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# WAIT

# Read Important Info – Prior to Installation

Please take a few minutes to get familiar with the overall process to help minimize difficulties and expedite a successful installation.

This faucet uses the same principles as electromagnetism, turning the spout itself into the sensor. The key to this faucet working flawlessly is to isolate the spout from any metals that will carry the magnetic field or anything that may carry electric current and interfere with its operation. Sonoma Forge recommends that all metals, including mirrors, are at least a 6-12” radius around the spout and black sensor line.

Proper installation requires the ability to follow directions. We will focus on the electronics in these instructions because we assume that you are a trained plumber. Because of this newer concept of sensor faucets, we recommend taking digital photographs of the installation before the wall is closed. This will help troubleshoot any problems that may arise if the faucet does not function properly.

## SansHands with WherEver Wall Mount Faucet

Prior to hooking up the plumbing and electrical components, the spout should be installed in the wall (see Installation Instructions for WherEver Wall Mount for more). The difference with this system is the type of plumbing you will use from the back of the spout rough to the sensor box. Again, it is absolutely necessary to isolate the spout and it’s rough from all other metals in the wall system. Pex, ABS, or other type of non-metallic pipe should be used for at least 12” starting at the spout rough toward the sensor box.

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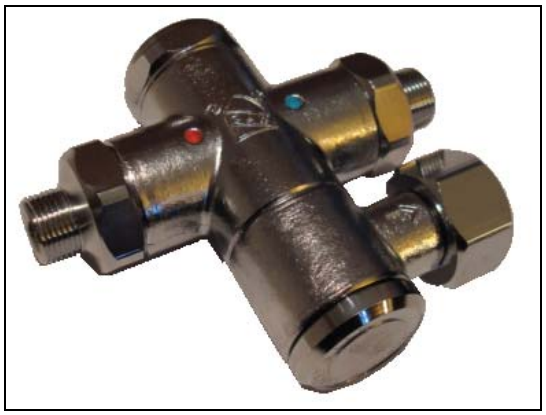
# SanHands Installation Instructions

**Step 1:** Attach the water supply hoses from the water stops to the Mixing Valve. (This valve is used to adjust water temperature so it should be accessible.)



**Step 2**: Locate where you want the Grey Sensor Module to be mounted. Attach the bracket, and slip the Module on to the bracket. The black switch on the side should be set to the full “auto” position.

**Step 3:** Attach the Sensor Module to the mixing valve. (Lower connection)
(Be cautious to make sure that the sensor module is pointing in the direction of the water flow.)

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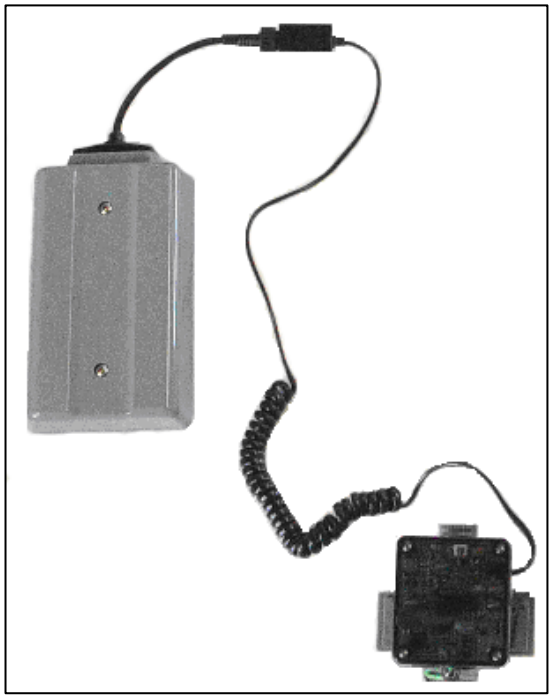
**Step 5:** Install the hose clamp with terminal connector supplied in the kit, on to the elbow (not supplied) that supplies the spout nipple. Make sure that there is a good, tight contact between the clamp and the brass. This line carries the sensor's signal.

**Step 6:** Attach the straight (non-coiled) black wire from the sensor box to the terminal connector attached to the spout's supply. (example shown to the right).
Important: Use the supplied wire connection only. Do not cut or attempt to splice wire for a longer length. Sensor system has a limited range which is pre-determined by the wire length.
Cutting this wire will void the warranty.



**Step 8:** Mount the Grey Battery Pack supplied. It can be mounted in any position. Mounting holes inside are exposed by opening up the battery pack. It can also be mounted using heavy-duty double sided tape. AC adapters are also available.

Note: Do not install batteries at this time.

**Step 9:** Connect the coiled wire from the sensor box to the battery pack.

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**Step 10:** To complete the electrical circuit, you must now ground the Sensor Module. Find the green and yellow wire with a hose clamp at one end. Attach this clamp/wire firmly to the cold water supply, behind the angle valve. This must have contact to the copper line and not just chrome assembly (important for establishing good ground). Attach the other end to either of the brass connector tabs located on the side of the grey sensor box.
Note: For applications using plastic supply pipe, such as PVC, one must install a grounding rod to accomplish sufficient earth ground. (See picture below – clamp on water stop not shown).

**Step 11:** Install the batteries into the battery pack. (4 "D" Alkaline Batteries – not included) Use only high quality brand name batteries. Make sure they have never been dropped as this causes damage to the battery and decreases its lifespan.

**Step 12:** Before you turn on the water hit the reset button located on the face of the Sensor Module. The button is a round piece of rubber. You will hear the box click, indicating that the Module has been reset. Wait at least 30 seconds before continuing.

