# Solo Oil Rubbed Bronze Automatic Commercial Sensor Faucet and Soap Dispenser

## BEFORE YOU BEGIN

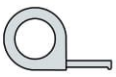
Before you begin, please read the installation instructions below. Observe all local building and safety codes.

Unpack and inspect the items for any shipping damages. If you find damages, do not install.

Please note all products must be installed by a professional and certified plumber otherwise warranty might be voided.

## POSSIBLE TOOLS REQUIRED*

Plumbers Tape


Tape Measure

Level

Adjustable Wrench

Hex Wrench

Thread Sealant

Drill

Pencil or Marker

Screwdriver

*not included

## Sensor Fauet Installation

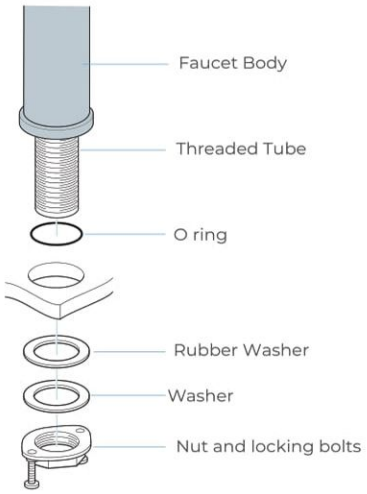
### Technical Information

Power: DC:6V(4AA alkaline battery)
AC:220V-240V; 50/60HZ
Water Consumption: 0.05Mpa-0.6Mpa
Detection Zone: 17-30 cm or adjustable
Motor valve lifespan: up to 500000 flushes
Battery lifespan: 100000 cycles
Static Power Consumption: 0.36mw
Working Power consumption: 0.5mw
Inductive Opening Time: < 0.5 second
Inductive Closing Time: < 1 second
Dia.of inlet / outlet pipe: G1/2"
Flux: ≥0.07L/S
Temperature: 0.1-50°/C
Dia of installing faucet: 33~35mm
Water flow: 4-6 L/M (0.3 Mpa)

