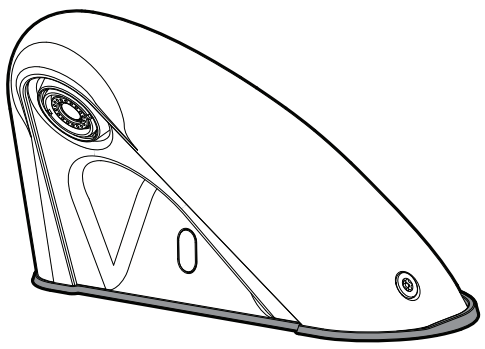
SPEAKMAN®

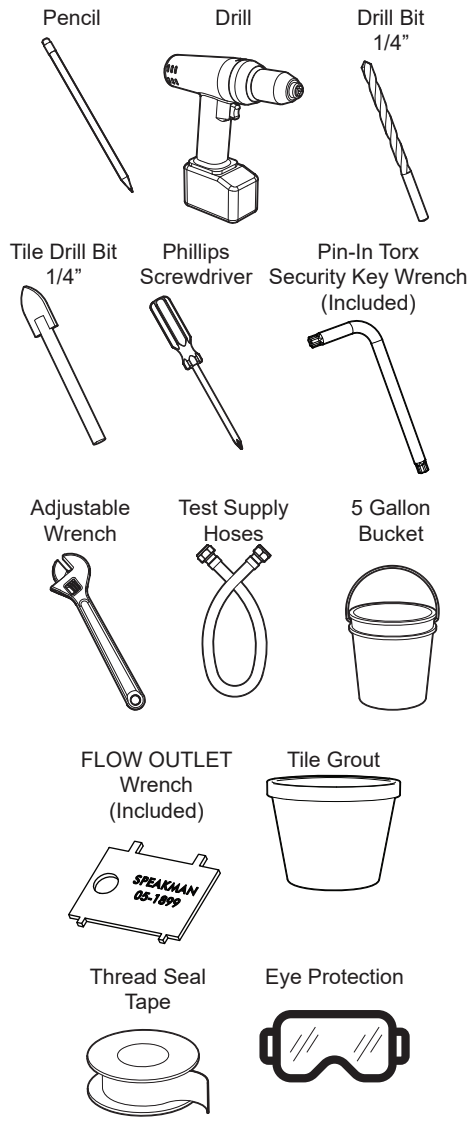
INSTALLATION INSTRUCTIONS

SAL-5300
Sensorflo®
Anti-Ligature Sensor Faucet



92-SAL-5300-01

TOOLS & SUPPLIES NEEDED



IMPORTANT

SAFETY TIPS:
Be sure to read and understand all instructions before beginning installation.

Inspect all connections after installation.

Cover the drain to avoid loss of parts.

Be sure to wear proper eye protection.

Do NOT over tighten any connections or damage may occur.

Shut OFF water supplies before beginning installation.

Observe all local plumbing and building codes.

This faucet should be mounted with its’ back adjacent to a wall. This product would not be safe if it is accessible from the back side. All plumbing under the sink is not anti-ligature protected and should be in a separate enclosure or cabinet (*not supplied*)

Sensor Faucets are very sensitive to impurities within a water supply that may lead to poor performance or malfunction.

This faucet’s two Inlet Hoses contain Mesh Screen Filters. These filters should be cleaned periodically to prevent clogging of the filters and cause poor performance of the faucet.

If you are in an area with poor water quality, it is recommended to install a secondary in-line filtration system. This in-line filtration system should be installed upstream (before) the inlets of the Sensor Faucet.

WAIVER DISCLAIMER

This waiver-disclaimer is attached to and made part of the written contract to purchase these products for use in psychiatric and correctional facilities. Such fixtures and products are purchased to reduce the risk of self-imposed death or injury to patients or clients in such facilities, but are NOT represented as able to prevent such death or injury.

Speakman Company as the seller and manufacturer of these products have not, and will not represent or warrant to the purchaser shown in this contract (”Purchaser”) that its fixtures and products will prevent death or injury in any case whatsoever.

Speakman Company makes no expressed or implied warranty with respect to the preventative quality of its products, but merely represents that the use of such products tends to reduce deaths and injuries by patients or clients who are subject to meticulous screening processes and diligent supervision on the part of the facility housing them.