If you have made your connections correctly, the LED light will blink once every 8 seconds. Place your hands near the spout and you will hear the box click on, and then click off after removing your hands. If you do not hear the click, please review your installation.

**Step 13:** You can now turn on the water and adjust the mixing valve to the desired temperature.

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**Troubleshooting: Common installation errors preventing the SansHands from working properly.**

If the light blinks every four seconds, then the circuit is not complete and you will need to establish a better ground to earth.

If metal (including mirrors) is near the spout circuit or the support for the spout, it will short out the circuit. In addition, where metal basins (vessels) are used, an additional ground wire is necessary to the tailpiece of the drain. This is included in the kit.

Use only name brand batteries to ensure long lifespan. It is important that they never be dropped, as this can cause failure or severely decrease their lifespan. Changing batteries and/or making sure they are installed correctly should be the first remedy tried.

Double check that the supply to the spout is NOT stainless steel or other metallic hose.

If the LED light blinks nonstop, the sensor system is connected incorrectly. Start over.

**Other Information:**

On the side of the Grey Sensor Module, there is a black switch with the words “Open” and “Auto” written above/below. The “Auto” setting is the correct position for normal usage. The “Open” setting is for Institutional Use Only, which allows flushing of the line if needed.

Electrical lines in the wall emit an electrical pulse, no matter how insulated it is. It is advised to keep these as far as possible away from the spout and black sensor wire.

Remember that the key to a flawless installation is complete isolation of the sensor, which in this case is the spout, from any metals or anything that could be carrying electrical current.

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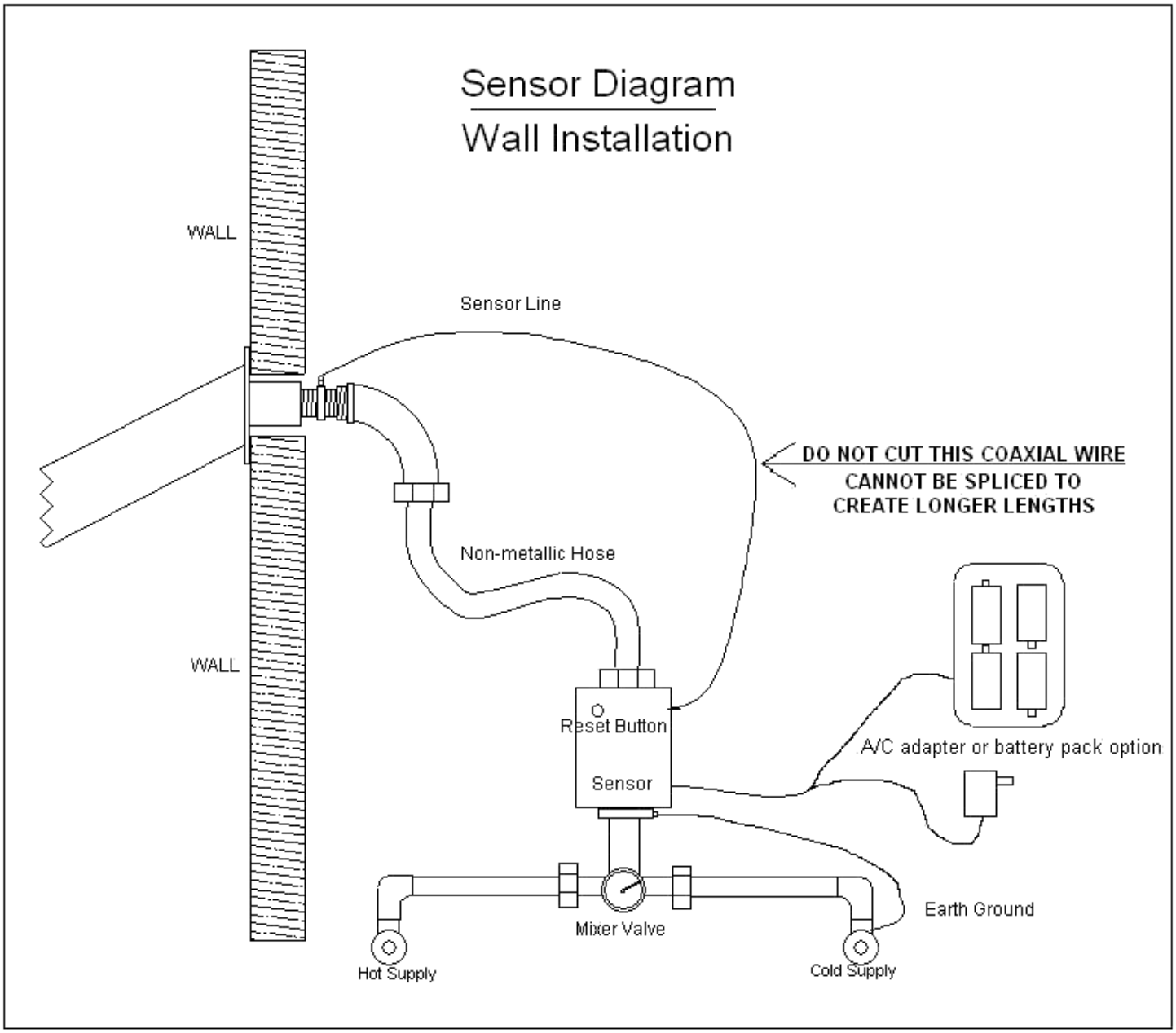


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