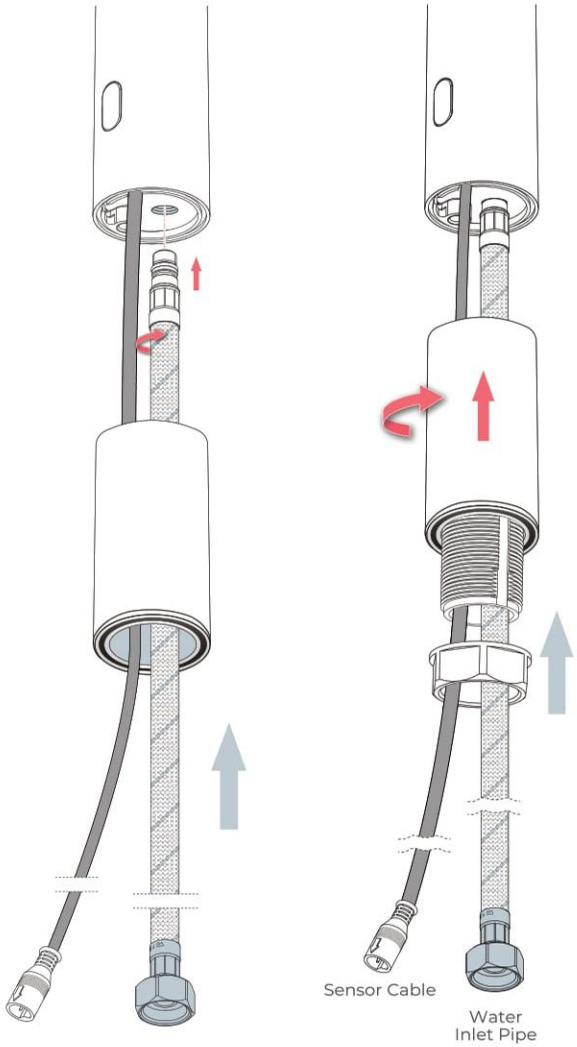
### Faucet Size

mm: inches

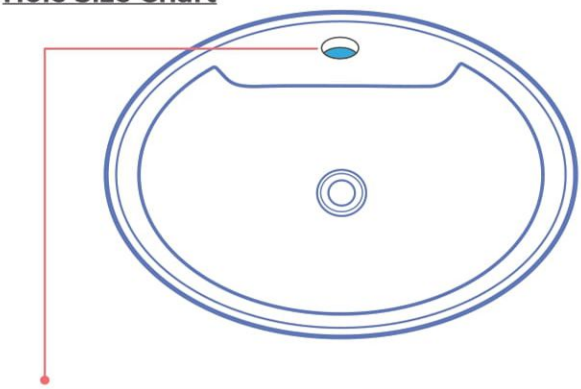
### Faucet Deck Mount Installation

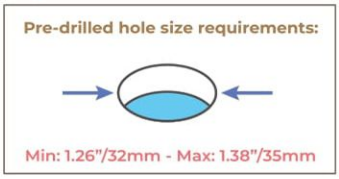


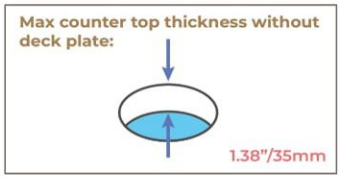

### Water Pipe Connection




### Hole Size Chart

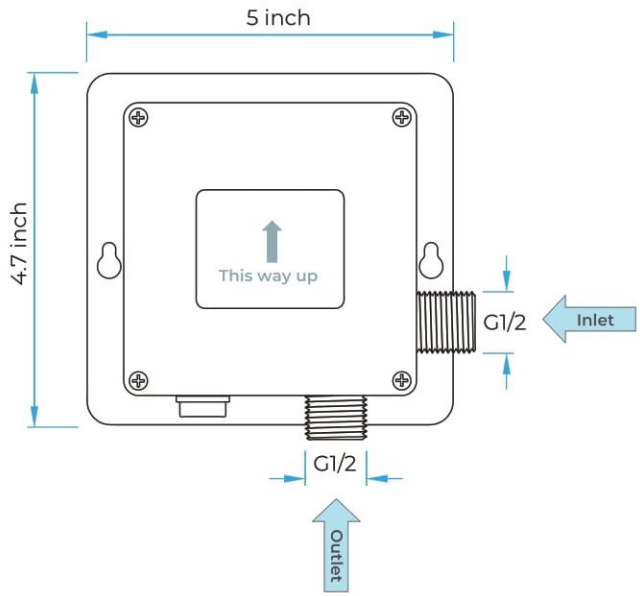




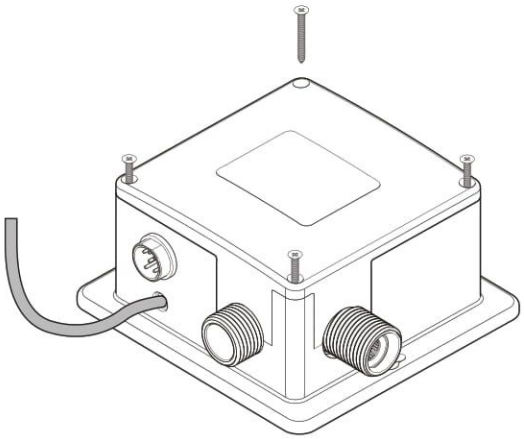

All dimensions and specifications are nominal and may vary. Use actual products for accuracy in critical situations.

## Control Box Installation Instructions



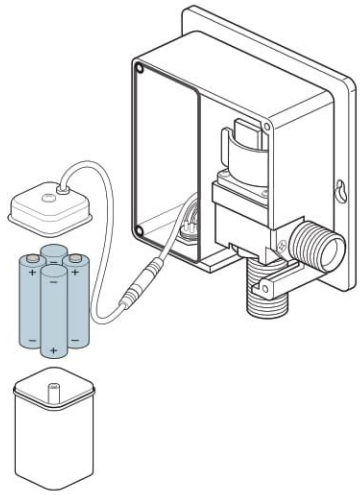

### 1. Remove Control Box Cover

Remove all four screws in each corner of the control box and remove the cover.



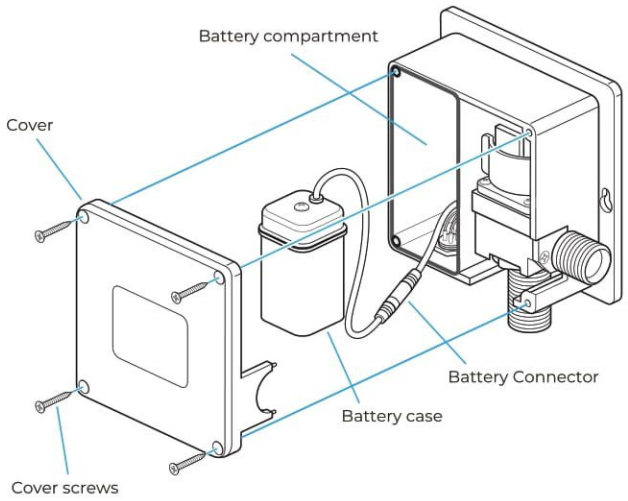
### 2. Remove Battery Box & Insert Batteries

Remove the battery case from the control box and remove the screw from the center of the battery case. Insert 4 AA batteries (batteries not included) into the battery box ensuring they are inserted the correct way.



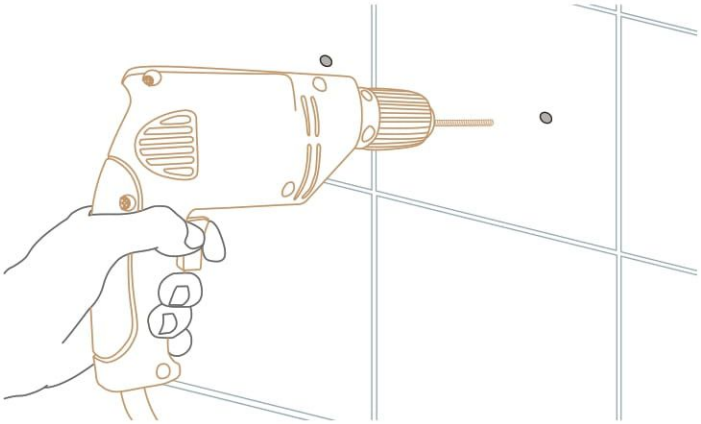
### 3. Reinstall Battery Box & Control Box Cover

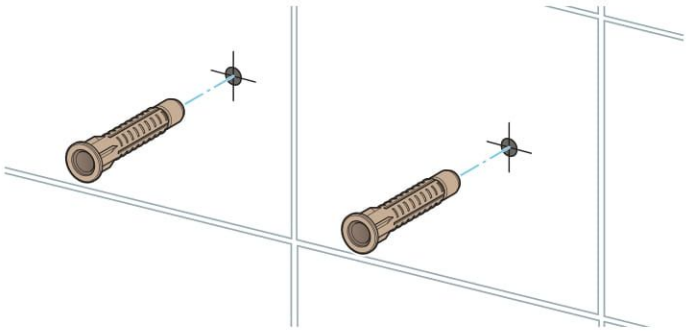
Re-install the battery box cover, matching the alignment arrows together. Set the battery box back into the control box, and re-assemble the control box cover using the previously removed screws ensuring they are all fully tightened.



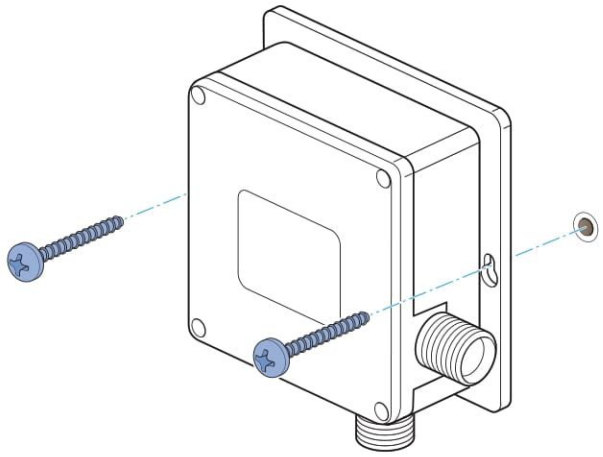

### 4a. Placement and Mounting Installation

Choose a location under the sink basin to mount the control box, such that the sensor cable, flexible hose, and incoming water supply all connect to the control box. Under the sink basin, drill a hole minimum 3/4" to fit the sensor cable and flexible hose from the spout. Feed the sensor cable and flexible hose through the hole.