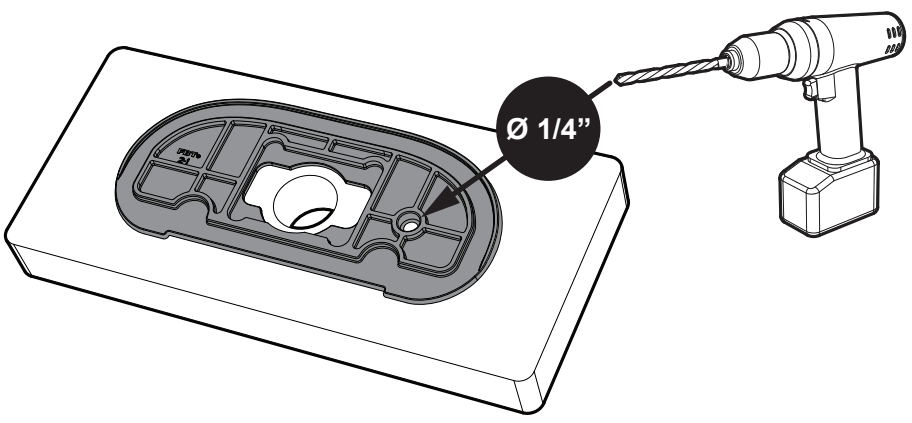
Purchaser acknowledges the foregoing disclaimer and waives any and all claims against Speakman Company as to expressed or implied warranties of fitness for any purpose whatsoever.

NEED HELP?
For additional assistance or service please contact: 800-537-2107 www.speakman.com

SITE PREPARATION

1. Shut off water supplies. Remove old faucet. Clean mounting surface in preparation for installation of new Faucet.

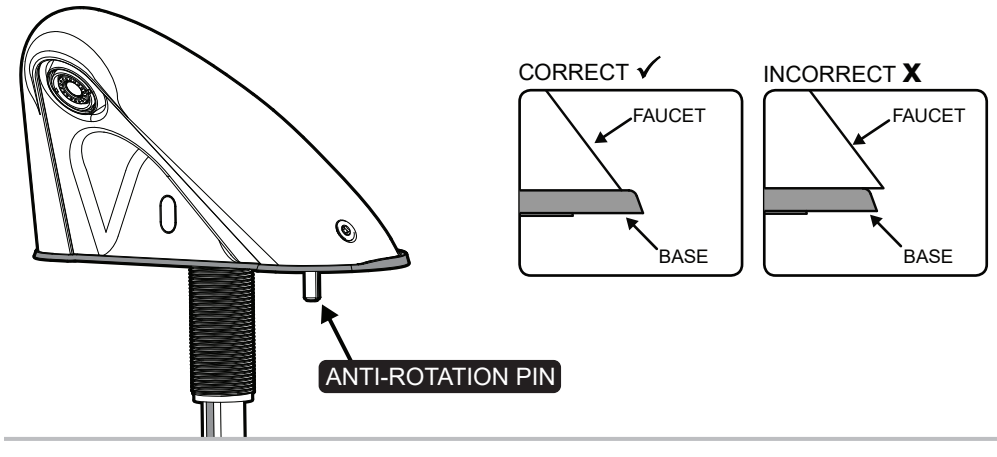
<u>RECOMMENDED</u>: If mounting location is a single hole mount, Remove Base Gasket from Faucet and place onto mounting location. Use this as a guide to mark and drill a Ø 1/4” hole in the mounting location. This hole will accept an anti-rotation pin.



PREPARE FAUCET FOR MOUNTING

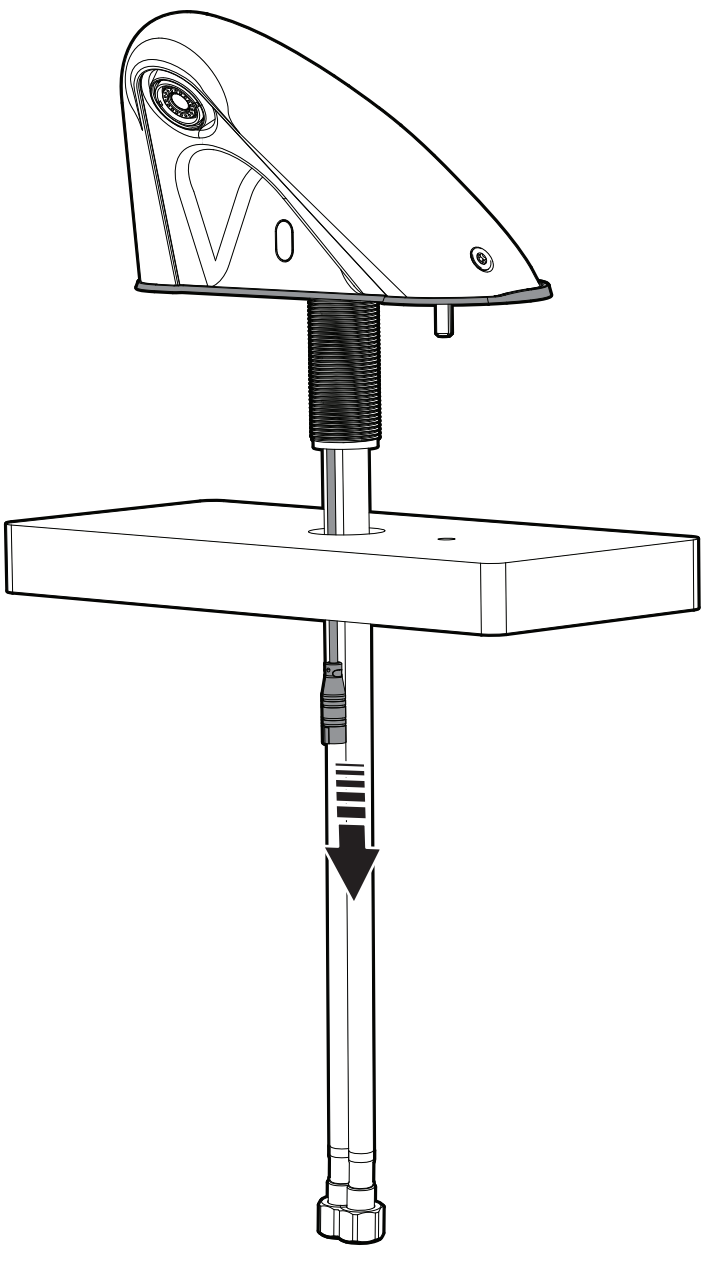
2. **<u>RECOMMENDED:</u>** Verify that the Anti-Rotation Pin is in position within the Faucet.

