

# Installation Instructions

## Electronic Wall-Mount Faucet

Record your model number:

Noter le numéro de modèle:

Anote su número de modelo: \_\_\_\_\_

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**KOHLER®**

# Thank You for Choosing KOHLER

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Need help? Contact our Customer Care Center.

- USA/Canada: 1-800-4KOHLER (1-800-456-4537) Mexico: 001-800-456-4537
- Service parts: [kohler.com/serviceparts](https://www.kohler.com/serviceparts)
- Care and cleaning: [kohler.com/clean](https://www.kohler.com/clean)
- Patents: [kohlercompany.com/patents](https://www.kohlercompany.com/patents)

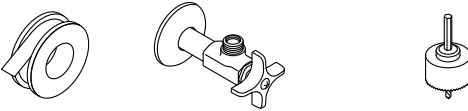
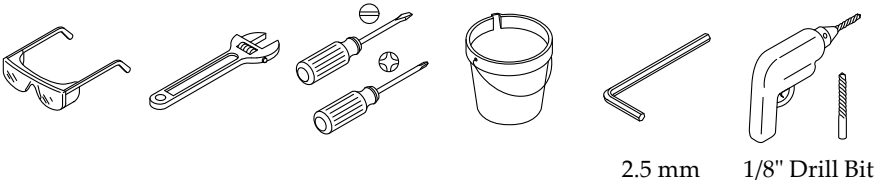
## Warranty

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This product is covered under the **KOHLER® One-Year Limited Warranty**, found at [kohler.com/warranty](https://www.kohler.com/warranty). For a hardcopy of warranty terms, contact the Customer Care Center.

# Tools

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Sealant Tape   3/8" Supply Stop   1-1/4" to 1-1/2" Hole Bit

## Plus:

- Wire Fasteners
- Woodworking Tools
- Pipe Fitting Tools
- Wood Screws
- 2x4s
- PVC Tubing

# Before You Begin

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**WARNING:** When using electrical products, basic precautions should always be followed, including the following:



**DANGER:** Risk of electric shock. Connect only to a circuit protected by a Ground-Fault Circuit-Interrupter (GFCI)\*.



**WARNING:** Risk of electric shock. Grounding is required. A qualified electrician should make all electrical connections.



**WARNING:** Risk of electric shock. Disconnect the power before servicing.



**WARNING: Risk of injury or property damage.** Read all instructions thoroughly before beginning installation.



**CAUTION: Risk of fresh water contamination.** This faucet contains backsiphonage protection. To prevent water contamination, do not remove any internal components.



**CAUTION: Risk of product damage.** This product contains sensitive electronic components. Do not store open containers of chemical or cleaning products near this product. Cleaning rags or sponges must be rinsed with fresh water before storage.

\*Outside North America, this may be known as a Residual Current Device (RCD).

Provide a constant unswitched 120 VAC electrical outlet located below the sink within 5' (1.5 m) of the control box.

Follow all local plumbing and building codes.

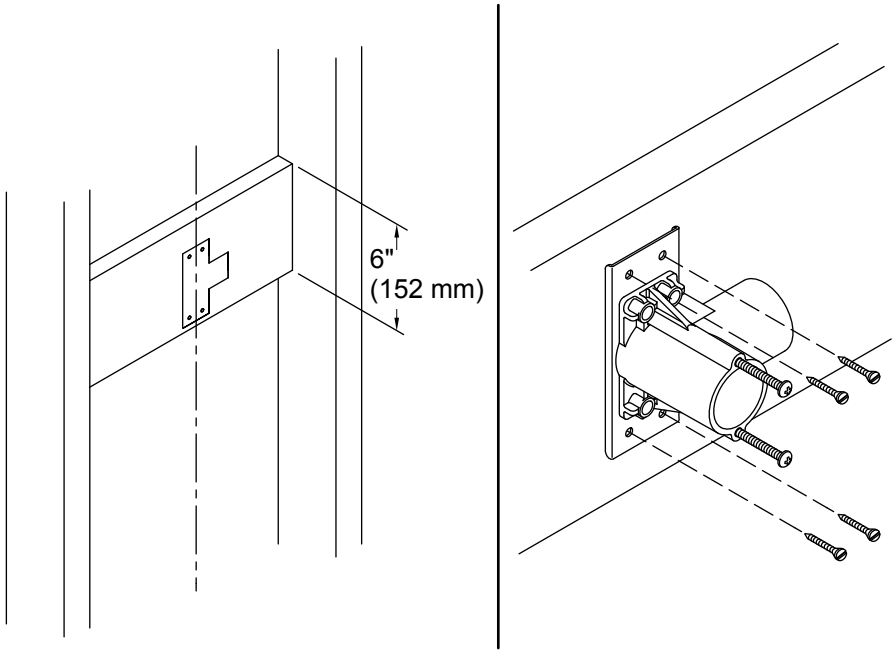
Turn OFF the water supplies.