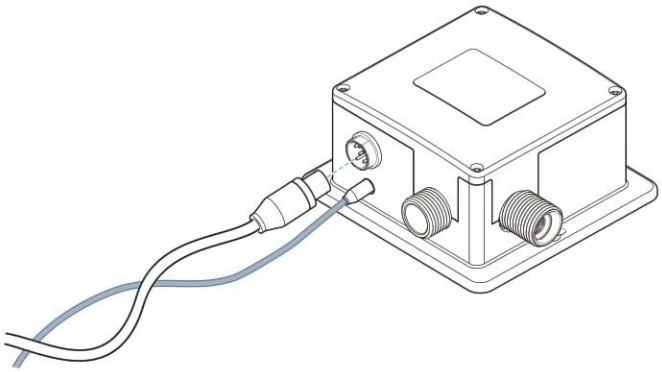




**4b.** Mount the control box on the wall. Drill two 1/8" (3mm) holes as shown, and push drywall anchors into each hole. Secure the control box to the wall with the drywall screws.

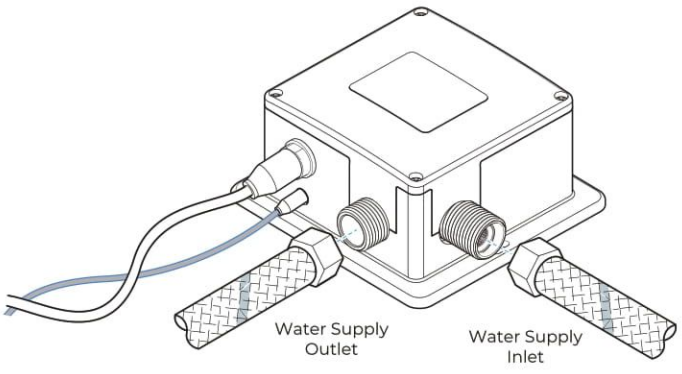


**5. Connect The Sensor Cable**
Plug the sensor cable from the faucet into the control box to activate the infrared sensor.

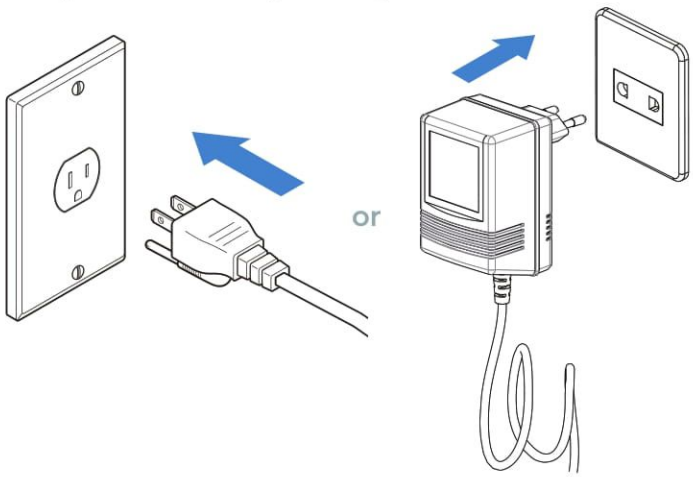


**6. Water Pipe Connections**
Connect the incoming water supply line to the control box, at the connection marked Inlet. Thread on the swivel nut to the hose by hand. Tighten with a wrench.

Connect the faucet hose to the control box, at the connection marked Outlet.




Please wait approximately 60 seconds after connecting the sensor cable for sensor calibration to complete and to begin using the faucet.

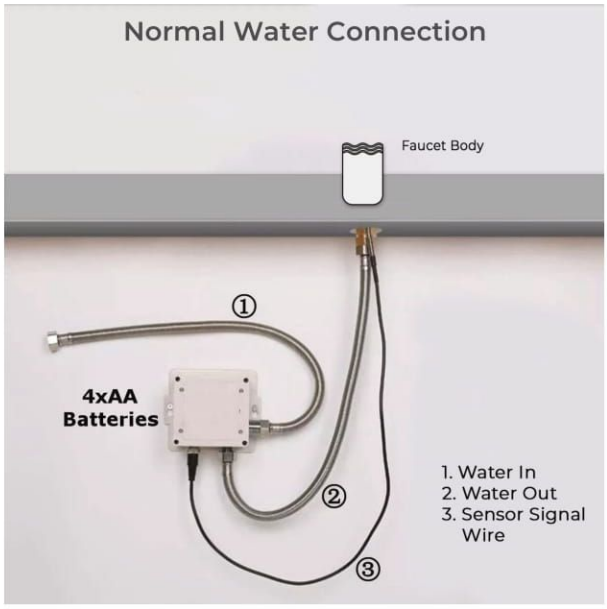



## Temp. Control Thermostatic Mixer

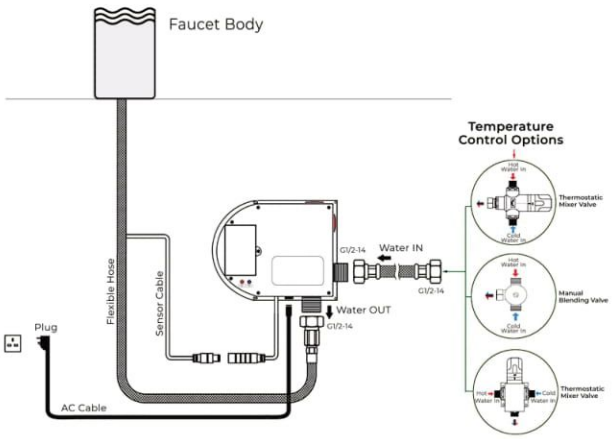
Many automatic faucets do not have hot & cold handles to adjust the water temperature coming out of the spout, and normally installed to a single water supply only. This valve is used for automatic faucet to mix hot and cold water and to control water temperature. Normally it would be mounted under the sink with required temperature set.

Working Pressure: 0.05MPa-0.5MPa
Cold Water Temp: 0°C
Hot Water Temp: 85°C
Outlet Flow Rate: 20m³/h

## Battery (DC 6V) Only Control Box



## Battery (DC 6V) & AC 220V Control Box



1. Screw the hose into the corresponding screw-hole of the faucet body. Fix the O-ring into the bottom groove of the faucet body.