IMPORTANT!
Faucet is designed to be installed on a DECK with a Flat Surface. When tightening down the faucet be certain the rear of the faucet is nested down in the plastic base plate and not sitting on top of the rear of the plastic base plate.



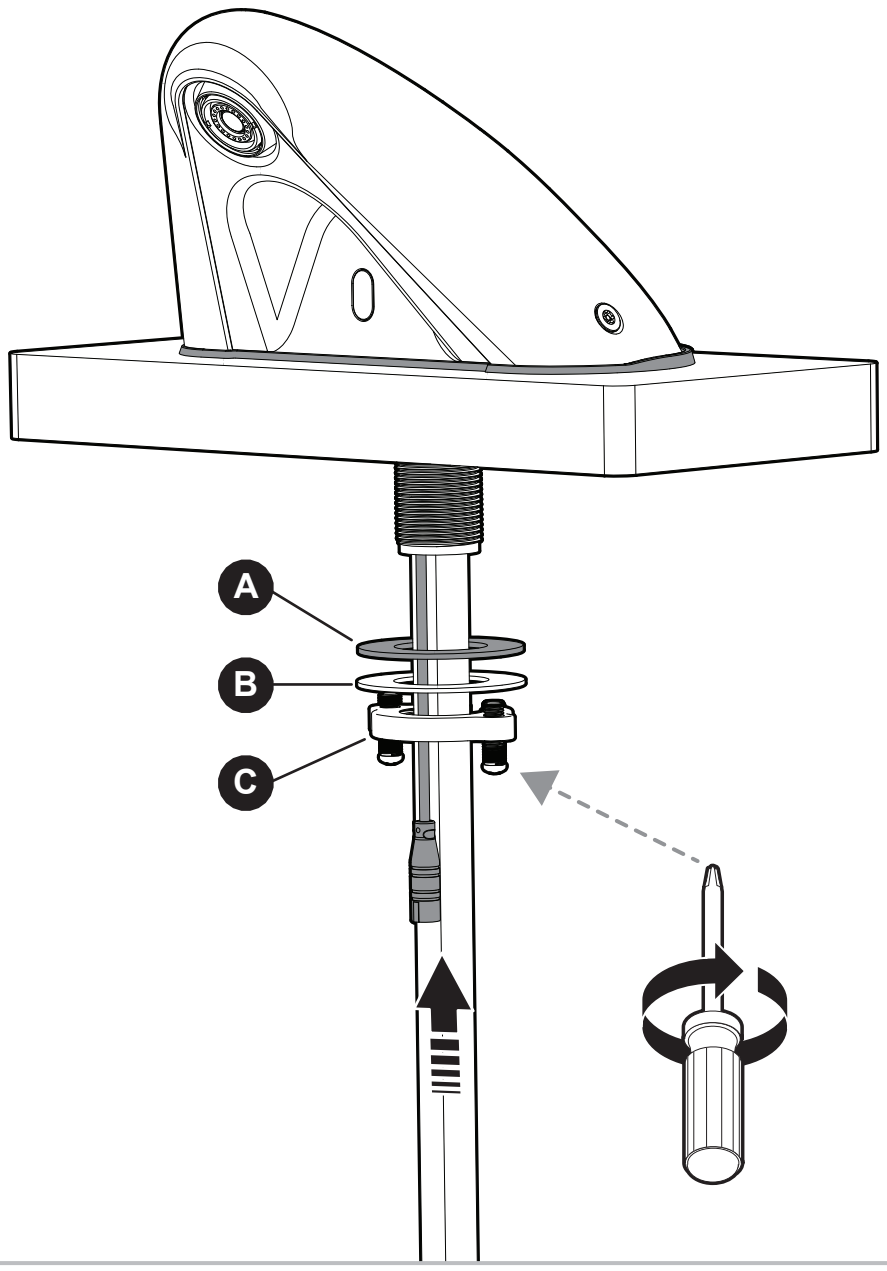
PLACE FAUCET IN POSITION

3. Place Faucet Supply Lines and Power Cord through Base Gasket, and guide them through hole in mounting surface. Place Faucet and Base Gasket into final mounting position, being sure the Mounting Gasket is perfectly flush to the mounting surface.