For new installations, install the faucet and drain to the sink before installing the sink.

For installation with a mixing valve, two 3/8" compression supply hoses are required.

# 1. Install the Mounting Bracket

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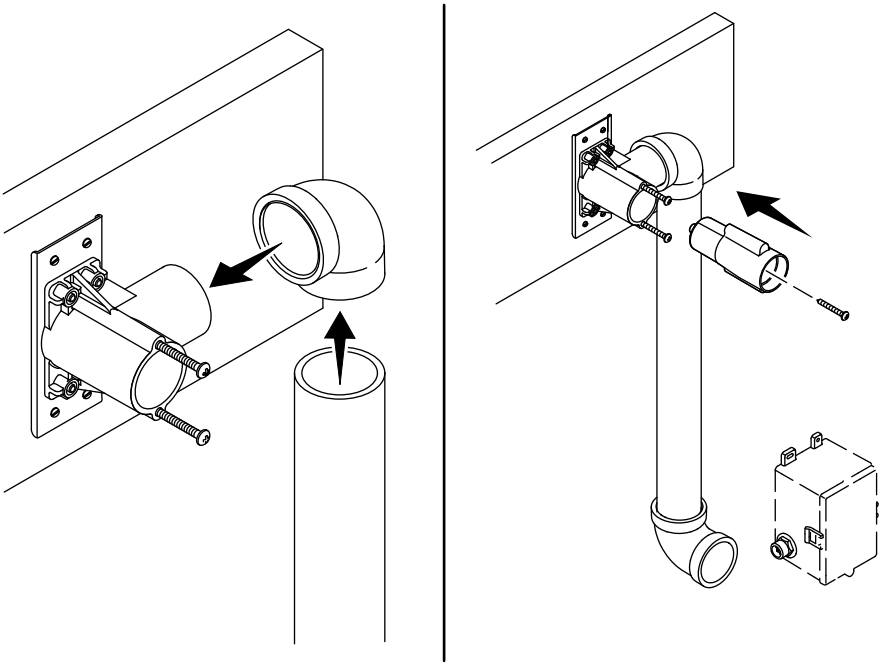
**IMPORTANT!** Verify that the location of the valve is correct before securing the valve in place. The centerline of the drain and faucet should be in line with each other.

**IMPORTANT!** Your faucet model may have different framing requirements other than those shown. Refer to the Specification Sheet for your faucet model.

- Construct the framing for your installation.
- Secure the mounting bracket to the framing using four wood screws.