2. Insert hose, threaded pipe, and sensor cable through the drilled hole of the countertop. Put rubber washer and metal washer onto the threaded pipe, screwing in mounting nut. Adjust the faucet body correctly and tighten the mounting nut with screws.

3. Install the control box to the faucet.

4. Then connect the battery cable to the control box.

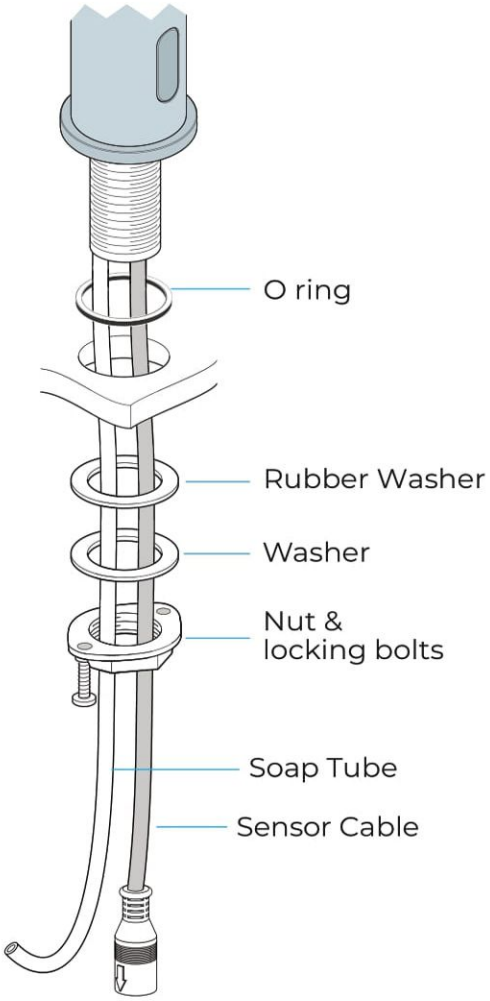
5. Make Connections to water supplies. Turn on the water supply and flush water lines into a container for one minute.
Important: This flushes away any debris that could cause damage to faucet internal parts.

6. Connect waterlines to angle stops. Turn on the angle stops and check for leaks (DO NOT TURN FAUCET ON).

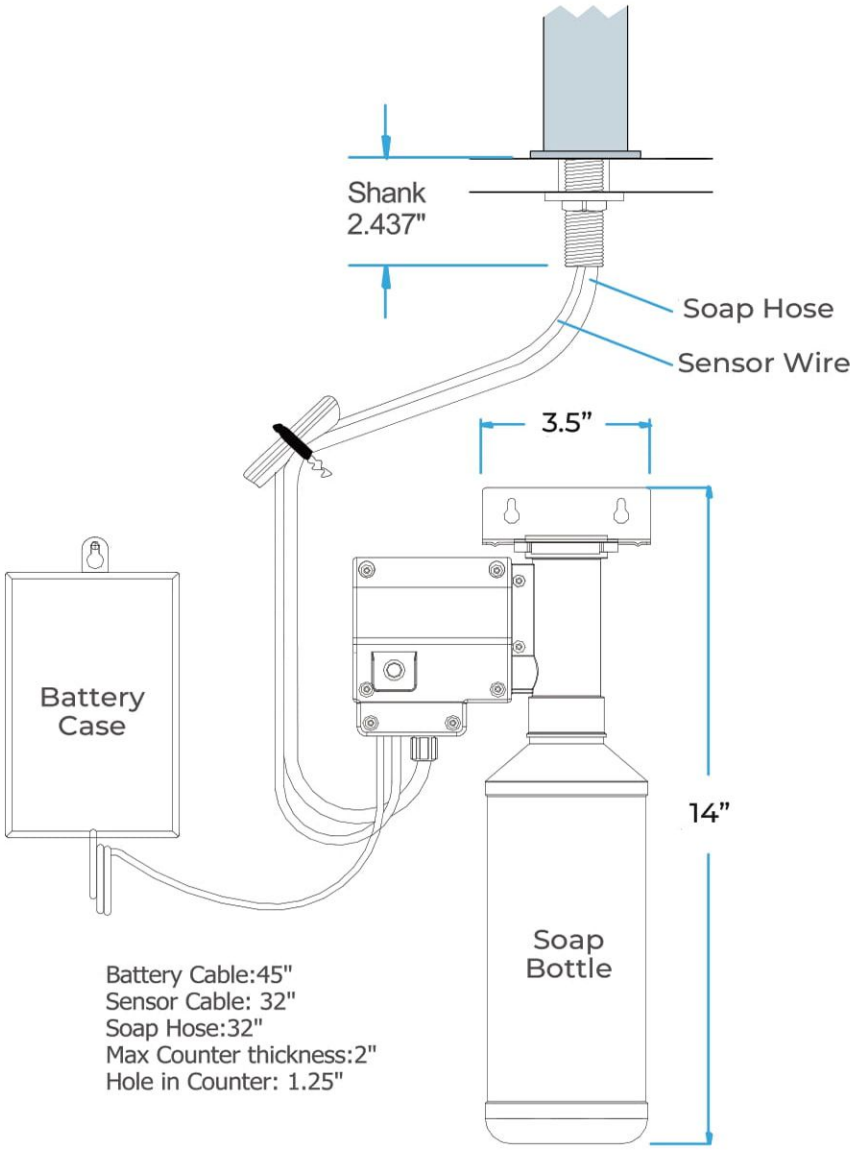
7. Turn the faucet on for 1 minute to flush any debris.