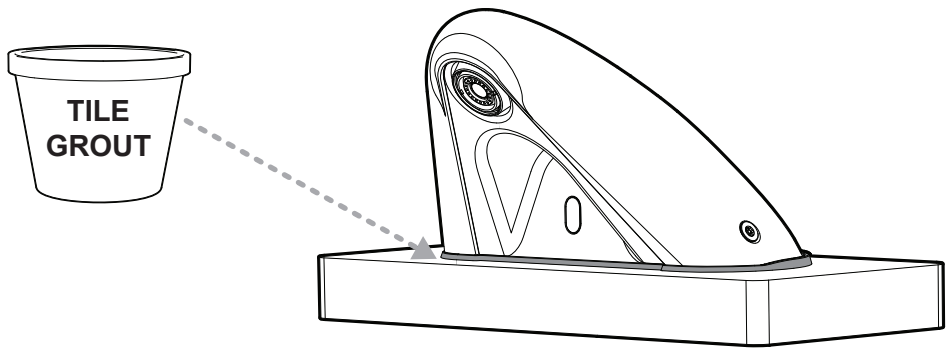
SECURE FAUCET

4 From Below, install Rubber Washer (A), Metal Washer (B), and Mounting Nut (C). Position Hoses and Power Cable through Hardware and align Hardware to Faucet Shank. Verify correct position of the Base Gasket as outlined in STEP 2. Snug Mounting Nut into position. Final tighten using a Phillips Screwdriver on the Mounting Nut Screws (C).



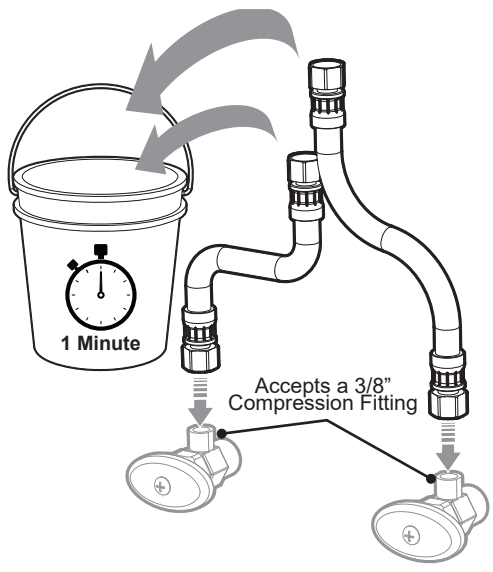
GROUT FAUCET TO MOUNTING SURFACE

5 Inspect area between the base of the faucet and the mounting surface. If any gaps remain after tightening faucet, fill them with tile grout.



FLUSH WATER SUPPLY

6 Use an extra set of Supply Hoses connected to the Supply Valves to flush the system prior to connecting Faucet Inlet Hoses. Flush both COLD supply and HOT supply for 1 minute each



IMPORTANT

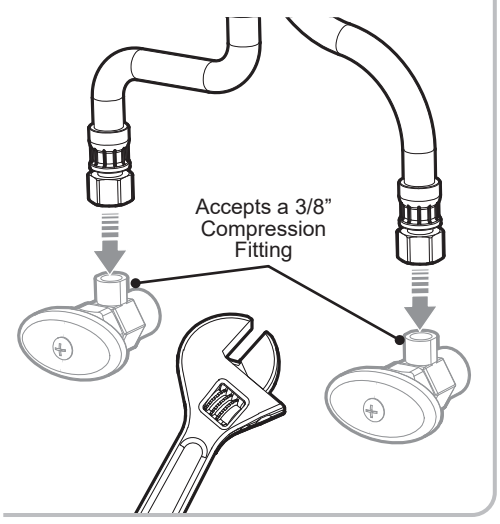
Sensor Faucets are very sensitive to impurities within a water supply that may lead to poor performance or malfunction.

This faucet's two Inlet Hoses contain Mesh Screen Filters. These filters should be cleaned periodically to prevent clogging of the filters and cause poor performance of the faucet.

If you are in an area with poor water quality, it is recommended to install a secondary in-line filtration system. This in-line filtration system should be installed upstream (before) the inlets of the Sensor Faucet.

