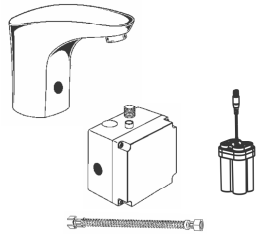
**Attention:**
**Please leave manual with customer post installation.**

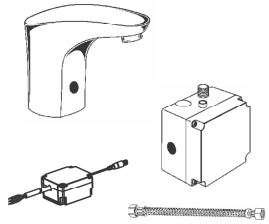
# Selectronic Sensor Faucet

American Standard

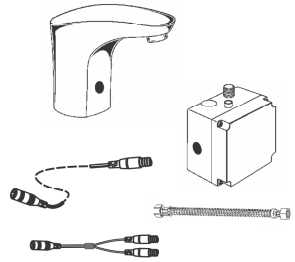
**Installation & Operation Instructions**



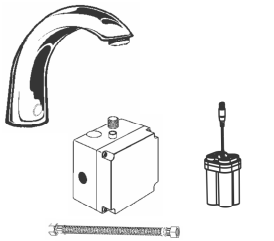
FFAS8800–000500BF0 (WF–8800.000.50)
A–8800–000–50
(FFAS8800–000500BF0 (WF–8800.000.50))
Selectronic Waterfowl Sensor Faucet (DC)



FFAS8810–000500BF0 (WF–8810.000.50)
FFAS8810–010500BF0 (WF–8810.010.50)
FFAS8810–0W0500BF0 (WF–8810.0W0.50)
FFAS8810–0P25E0BF0
(WF–8810.0P2.5E)
FFAS8810–0P55E0BF0 (WF–8810.0P5.5E)
Selectronic Waterfowl Sensor Faucet (AC)



FFAS8820–000500BF0 (WF–8820.000.50)
Selectronic Waterfowl Sensor Faucet, Multi–AC



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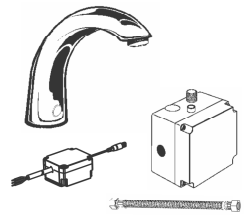
A–8805–000–50
(FFAS8805–000500BF0 (WF–8805.000.50))
FFAS8805–0D1500BF0 (WF–8805.0D1.50)
FFAS8805–0P25E0BF0
(WF–8805.0P2.5E)
Selectronic Casted Spout Sensor Faucet (DC)



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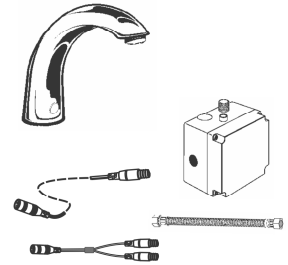
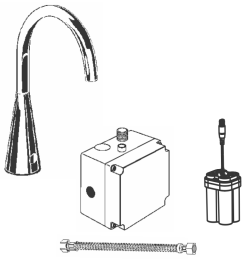
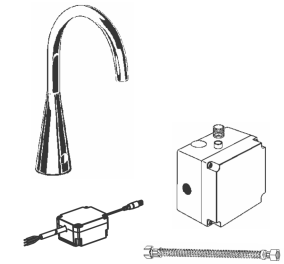
FFAS8815–010500BF0 (WF–8815.010.50)
FFAS8815–0W0500BF0 (WF–8815.0W0.50)
FFAS8815–0P25E0BF0 (0.5GPM)
(WF–8815.0P2.5E)
A–8815–000–50
(FFAS8815–0T0500BT0 (WF–8815.0T0.50))
A–8815–10–LE



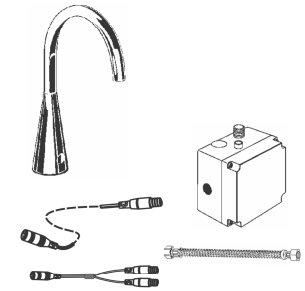
FFAS8825–000500BF0 (WF–8825.000.50)
Selectronic Casted Spout Sensor Faucet, Multi–AC



