

## SPECIFICATIONS

Voltage:	6VDC (4 "AA" Alkaline)
Sensor Range:	7.5" Approximate
Operating Water Pressure:	20-80 psi
Ambient Temperature:	32°F to 122°F (0°C to 50°C)
Operational Water Temperature:	35°F to 140°F (2°C to 60°C)
Aerator:	2.0 GPM Vandal-Resistant (Standard)

## CARE AND CLEANING INSTRUCTIONS

**DO NOT** use abrasive or chemical cleaners to clean faucets as they will dull the luster and attack the chrome or special decorative finishes. Use only mild soap and water, then wipe dry with a clean cloth or towel. While cleaning the bathroom tile and floor, the faucet and electronics should be protected from splattering of water, cleaner, acids, and cleaning fluids that can damage the sensor faucet.

## OPERATION

- 1.) Invisible light rays are continually emitted from the faucet sensor.
- 2.) When the user's hands come into range of the sensor's detection zone (7.5" approximate), the beam is reflected back to the sensor's receiver and converted to a low voltage electrical signal activating a solenoid valve.
- 3.) After the user removes their hands, the absence of reflected light stops the low voltage electrical signal, closing the valve. The circuit automatically resets for the next user.
- 4.) If an object is in view continuously for 30 seconds, the faucet will automatically shut off. The faucet will remain off until the object is removed. After the object is removed, the faucet functions normally.

## TROUBLESHOOTING GUIDE

PROBLEM	POSSIBLE CAUSE	TO DIAGNOSE	REMEDY
FAUCET WILL NOT FLOW WATER	Water supply not turned on.	Check supply stops.	Turn on water.
	Batteries not connected.	Check connections.	Reconnect batteries.
	Cable connection is not fully engaged.	Check cable connection.	Remove battery and disengage the cable connection. Check cable connection for broken pins and reconnect cable. Check battery for voltage level and reinstall.
	Low battery.	Flashing red light in sensor eye indicates low battery.	Remove batteries and replace with four (4) new "AA" alkaline batteries.
	Solenoid valve inoperative.	Move hand in front of faucet to see if solenoid valve is clicking.	If clicking, open solenoid valve and clean it. If not clicking, replace solenoid valve.
	Sensor/electronics are inoperative.	Move hand in front of faucet to see if solenoid valve is clicking. See note in Step 4.	Remove the battery and short circuit the battery terminals with Allen wrench. This will reset the electronics. Replace battery.
	Filter is plugged.	Shut off water supply. Remove clean out cap.	Clean the filter and reassemble.
FAUCET CONTINUES TO RUN FOR MORE THAN 30 SECONDS OR DRIPS	Solenoid valve is dirty.	Open the solenoid valve and check for debris. Carefully observe the way valve goes together for reassembly.	Shut off water supply. Disassemble solenoid and remove debris from diaphragm and/or plunger tip. Reassemble solenoid.



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