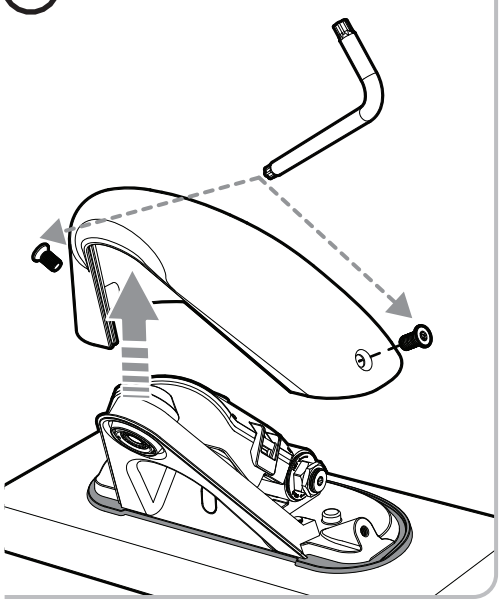
MAKE WATER CONNECTIONS

7 Make connections to water supplies. The inlet threads of the faucet are 9/16"-24 UNEF and will accept a 3/8" Compression Fitting. HOT and COLD hoses are clearly marked. Wrench Tighten.



REMOVE FAUCET COVER

8 Using the included Security Key Wrench, remove the Faucet Cover.

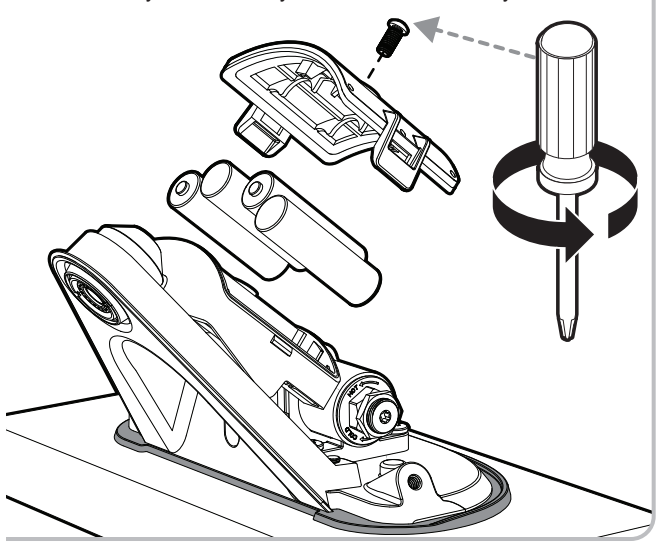


IMPORTANT

Before applying Battery or AC power to the Faucet, ensure the area in front of the Faucet is clear of objects. The Sensor within the Faucet self calibrates upon initial power up.

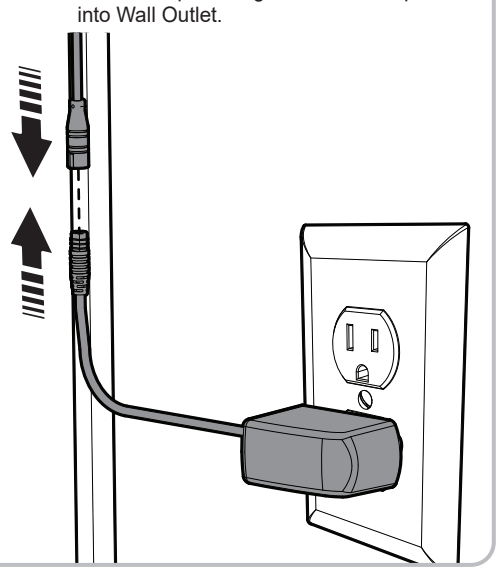
BATTERY POWER CONNECTION

9 If choosing a Battery Power installation, remove Battery Cover using a Phillips Screwdriver. Install 4 AA batteries (included) into Battery Case. Take care to orient Batteries correctly within Battery Case. Reinstall Battery Cover.



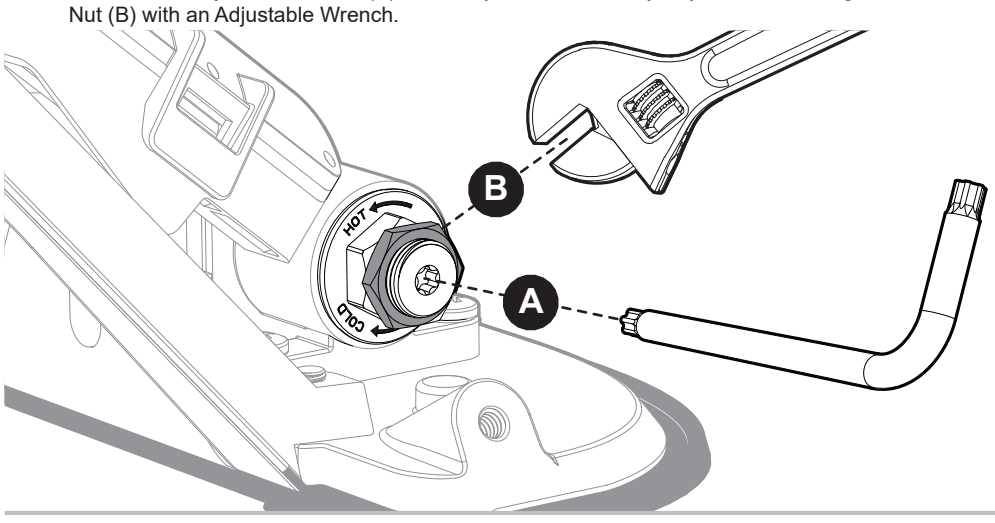
AC POWER INSTALLATION

10 If choosing an AC Power installation, from below connect the Power Plug to AC Power Adapter. Plug AC Power Adapter into Wall Outlet.