FFAS8806–000500BF0 (WF–8806.000.50)
A–8806–AF
(FFAS–8806–000500BF0 (WF–8806.000.50))
Selectronic 6" Gooseneck Sensor Faucet (DC)



FFAS8816–000500BF0 (WF–8816.000.50)
FFAS8816–010500BF0 (WF–8816.010.50)
FFAS8816–0W0500BF0 (WF–8816.0W0.50)
Selectronic 6" Gooseneck Sensor Faucet (AC)



FFAS8826–000500BF0 (WF–8826.000.50)
Selectronic 6" Gooseneck Sensor Faucet, Multi–AC

Rev. FF1–CN521K00000414(1586583799)/A7

Thank you for selecting American Standard the benchmark of fine quality for over 100 years.
To ensure that your installation proceeds smoothly, please read these instructions carefully before you begin.

* American Standard continually improves our product design and performance and reserves the right to modify the dimension and specification of our product accordingly without any prior notification.
* Actual dimensions and specifications may vary, refer to physical product for exact dimensions and specification.

All instruction procedures must comply in strict accordance with applicable local plumbing and building codes

## Pre–Installation Checks

1. Remove all the impurities in pipes before beginning to avoid clogging.
2. Water supply for this product should be drinking water. Seawater is forbidden.
3. Check installation distances with the dimension diagram to ensure correct installation.
4. To avoid surface damage by improper cleaning, please refer the attached care and Maintenance instruction.
5. Before using the mixed water spout, please make sure the temperature adjustment handle is ste with the biggest status of cold water and then turn the handle slowly to avoid scald.
6. When installing the battery, please pay attention to the right side of anode and cathode and make sure the battery box is waterproof avoid the damp on its effect.
7. Don't make the sensor window close to electromagnetic or the strong ultraviolet radiation.
8. Please turn off the water supply system during maintenance.
9. Keep the sensor window clean. And don't Knock on it.
10. Organic solvent shouldn't spray to the sensor window directly.

Take off the sensor protection label after finish installation

## Recommended Tools and Materials

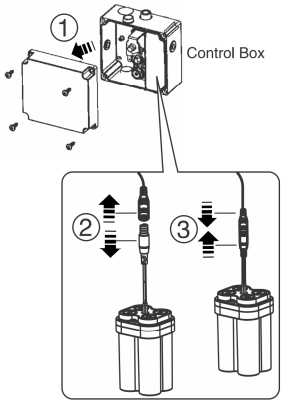

## Specification

| Type / power supply | WF–8800.000.50 ( DC ) – 4Pcs 1.5V AA Alkaline Battery<br>A–8800–000–50(WF–8800.000.50) (DC) – 4Pcs 1.5V AA Alkaline Battery<br>WF–8810.000.50 ( AC ) – 165V ~ 275V<br>WF–8810.010.50 ( AC ) –165V ~ 275V<br>WF–8810.0W0.50 ( AC ) –110V<br>WF–8810.0P2.5E (AC)–165V ~ 275V<br>WF–8810.0P5.5E ( AC ) – 165V ~ 275V<br>WF–8820.000.50 ( Multi–AC ) –165V ~ 275V | WF–8805.000.50 ( DC ) – 4Pcs 1.5V AA Alkaline Battery<br>A–8805–000–50(WF–8805.000.50) (DC) – 4Pcs 1.5V AA Alkaline Battery<br>WF–8805.0D1.50 (DC) –4Pcs 1.5V AA Alkaline Battery<br>WF–8805.0P2.5E (DC)–4Pcs 1.5V AA Alkaline Battery<br>WF–8815.000.50 ( AC ) – 165V ~ 275V<br>WF–8815.010.50 ( AC ) –165V ~ 275V<br>WF–8815.0W0.50 ( AC ) –110V<br>A–8815–000–50 (WF–8815.0T0.50) ( AC ) –165V ~ 275V<br>WF–8815.0P2.5E (0.5GPM)–(AC)–165V ~ 275V<br>WF–8825.000.50 ( Multi–AC ) –165V ~ 275V | WF–8806.000.50<br>A–8806–AF(WF–8806.000.50)(DC) – 4Pcs 1.5V AA Alkaline Battery<br>WF–8816.000.50 ( AC ) – 165V ~ 275V<br>WF–8816.010.50 ( AC ) –165V ~ 275V<br>WF–8816.0W0.50 ( AC ) –110V<br>WF–8826.000.50 ( Multi–AC ) –165V ~ 275V |
|---|---|---|---|
| Mode of the inducing | Infrared induction | | |
| Detects Range (Kodak Gray Card) | 10cm~15cm<br>Preset 12cm | | |
| Pressure Requirement | 0.05 ~ 0.75MPa | | |
| Supply Pipe Size | G 1/2" | | |
| Environment Temperature | 1℃ ~ 55℃ | | |
| Acceptable Water Temperature | 1℃ ~ 45℃ | | |
| Water Saving Setting | The faucet will shut off after the valve is opened more flow 59 seconds. | | |