## 2. Install Tubing (Recommended)

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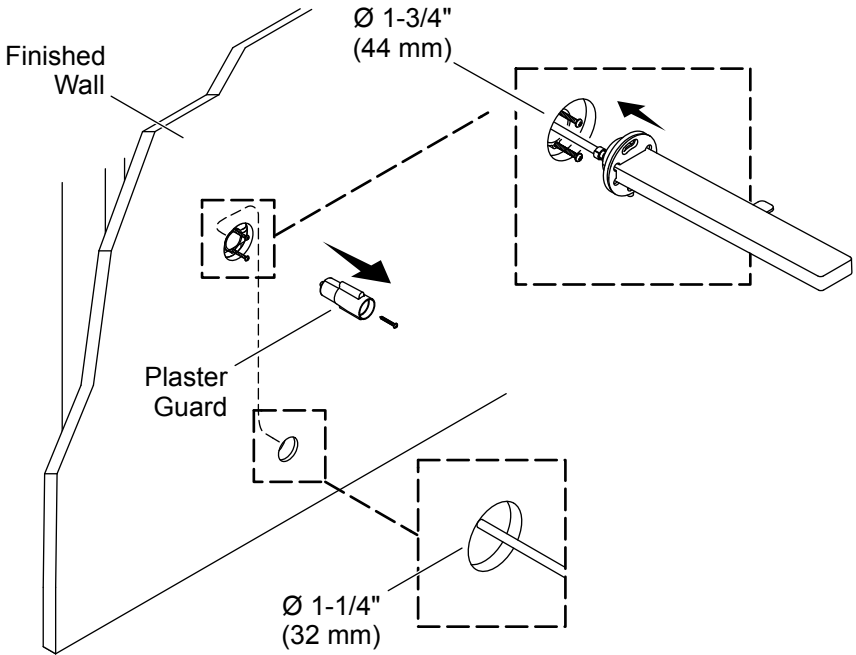
**NOTE:** Tubing (not provided) can be attached to the mounting bracket to route the cables and the spout tube to the control box. PVC fittings (not provided) are recommended.

**NOTE:** Refer to the Specification Sheet to determine the control box installation location.

- Connect a 90-degree elbow and a straight tube to the mounting bracket as shown. Verify that the tube is long enough to reach the control box.
- Connect another elbow to the end of the tube at the control box installation location.
- Install the plaster guard with the screw.

### 3. Route the Cables and Tube

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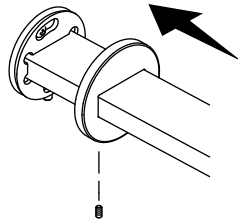
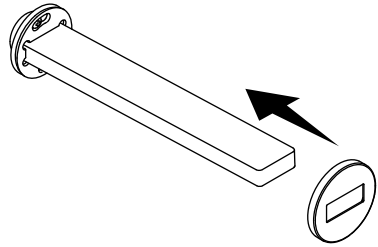
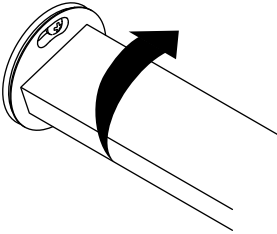
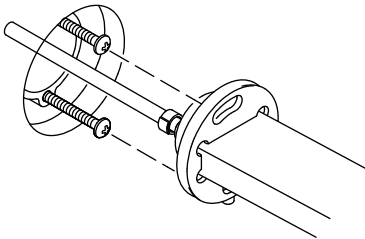


**NOTE:** Refer to the Specification Sheet to determine the control box installation location.

- Finish the wall with a 1-3/4" (44 mm) hole for the spout and a 1-1/4" (32 mm) hole for the sensor cables.
- Remove the plaster guard.
- Guide the sensor cables and tube from the spout through the mounting bracket and down to the hole for the control box.
- Take care to avoid kinking or damaging the cables and tube.

