for damage.
7. Place check valve back into the mixing valve waterway and press back into the mixing valve.
8. Push check valve all of the way back until the check valve stops completely.
9. Re-install onto the faucet assembly and test for leaks.



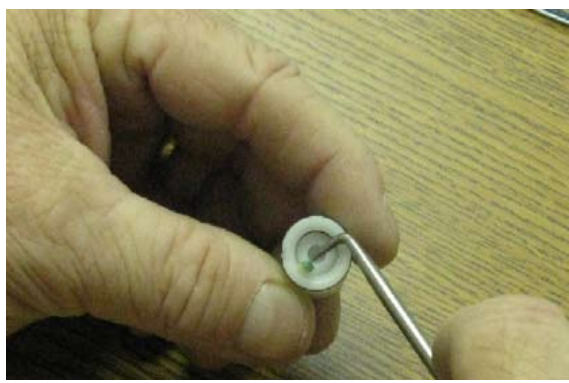
1. Remove the mixing valve from the faucet assembly.



2. Using a small pick, pull the check valve out of the mixing waterway.



3. Inspect the checkvalve (front and back) for debris and other obstructions.



4. If found, remove the obstruction from the check valve.



5. Inspect the check valve for damage to the check valve material.



6. Make sure the check valve spring works smoothly and without restrictions. Inspect o-ring for damage.



7. Place check valve back into the mixing valve waterway and press back into the mixing valve.



8. Push check valve all of the way back until the check valve stops completely.



9. Re-install onto the faucet assembly and test for leaks.