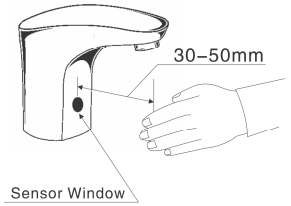


## Detection Zone Adjustment

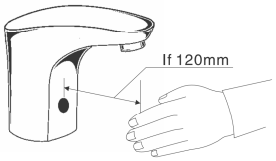
1. Open the valve box, unplug power wire from battery box, wait for a moment than plug it again.




2. Put hand in the distance of 30~50mm in front of the sensor window when the light is blinking.




3. Put hand in the distance that you want. when the light turn off, move hand away , the range had been set successfully.




## Trouble Shooting Guide

| Problem | Reason | Correction |
|---|---|---|
| No Detection<br>No Flow | No battery or the battery installed wrongly or no power supply<br>Something around the sensor is detected all the time<br>Sensor window is dirty<br>The connection is not connected correctly | Install battery and connection power supply<br>Remove the things around the sensor<br>Clean the sensor window<br>Check the connection<br>Replace the bottery if the old one is used out |
| Has detection but no flow | The stop valve is closed<br>Somethings around the sensor is detected all the time<br>Sensor window is dirty | Open the stop valve<br>Remove somethings around the sensor<br>Clean the window |
| Low water flow | The stop valve is not opened entirely<br>The filters are blocked<br>Low water pressure | Open the stop valve entirely<br>Clean the filters<br>Contact with water supply department |
| Water flow nonstop | Something around the sensor is detected all the time<br>The Solenoid Valve are blocked | Remove the things around the sensor<br>Clean the Solenoid Valve |

## Usage Instructions

### Instantaneous Water Supply Control

* When put hand or object in the detection range, water will come out; when hand or object out of the detection range it will stop automatically.

### Overtime Usage Control

* The sensor will stop working temporarily if the usage continuous 1 minute.
* After it stop, hand or object must leave the detectioe range, when hand or object put into the detective range again, the sensor will work again, otherwise, it can't work.

### Replace Battery (DC)

* If you found the indicator light twinkling continuously in 2 second interval, it means the battery is out of power, and the sensor stop work, you should change a new one.

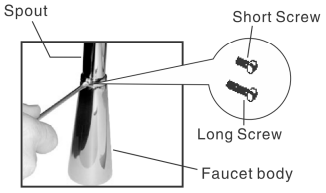
### Water Temperature adjust (Non–thermostatic Valve)

* If you need the cold and hot water mix, suggest to use thermostatic valve control the temperature to avoid scald.