## Soap Dispenser Installation

### Deck Mount Installation

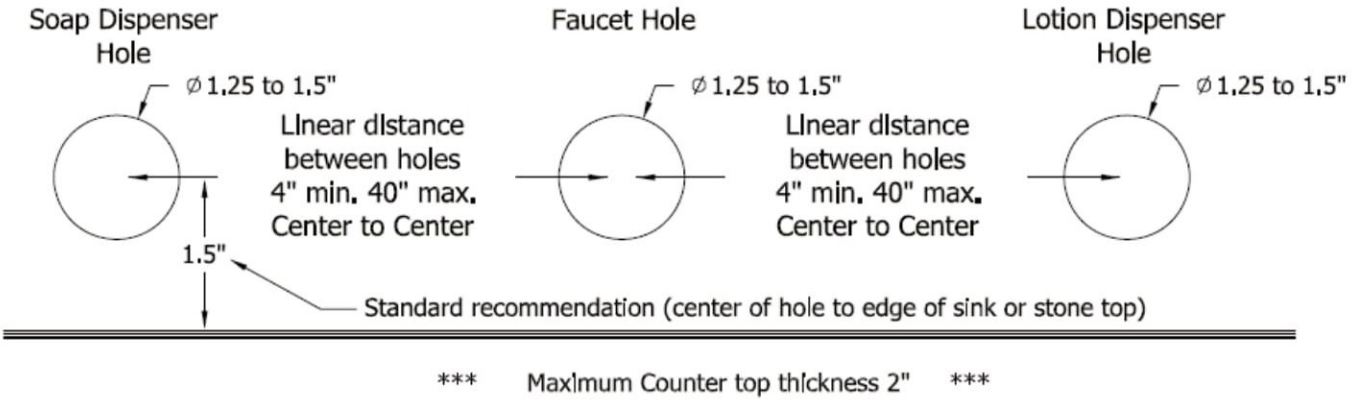



### Installation Overview




Battery Cable:45"
Sensor Cable: 32"
Soap Hose:32"
Max Counter thickness:2"
Hole in Counter: 1.25"

### Rough-in




*** Maximum Counter top thickness 2" ***

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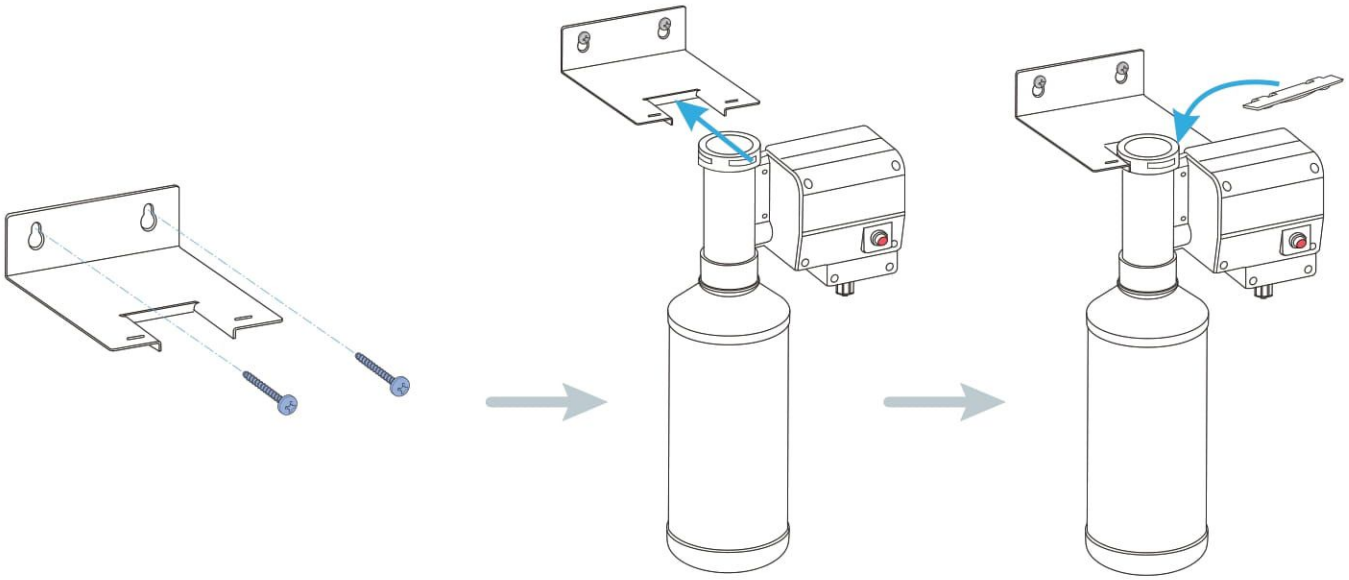
## Installation of Soap Bottle