## 4. Install the Spout

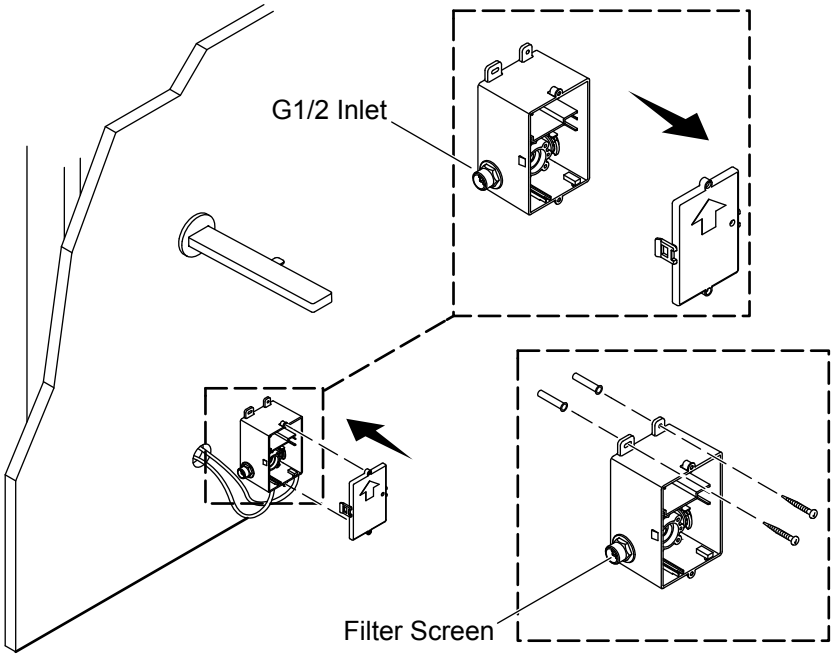
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- Position the keyholes on the spout over the screwheads on the mounting bracket. Loosen the screws if needed.
- Align the spout by rotating clockwise.
- Tighten the screws to secure the spout to the mounting bracket.
- Remove the setscrew from the wall plate.
- Slide the wall plate over the spout until flush with the wall. Take care not to damage the finish.
- Secure the wall plate with the setscrew.

## 5. Install the Control Box

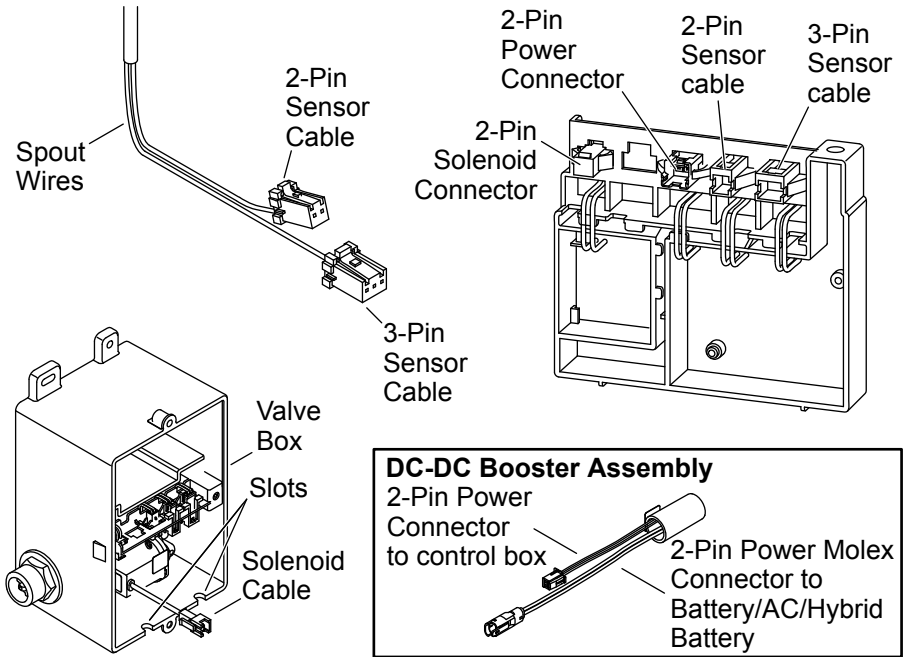
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**NOTE:** Verify that the flex hose can be connected to the supply stop and the control box inlet before installing the control box to the wall.

- Position the control box next to the hole for the spout tube and sensor cables.
- Drill 1/8" (3 mm) pilot holes.
- Use the standard wall anchors (provided) depending on your wall material.
- Attach the control box to the wall with the arrow pointing upward. Secure with the two screws (provided).
- Unthread the control box screws to remove the cover.

