

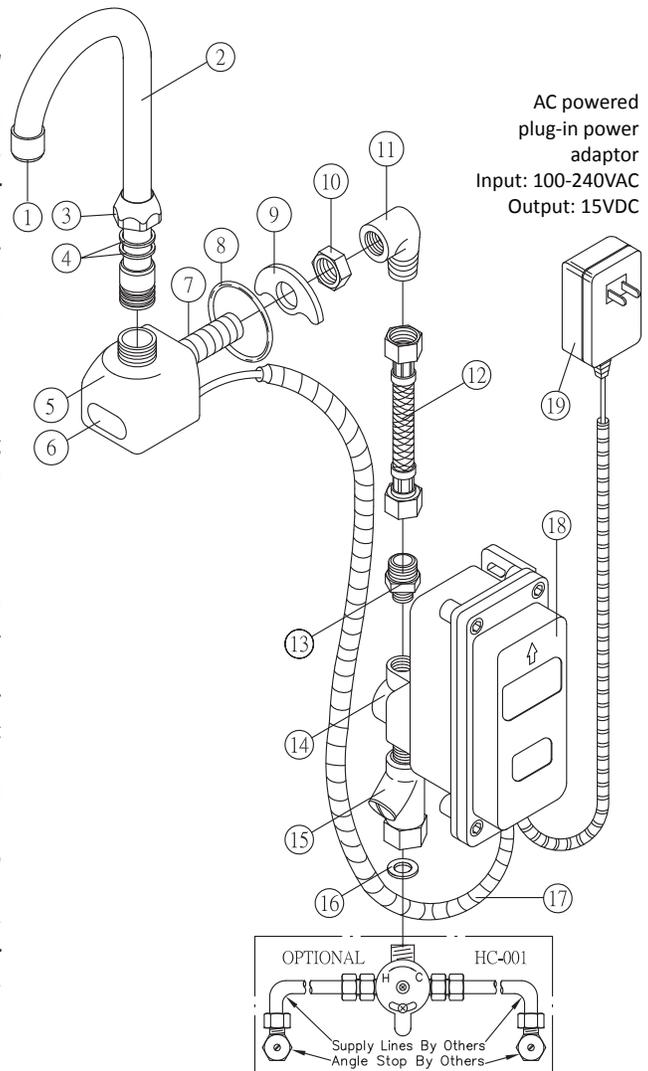


## Sensor Faucets and Flush Valves

# 6700C Series

## AC or Battery Powered Sensor Operated Faucet Installation Instructions

- Prior to installation, thoroughly flush all water lines and replace stop washers, if required. **USE TEFLON TAPE FOR ALL CONNECTIONS, NO PIPE DOPE**
- Remove the **Mounting Nut (10)** and **Slotted Washer (9)** from the **Mounting Bolt/Inlet Shank (7)**.
- Ensure the **Mounting O-Ring (8)** is fitted on the **Faucet Body (5)**, then feed the **Sensor Eye Cable (17)** and the **Mounting Bolt/Inlet Shank (7)** into the sink backsplash mounting hole. Secure the faucet using the **Slotted Washer (9)** and the **Mounting Nut (10)**.
- Mount the **Gooseneck Spout (2)** onto the **Faucet Body (5)** and secure by tightening the **Spout Nut (3)**.
- Attach the **90-Degree Elbow (11)** to the **Mounting Bolt/Inlet Shank (7)** with the threaded tip pointed down at the floor.
- Attach the **Supply Tube (12)** to the **90-Degree Elbow (11)**.
- Considering the length of the **Supply Tube (12)**, drill two holes, 5 3/4" apart, on the wall vertically, to mount the **Control Box (18)**. Use the two mounting screws and anchors provided. Ensure the **Control Box (18)** is mounted with the arrow on the lid pointing up.
- Attach the **Compression Adapter (13)** to the **Solenoid Valve (14)**.
- Attach the **Supply Tube (12)** to the **Compression Adapter (13)**.
  - Pre-tempered or cold water only:** Use a union fitting (not supplied) to connect the supply line (not supplied) from the supply stop to the **In-Line Filter (15)**.
  - Tempered water:** Attach an optional Hydrotek **HC-001** Mixing Valve or **HC-003** Mixing T to the **In-Line Filter (15)**. Connect the supply lines (not supplied) to the mixing valve or mixing T.
- Connect the **Sensor Eye Cable (17)** into matching connector on the PC Board in the **Control Box (18)**; making sure the cables are seated properly.
- To ensure proper operation, "DRY TEST" the faucet by connecting power to the unit before turning water on.
  - AC Powered:** Plug the Power Adapter cable into the appropriate connector on the PC Board in the **Control Box (18)**, then plug the **Power Adapter (19)** into a 120 V AC wall outlet. Place your hand in front of the sensor eye and listen for a clicking sound.
  - Battery Powered:** Properly install new batteries into the battery holder. Place your hand in front of the sensor eye and listen for a clicking sound.
  - If there is no clicking sound, push the reset button on the PC Board inside of the **Control Box (18)**. Listen for a clicking sound.
  - \*\*If there is still no clicking sound, call Hydrotek at the number listed below.
- Insert the blue plug and the brass ring on the end(s) of the shielding for the **Sensor Eye Cable (17)** and the cable for the AC **Power Adapter (19)** (AC models ONLY), into the designated openings at the bottom of the **Control Box (18)**. To ensure proper water resistance, reinstall the cover for the **Control Box (18)** and tighten the screws.
- Turn on the water and check for leaks. Place hand in front of the sensor eye to activate water flow. Remove hands and the water should stop.
- Periodically clean the filter element in the **In-Line Filter (15)**.