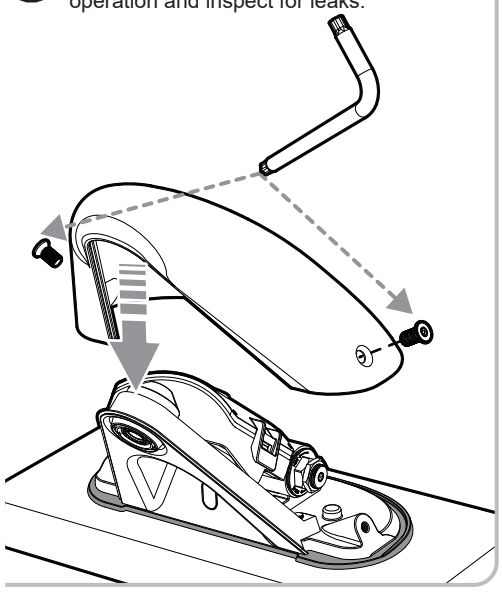
TEMPERATURE ADJUSTMENT

11 With the Faucet Cover removed, place the provided Security Key Wrench into the Adjustment Screw (A). While holding the Key Wrench stationary, loosen the Jam Nut (B) with an Adjustable Wrench. Rotate Adjustment Screw (A) Clockwise to reduce outlet temperature. Rotate Adjustment Screw (A) Counterclockwise to increase outlet temperature. Once desired outlet temperature is set, hold the Adjustment Screw (A) stationary with the Security Key Wrench, and tighten the Jam Nut (B) with an Adjustable Wrench.



INSTALL FAUCET COVER

12 Using the included Security Key Wrench, reinstall the Faucet Cover. Test for proper operation and inspect for leaks.



MAINTENANCE

1. Your SENSORFLO® Faucet is designed and engineered in accordance with the highest quality and performance standards. With proper care, it will provide years of hygienic and trouble-free service.
2. Periodically, the Faucet will require some minor maintenance to keep it at peak performance. There is a low battery indicator light. When the low battery light on the Sensor blinks, it indicates that the battery power is low. The Solenoid can still function at this point. When the low battery light on the Solenoid blinks more rapidly, the batteries need to be replaced immediately. To replace the batteries, follow the installation instructions in the electrical connections section of this document.
3. Periodically clean the In-Line Filter.
4. The finish of your Faucet should be cleaned using mild soap and warm water. Dry immediately with a soft, clean cloth for best results.
5. NEVER use abrasive cleaners, chemicals, alcohol or other solvents. They may damage the surfaces of the non-chrome plated finishes.

PRODUCT WARRANTY

For additional information please go to www.speakman.com.

CALIFORNIA PROPOSITION 65

CALIFORNIA PROPOSITION 65:
WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.
Wash hands after installation, repair, or removal of this product.

FREQUENTLY ASKED QUESTIONS

HOW DOES THE SENSORFLO® FAUCET WORK?

- It uses IR technology. The Sensor emits a non-visible beam of light. When an object enters the detection area, the Sensor signals the Solenoid Valve to open for water to flow. When an object leaves the detection area, the Sensor signals the valve to close.

IS THE SENSORFLO® FAUCET SENSOR BEAM ADJUSTABLE?

- No, the Sensorflo® Faucet sensor beam is not adjustable. It has been factory set to factory specifications for these Faucets.

DOES THE SENSORFLO® FAUCET HELP WITH WATER CONSERVATION?

- The Sensorflo® design directly addresses water conservation. Water savings of up to 85% are not unusual. Additional energy savings are realized by conserving hot water

CAN THE WATER TEMPERATURE OF THE SENSORFLO® FAUCET BE ADJUSTED?

- Yes. The Faucet contains an integral thermostatic mixing devise that can adjust and set the outlet temperature.

THE CHROME FINISH ON MY FAUCET SEEMS TO BE DETERIORATING. WHAT CAN I DO TO PREVENT THIS FROM HAPPENING?

- Many commercial cleaning products contain harsh chemicals and abrasives. These products should not be used on any chrome-plated plumbing products. Please use only mild soap and water to clean the Faucet. Dry immediately with a soft cloth.

DOES THE SENSORFLO® SYSTEM SHUT OFF IMMEDIATELY WHEN AN OBJECT LEAVES THE SENSING AREA?

- A very short delay of approximately 0 to 1.5 seconds occurs before water is shut off.

IS THERE A WAY TO ADJUST THE FLOW OF WATER?

- The flow of water is predetermined by the outlet spray to provide the optimum flow.