## 6. Connect the Control Box

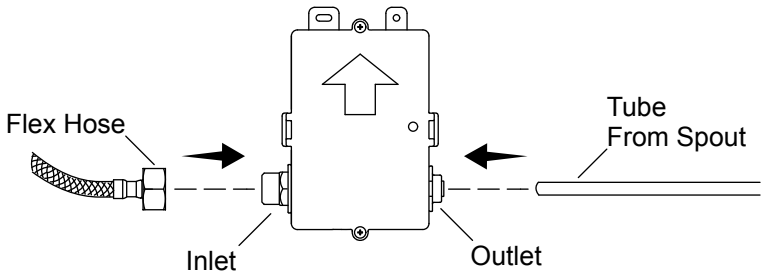
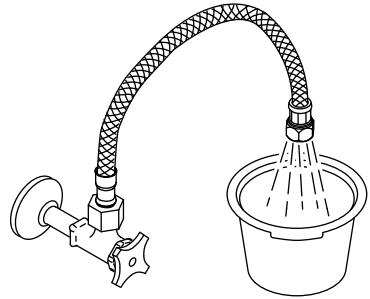
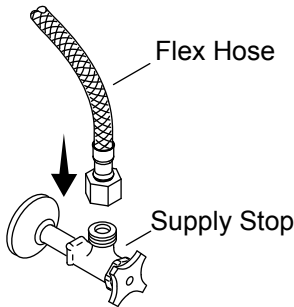


**IMPORTANT!** The control box and cover have slots for the sensor cables. Use care not to pinch the sensor cables when installing the cover.

- Connect the 2-pin power connector (white) from the DC-DC booster assembly to the 2-pin power connector (white) of the control box.
- Connect the 3-pin sensor cable from the valve cover to the 3-pin sensor cable from the spout (red, white, and green cables).
- Connect the 2-pin sensor cable from the valve cover to the 2-pin sensor cable from the spout (orange and black cables).
- Guide the sensor cables through the slots in the control box.
- Loosely secure the cover to the control box for future access.

## 7. Connect the Supplies

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### Inlet Connections

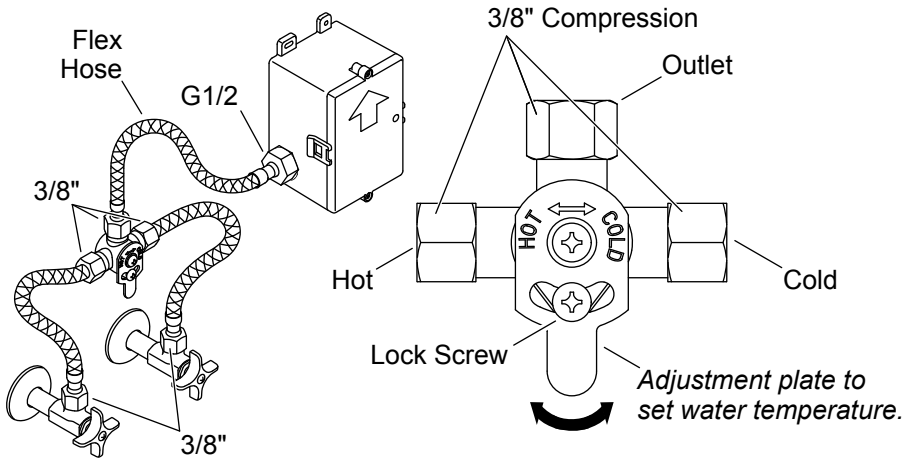
- Connect the flex hose to the supply stop.
- Place a bucket under the supply stop and turn ON the water supply.
- Slowly open the supply stop to flush debris.
- Turn OFF the water.
- Connect the provided flex hose from the supply stop to the control box.

### Outlet Connections

- Verify that the tube from the spout is the appropriate length to reach the control box. Cut the tube if necessary. Remove any burrs and sharp edges.
- Insert the tube into the fitting (control box outlet end) until the tube stops.
- Verify that the tube is secure.