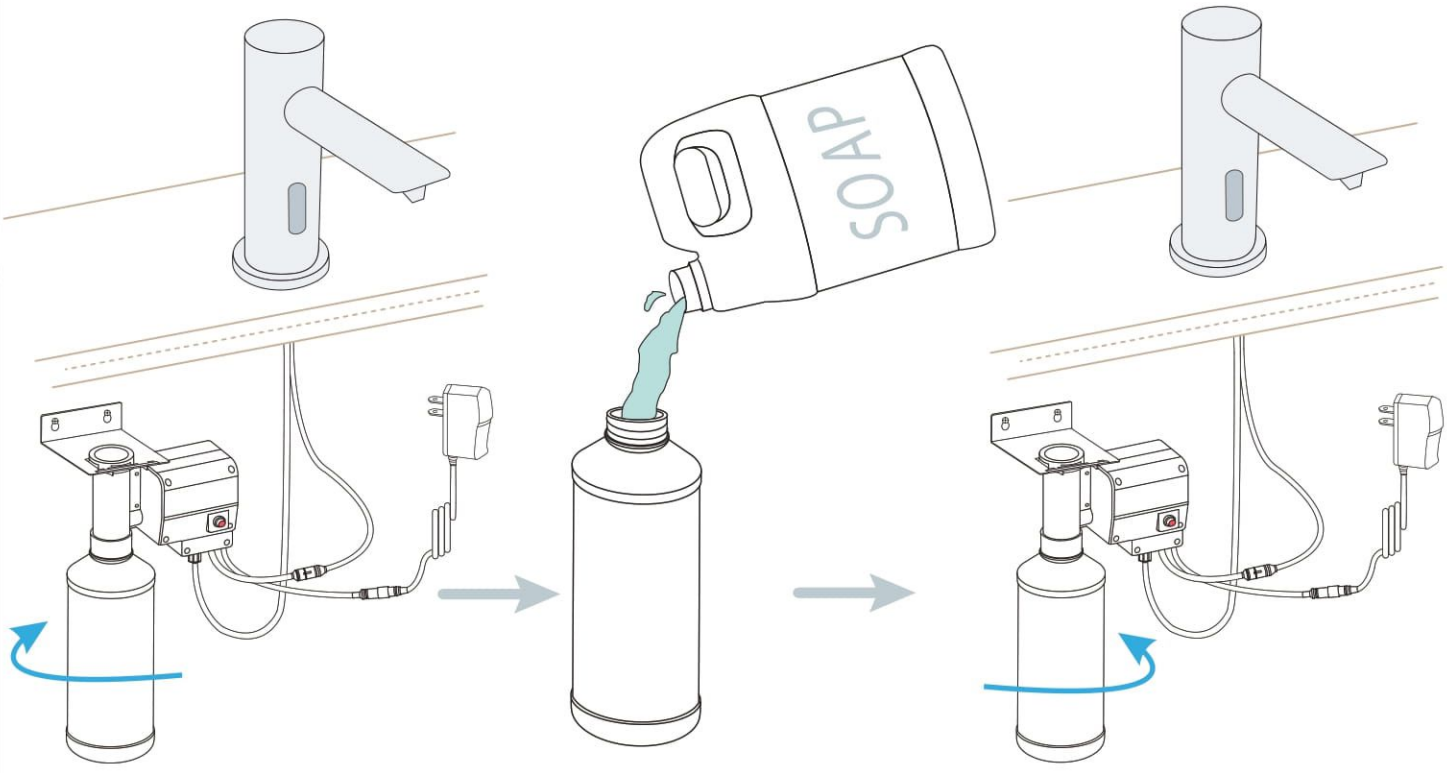


Install the bracket on the wall

Insert the pump onto the bracket

Insert the locking plate into bracket

## Soap Refill Process

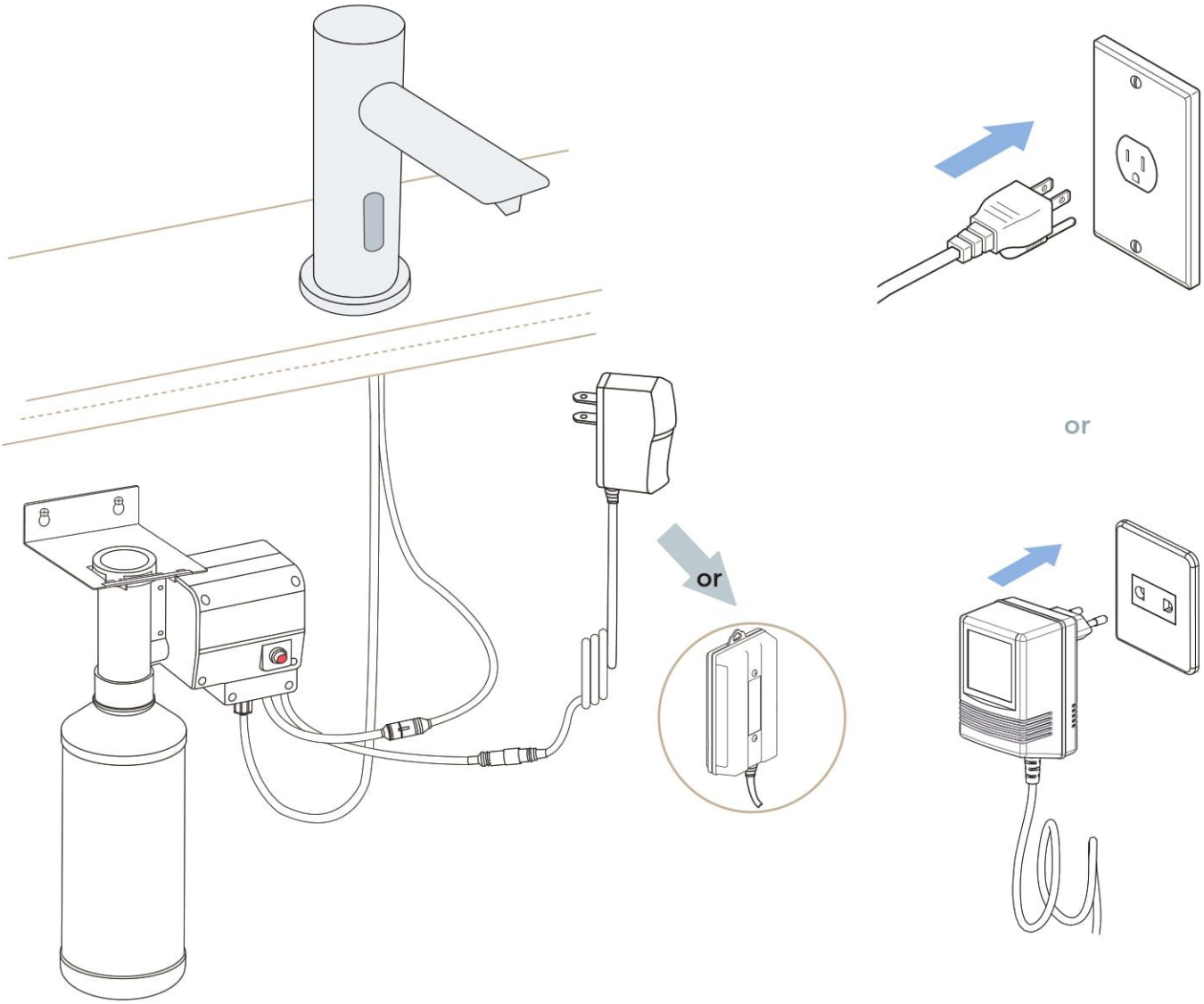



Unscrew the empty bottle.

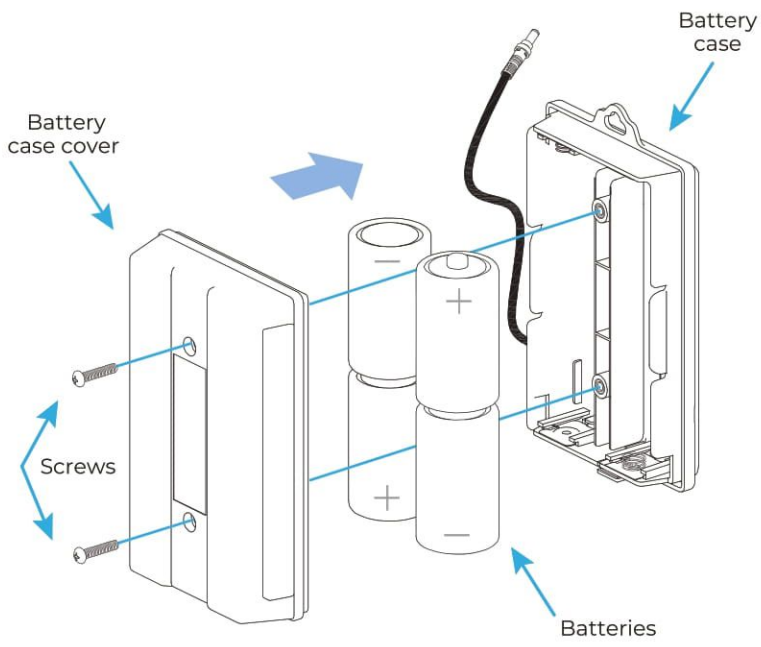
Add soap into the empty bottle.