### How to convert rigid goose neck spout to swing spout

The SPOUT is shipped from the factory as a rigid assembly.
To convert the SPOUT into a swing spout proceed as follows:

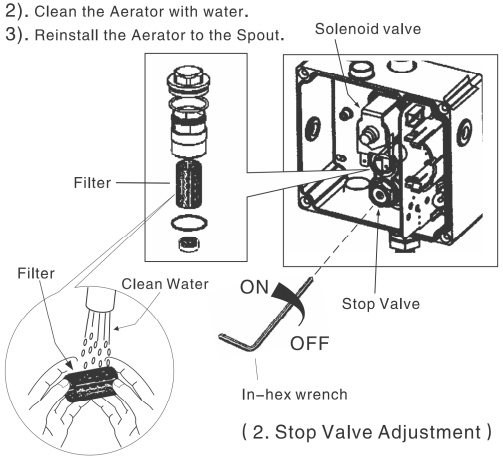
1. The SPOUT can't swivel (default setting) :
Install with long screws to fix a SPOUT, the SPOUT is not swivel;
2. The SPOUT can swivel:
Install with short screw to fix a SPOUT, the SPOUT as a swivel.




## Maintenance & Repair

The Stop Valve of this sensor faucet has equipped with good quality filter, But the impure water or impuring in the water pipe will affect the water flow, in this condition, you should clean the filter, the process is as below:
1). Tighten the Stop Valve with Hexagonal Wrench in counter clockwise to shut down water supply.
2). Use the special filter key or other opening tools to screw out the Stop Valve Cap.
3). Remove the Filter, clean it, and put again.
4). Fix the Stop Valve Cap again, and loose the Stop Valve with Hexagonal Wrench. Then it resumes to work.

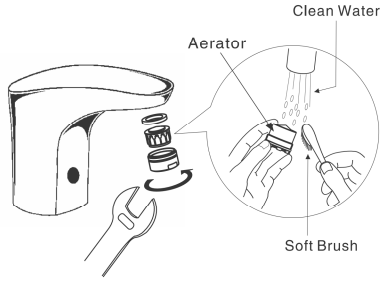
If necessary, you could clean the aerator too as per below step
1). Screw off the Aerator from the Spout.
2). Clean the Aerator with water.
3). Reinstall the Aerator to the Spout.



(1. Cleaning the Filter)



( 2. Stop Valve Adjustment )



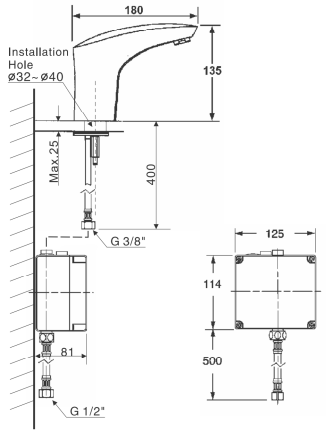
(3. Cleaning the Aerator)