AC powered  
plug-in power  
adaptor  
Input: 100-240VAC  
Output: 15VDC

### Parts:

1. Flow Control Device	11. 90-Degree Elbow
2. Gooseneck Spout	12. Supply Tube
3. Spout Nut	13. Compression Adapter
4. Split Washer (Installed)	14. Solenoid Valve
5. Faucet Body	15. In-Line Filter
6. LED Sensor Cover	16. Nylon Washer
7. Mounting Bolt/Inlet Shank	17. Sensor Eye Cable
8. Mounting O-Ring	18. Control Box
9. Slotted Washer	19. Power Adapter (AC Models only)
10. Mounting Nut	

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**IMPORTANT:** (1) For outdoor installations, the faucets must be installed in fully enclosed spaces where they are completely shielded from direct sunlight, as exposure to the sun can affect performance. Hydrotek International, Inc. is not liable for any damages, malfunctions, or performance issues caused by exposure to direct sunlight.

(2) Additionally, the stop valve must not be opened beyond the point where water flow exceeds the sink drain's capacity. The sink's drain and plumbing must accommodate continuous water flow from the faucet to prevent overflow. Hydrotek is not responsible for any damages resulting from sink overflow caused by water flow exceeding the capacity of the drain or pipes. Proper installation and operation are the user's responsibility.

# HYDROTEK FAUCET INSTALLATION TROUBLESHOOTING GUIDE

OPERATION: When power is connected, the unit will automatically begin to perform the setup procedure. You will hear a click sound and the sensor light will flash. Once setup is complete, water will flow when the sensor is activated by placing the user's hands under the spout and will continue to flow for the duration of the sensor activation. Water flow will automatically stop once the user's hands are removed. Periodic maintenance is required for smooth and trouble-free operation.

PROBLEM	SYMPTOM	CAUSE	SOLUTION
CONTINUOUS or NO water flow after installation, clicking is undetectable when sensor is activated	*AC Units: Water does not stop running or water does not flow	There is no power to the unit	In the case of continuous flow: turn off water supply at the stop valves. Plug in power supply. Perform dry test to confirm solenoid click activation sound. If the click sound is undetectable, verify the power cord and the sensor cable are connected properly to the PCB. If the problem persists, verify the power supplied by the outlet. <i>*Be sure to turn the water supply back on after solenoid click sound is detectable to verify correct operation</i>
	*Battery Units: Water does not stop running or water does not flow	There is no power to the unit	In the case of continuous flow: turn off water supply at the stop valves. Install all 4 AA batteries. Perform a dry test to confirm solenoid click activation sound. If the click sound is undetectable, verify the power cord and the sensor cable are connected properly to the PCB. <i>*Be sure to turn the water supply back on after solenoid click sound is detectable to verify correct operation</i>
	*3000C & 4000C MODELS ONLY: Water does not stop running	Manual override handle is enabled	In the case of continuous flow: locate manual override handle on the right side and set to "automatic" position. If the problem persists, turn off water supply at the stop valves. Perform the steps listed above for the appropriate power supply. <i>*Be sure to turn water supply back on to verify correct operation</i>
NO water flow after installation, clicking is detectable when sensor is activated	No water flow when sensor is activated	Water supply stop valve(s) are not fully open	Turn the stop valve(s) fully open
	*Units with below deck mixing valves: Faucet does not flow at all, and stop valves are fully open	Mixing valve is defective	Disconnect tempered line and place in a bucket to confirm normal waterflow. If there is no flow, replace defective mixing valve
LIMITED water flow when the sensor is activated	Faucet is trickling or has low water pressure	Excessive line debris has clogged the inline filter and/or the aerator	Turn off stop valve(s), remove inline filter screen and rinse with water. Remove aerator with aerator key and rinse with water. Properly flush the line before reinstalling the filter(s)

*For issues beyond the steps of this troubleshooting guide, please call:*

**Hydrotek Technical Support  
(800)922-9883**

### Care and Cleaning Instructions:

- **WARNING!** Using abrasive or chemical cleaners *will* damage the chrome or decorative finishes.
- Use only soap and water to clean the finish, then wipe dry with a clean cloth.
- If chemical cleaners are used for other parts of the lavatory, ensure that the faucet is protected from potential contact from those cleaners.