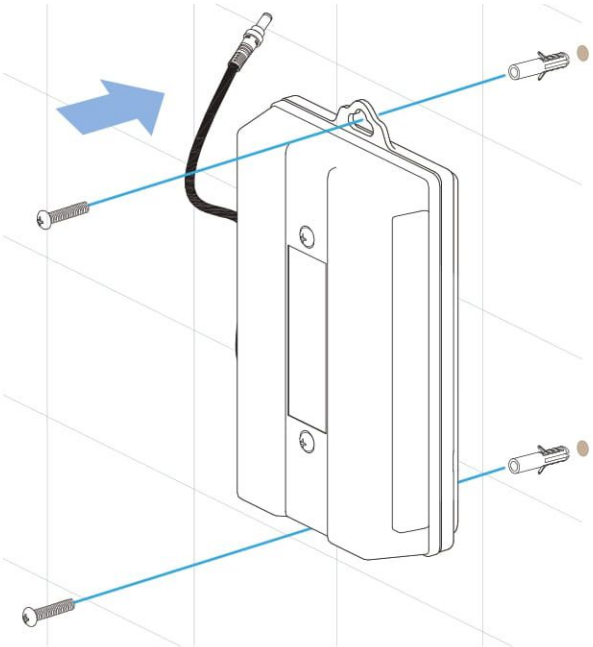
Affix the bottle with full soap onto the pump, and do not over tighten.

## Deck Mounted Faucet




## Battery Box



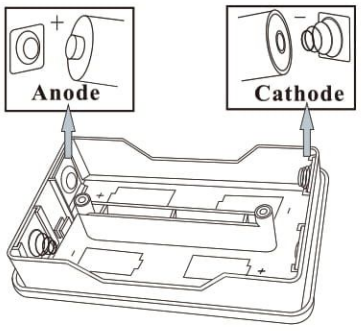
1. Remove cover of battery case.

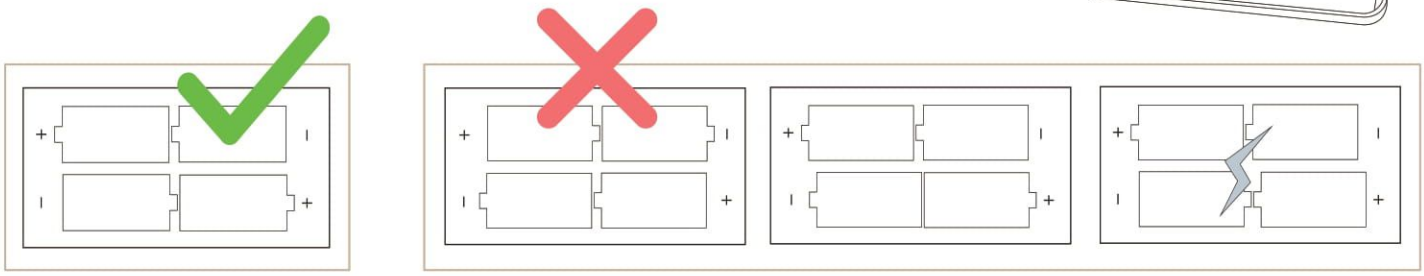
2. Install four (4) D size alkaline batteries.
Note: Make sure the batteries are installed in correct orientation (polarity).

3. Replace battery case cover.

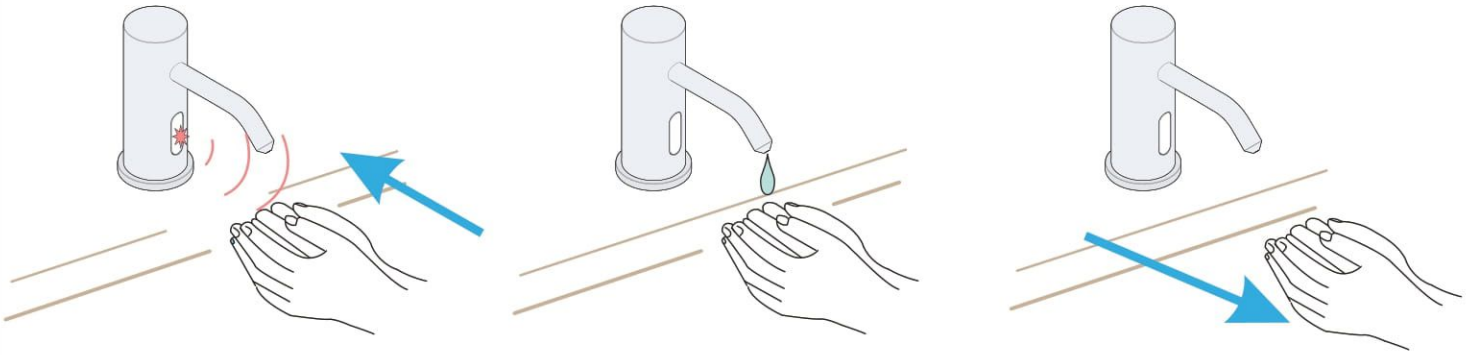
4. Tighten screws.

- The standard life cycle time is 2 years, based on average use 2000 times/month.