## 8. Install the Mixing Valve (If Included)

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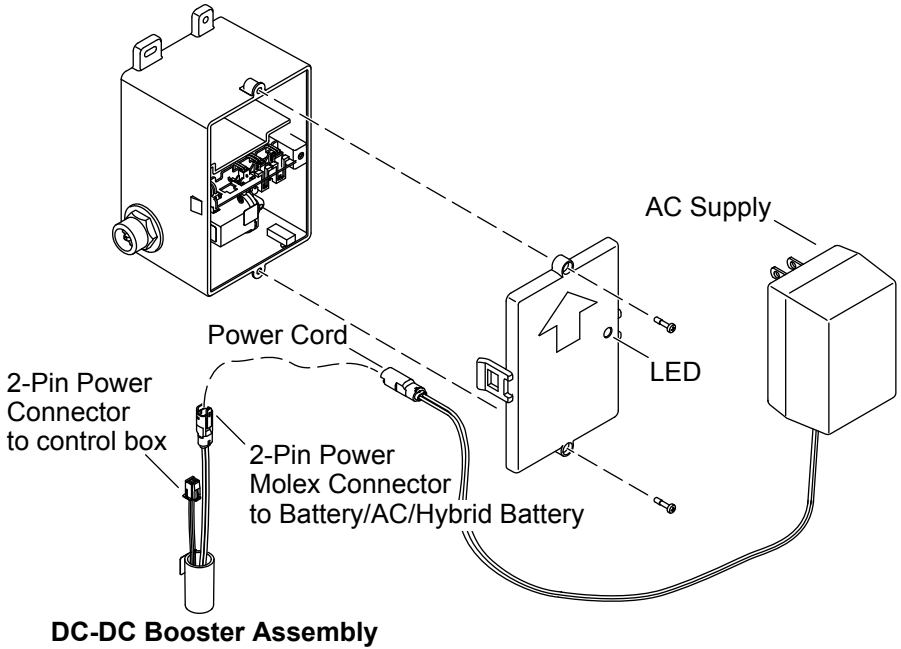
- If a mixing valve is included with your product, connect the flex hoses as shown.
- Attach the provided flex hose to the control box inlet and the outlet of the mixing valve.
- Use a 3/8" compression connection (not provided) to attach the cold supply to the cold inlet on the mixing valve (marked cold on the adjustment plate).
- Use a 3/8" compression connection (not provided) to attach the hot supply to the hot inlet on the mixing valve (marked hot on the adjustment plate).

### Temperature Adjustment

- Loosen the lock screw on the adjustment plate.
- Rotate the adjustment plate to adjust the temperature.
- Retighten the lock screw.

## 9. Install the AC Single Supply

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**IMPORTANT!** Verify that you are following the correct power system installation based on your model number. For a multi-output AC supply power unit installation, refer to "Install AC Multi-Output Supply". For a hard wire power installation, refer to "Hard Wire Installation".

**IMPORTANT!** Use care not to pinch the tube or cables when installing the cover.

**IMPORTANT!** The area in front of the sensor must be free of objects during the 2 minute learning cycle or the faucet may not function properly.

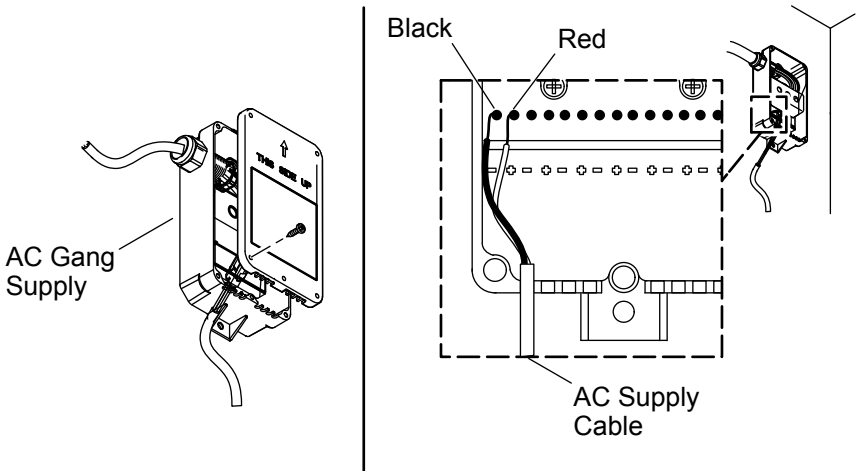
**NOTE:** When the faucet is initially connected to an AC or DC power source, the LED will flash to indicate the sensor detection range is auto-adjusting.

- Unthread the control box screws to remove the control box cover.
- Connect the power cords.
- Plug the AC supply into the wall outlet.
- Secure any excess wire under the deck.