IS MY FAUCET PROTECTED FROM POWER SURGES?

- Yes, Sensorflo® has been designed to have built-in power surge protection.

IF WE LOSE POWER, DO I HAVE TO DO SOMETHING TO GET THE FAUCET TO OPERATE AGAIN?

- After a power outage, the Faucet is automatically ready for operation as soon as the power comes back on.

TROUBLE SHOOTING

IF WATER FLOW FROM THE FAUCET DECREASES:

1. Verify the supply stops are open and retest for proper operation. If no increase in water flow, proceed to next step.
2. Turn OFF supply stops. Verify the In-Line Filters located in the Inlet Hoses are clear of debris. Remove filter screens and rinse with clean water. Reassemble, turn supply stops ON and check for proper operation.
3. Remove the Flow Outlet from the spout using the outlet wrench. Operate the Faucet with outlet device removed. If water flow is acceptable, disassemble the outlet device and rinse components with clean water.

IF NO FLOW OF WATER AND YOU CAN HEAR SOLENOID "CLICK":

1. Verify the supply stops are open and retest for proper operation. If no increase in water flow, proceed to next step.
2. If the Battery Light within the Sensor Eye or Solenoid blinks continuously, even when the Faucet is not in use, the batteries within the Faucet have low voltage and need replacement.
3. Verify that the In-Line Filters within the Inlet Hoses are clear of Debris. Remove and clean if necessary.

IF NO FLOW OF WATER AND YOU CANNOT HEAR SOLENOID "CLICK":

1. If the Battery Light within the Sensor Eye or Solenoid blinks continuously, even when the Faucet is not in use, the batteries within the Faucet have low voltage and need replacement.
2. Unplug connections to Solenoid for 2 minutes. Plug connections back in. The red light on the Sensor should turn on for several seconds before becoming operational. If not, check power supplies and connections.

IF BATTERIES HAVE BEEN REPLACED, BUT FAUCET DOES NOT OPERATE:

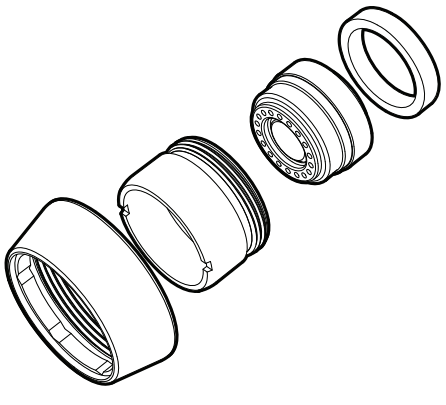
1. Verify proper installment of batteries. Make sure all electrical connections are fully inserted.

IF FAUCET ACTIVATES, BUT WILL NOT SHUT OFF:

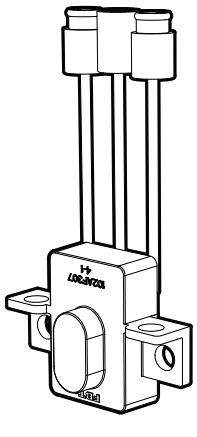
1. Hold a hand in front of the Sensor at up to 7" away for more than 1 minute until the water flow stops. Once the water stops, remove your hand and wait 10 seconds. Then place your hand in front of the Sensor and verify proper operation.
2. If the Faucet still does not shut off, cover the front of the sink with a towel. This will eliminate the potential of reflections activating the Sensor.

REPAIR PARTS

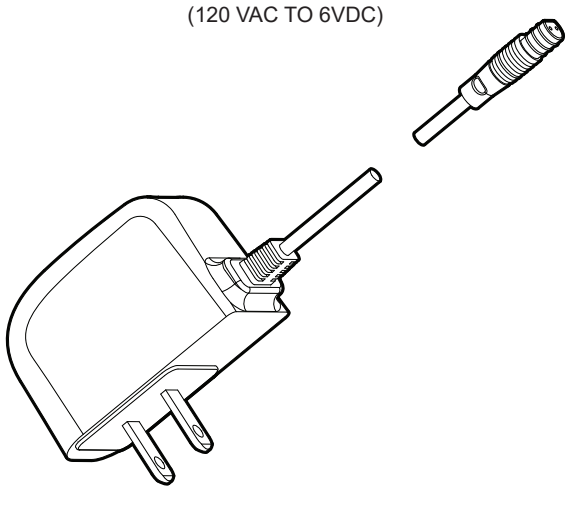
RPG05-121649
0.5 GPM SPRAY OUTLET ASSEMBLY



RPG76-121678
IR SENSOR MODULE



RPG76-107259
AC CONVERSION KIT (120 VAC TO 6VDC)



ROUGH-IN DIAGRAM

COMPLIANCE:

ASME A112.18.1/CSA B125.1
NSF/ANSI 61
NSF/ANSI 372
CEC
WATERSENSE
ADA COMPLIANT

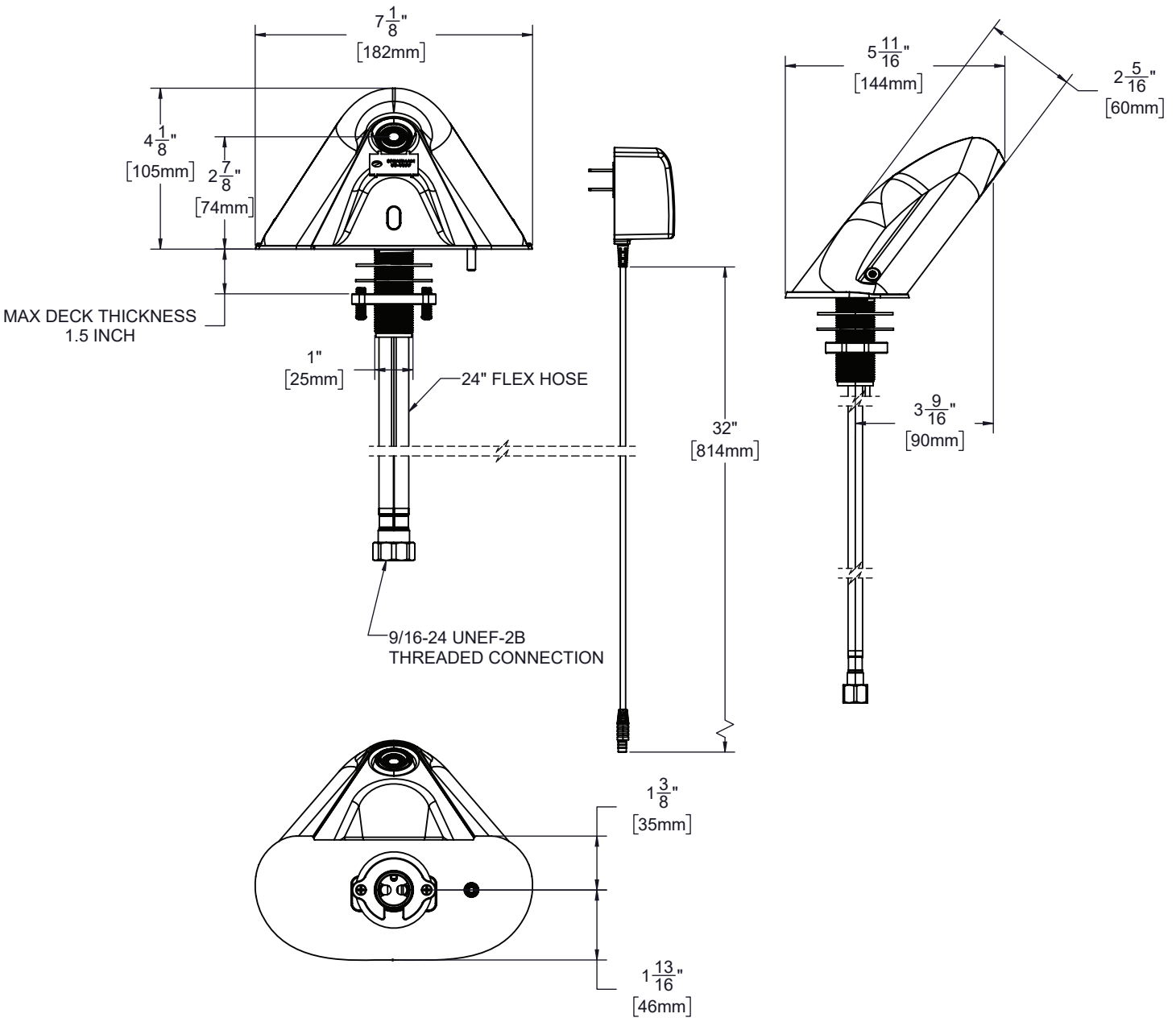
FLOW:

Flow Rate: 0.5 gpm (1.9 L/min max)
Flow Type: Spray

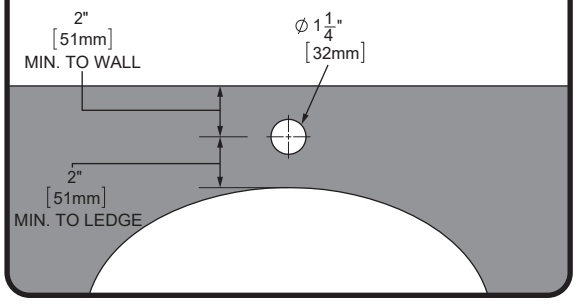
CONNECTIONS:

Hot Supply- 9/16"-24 (3/8 compression)
Cold Supply- 9/16"-24 (3/8 compression)

Contractor to supply necessary connections not included with product.



LAVATORY ROUGH-IN



DIMENSIONS SUBJECT TO CHANGE WITHOUT NOTICE. FOR ADA MOUNTING LOCATIONS, CONSULT ADAAG, ANSI A117.1, AND LOCAL/STATE REGULATIONS.