## Usage

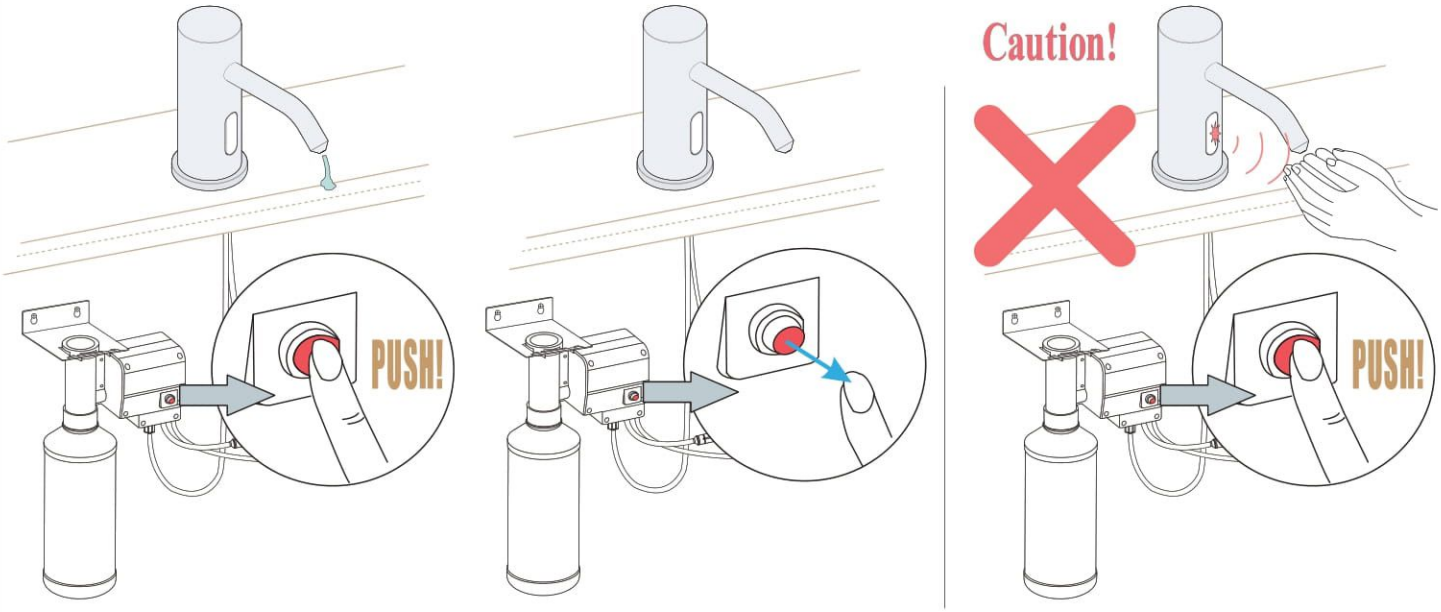


Place hands immediately under soap spout.

Predetermined amount of soap will dispense

If more soap is needed, remove hands & repeat.

## Usage of Button




When the soap bottle is filled with soap, press the button till soap dispenses out of nozzle.

Do not use the sensor when the button is pressed, because they cannot be used at the same time, as it might lead to the damage to the machine.

## Commissioning Sequence

Before using the soap dispenser for the first time, the following sequence must be carried out.
- Fill the bottle full of soap.
- Locate the dispense button on the side of the pump. Press and hold the button until soap is dispensed from the spout. This will ensure the dispenser tube and cable are full of soap.

## Operation

Place your hand under the spout within the sensing range.
Once the your hand is detected, a small amount of soap will be dispensed from the spout into your hand.

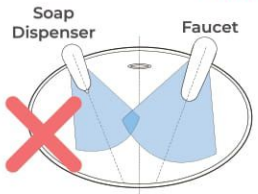
## General Information

Our sensor spouts have a non-touch control which uses infrared sensing technology to detect human presence. Once detected, the spout instantly dispenses soap and automatically stops once the user moves their hands away to eliminate unnecessary soap wastage, whilst creating a more hygienic washroom solution.

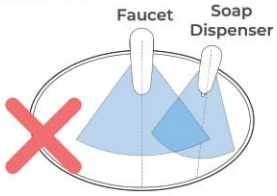
All products manufactured and supplied by Fontana are safe and comply to legislative requirements. Providing they are installed correctly and receive regular maintenance in accordance with these instructions your user experience will not be affected.

## Sensor Faucet & Soap Dispneser Installation

**Incorrect Placement**

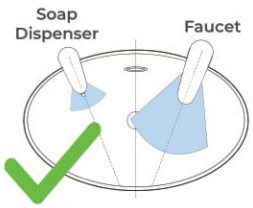



Keep sensor range adjustment within 4 inches away from center of spout. This can only be done with optional remote control.

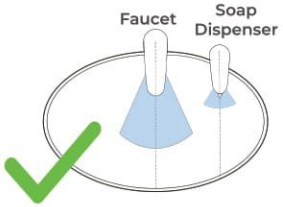



Installing electronic soap dispenser & faucet with intersecting centerline might lead to accidental activation of either or both.

**Correct Placement**




Keep sensor ranges factory preset.




Keep soap spout & faucet centerlin parallel.

## Care & Cleaning

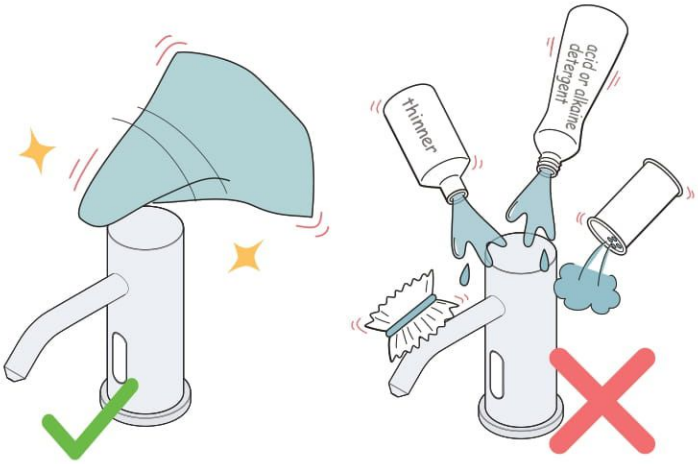
• Always wipe your fixture down with a soft cloth after each use to prevent mineral build-up and water-spotting. Should spotting occur, remove water spots with warm water and a soft, damp cloth.

• Wipe away any debris adhering to the spout or sensor.

• Wipe away debris with a damp cloth containing a suitable amount of a neutral, dishwashing detergent. Then wipe clean with a damp cloth.

• When cleaning around the sensor, please be careful not to scratch the surface of the sensor window.

• Do not use detergent that might damage the surface of spout. These include:
- Detergents containing acid, chlorine bleach or alkali.
- Detergents that are coarse granules in nature, such as polishing powder.
- Solvents such as paint thinner or benzene.
- Abrasive aids such as nylon scrubbers/brushes, steel wool, etc.




## Hygienic

The proximity sensor faucet removes the need to touch the faucet body, reducing the spread of germs and the chance of cross-contamination.