- Secure the control box cover to the control box.
- Allow 2 minutes for the sensor to cycle through the automatic sensing distance.

## 10. Install the AC Multi-Output Supply

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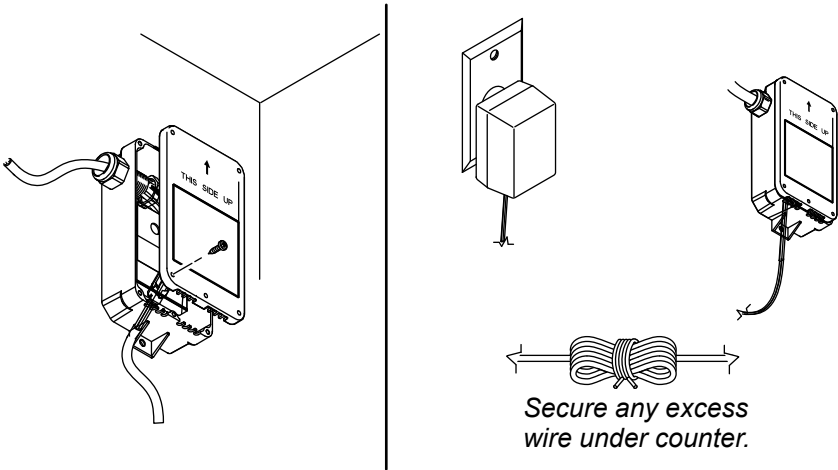
**IMPORTANT!** The area in front of the sensor must be free of objects during the 2 minute learning cycle or the faucet may not function properly.

**NOTE:** If a hard wired installation is required, refer to "Hard Wire Installation".

- Mount the AC supply under the deck using the two screws provided. Orient as shown.
- Remove the cover.
- Connect the faucet wire to the faucet. Maintain a drip loop when connecting.
- If needed, cut and strip the AC supply wires to length.
- Connect the stripped ends to the bottom terminal block in the supply box.
- Secure the terminal box cover to the terminal box.
- Plug the AC supply into an unswitched 120 VAC electrical outlet.
- Secure any excess wire under the deck.
- Allow 2 minutes for the sensor to cycle through the automatic sensing distance.

# 11. Hard Wire Installation

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**⚠ WARNING: Risk of electric shock.** Disconnect the power before performing the following procedures.

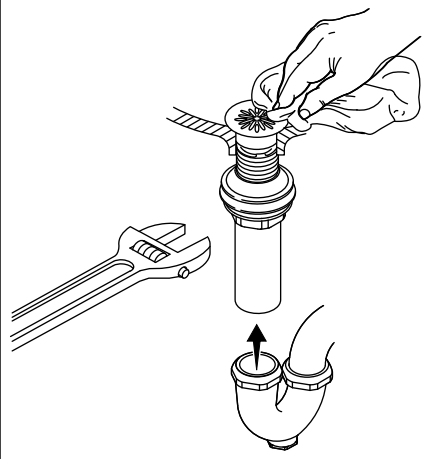
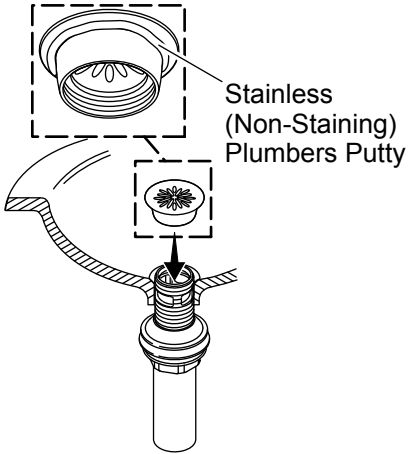
**IMPORTANT!** The area in front of the sensor must be free of objects during the 2 minute learning cycle or the faucet may not function properly.

**NOTE:** If a hard wired installation is required, the strain relief may need to be replaced depending on the wire used.

- Loosen the terminal block screws and remove the wires from the top terminal block.
- Loosen the outside nut of the strain relief and remove the power cord.
- Insert the supply wires through the strain relief and connect to the top terminal block.
- Tighten the nut on the strain relief.
- Secure the terminal box cover to the terminal box.
- Turn ON the AC supply power.
- Secure any excess wire under the deck.
- Allow 2 minutes for the sensor to cycle through the automatic sensing distance.

## 12. Install the Drain

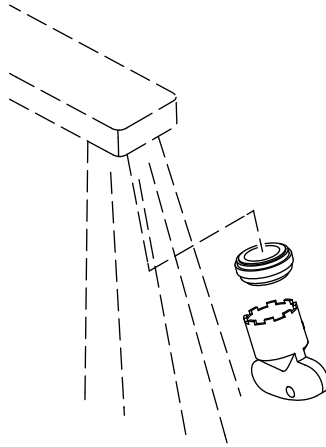
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- Disassemble the drain.
- Apply plumbers putty to the underside of the flange and attach.
- Apply thread sealant tape to the drain pipe threads. Tighten the nut.
- Connect the trapway. Wipe away excess plumbers putty.

## 13. Complete the Installation

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**NOTE:** Avoid the area in front of the sensor for 2 minutes after connections are complete. The sensor will not function correctly if activated in the first 2 minutes. Disconnect and reconnect the power to reset the sensor.

- If applicable, uncover the drain.
- Temporarily cover the sensor on the faucet or turn OFF the water supplies.
- Using the provided key, install the aerator to the spout.
- Uncover the sensors on the faucet or turn ON the water supplies.
- Activate the faucet and check all connections for leaks. Make adjustments as needed.
- Run water through the spout for 1 minute. Check for leaks and make adjustments as needed.

# Troubleshooting

This troubleshooting guide is for general aid only. For service and installation issues or concerns, call 1-800-4KOHLER.

Symptoms	Probable Cause	Recommended Action
1. No water flow.	<p><b>A.</b> The supply stops are turned OFF.</p> <p><b>B.</b> No power supply or wrong connection.</p> <p><b>C.</b> Object in sensing range.</p> <p><b>D.</b> the sensor lens is dirty.</p> <p><b>E.</b> The filter screen is plugged.</p>	<p><b>A.</b> Turn ON the supply stops.</p> <p><b>B.</b> Check the power supply and connection.</p> <p><b>C.</b> Remove the object.</p> <p><b>D.</b> Wipe the sensor lens with a damp soft cloth. Wipe dry with a dry soft cloth.</p> <p><b>E.</b> Remove and clean the filter screen.</p>
2. Low flow.	<p><b>A.</b> Supply pressure is low.</p> <p><b>B.</b> The aerator is plugged.</p> <p><b>C.</b> The filter screen is plugged.</p>	<p><b>A.</b> Check incoming water pressure. Pressure should be at least 20 psi (137 kPa).</p> <p><b>B.</b> Remove and clean the aerator. For calcium/mineral deposits, soak the aerator plastic insert in a 50:50 mixture of vinegar and water. Soak only the insert and no other components.</p> <p><b>C.</b> Remove and clean the filter screen.</p>
3. Constant water flow.	<p><b>A.</b> Solenoid is not working.</p>	<p><b>A.</b> Order and install a new solenoid assembly.</p>
4. Constant steady drip from the faucet.	<p><b>A.</b> The solenoid diaphragm is damaged.</p>	<p><b>A.</b> Order and install a new solenoid diaphragm.</p>

Symptoms	Probable Cause	Recommended Action
5. Intermittent activation.	<p><b>A.</b> The faucet is angled incorrectly to the deck or misaligned with the user area.</p> <p><b>B.</b> The wires are pinched or damaged.</p>	<p><b>A.</b> Verify that the faucet is mounted according to the installation directions. Verify that the faucet is installed in a position that is above the rim of the sink.</p> <p><b>B.</b> Remove the spout and verify that the wires are tucked inside the spout before reassembling.</p>
6. The sensor flashes once approximately every 2 seconds.	<p><b>A.</b> The AC connection is not installed correctly.</p>	<p><b>A.</b> Reconnect the AC transformer connection.</p>

## Compliance

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This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This Class B digital apparatus complies with Canadian ICES-003.