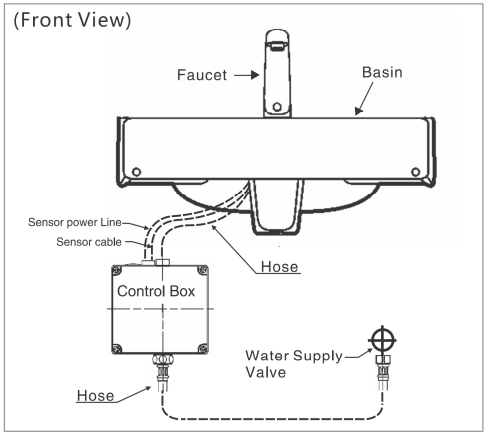


## Dimension

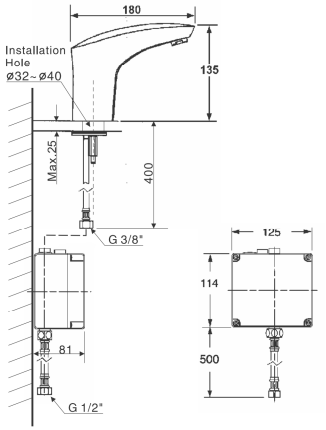
Unit:mm

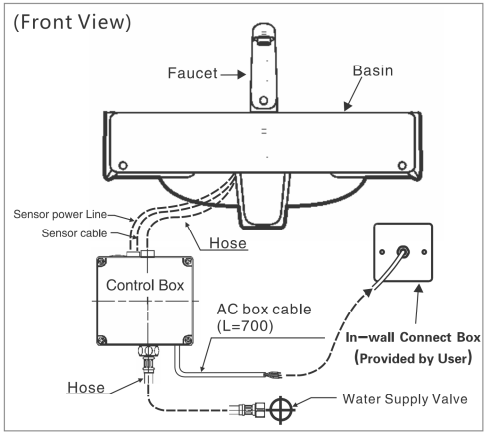
(8800)



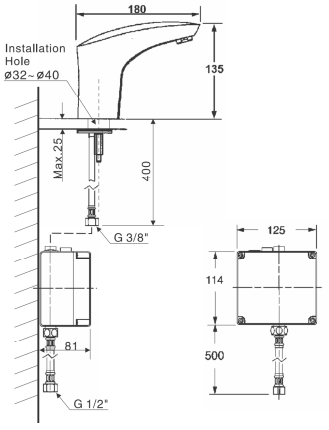



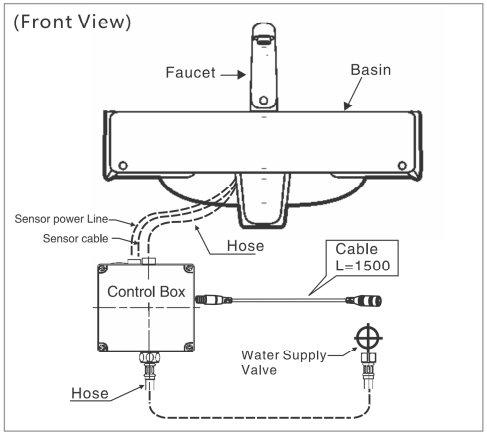

(8810)




(8820)

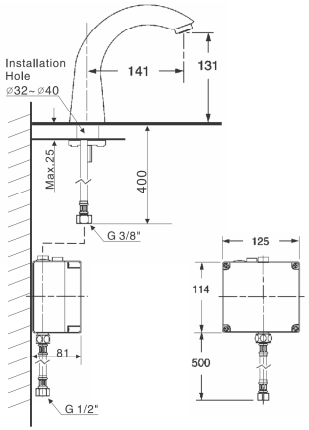


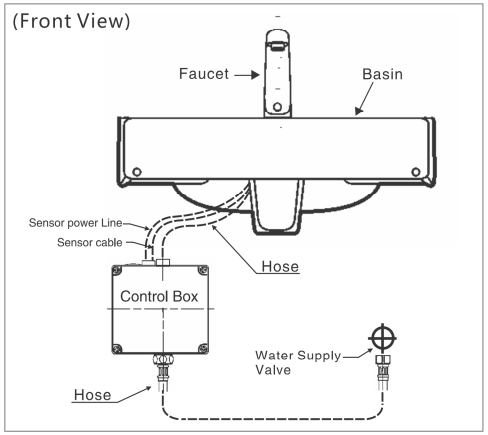



## Dimension

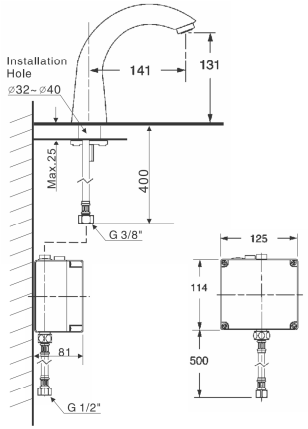
Unit:mm

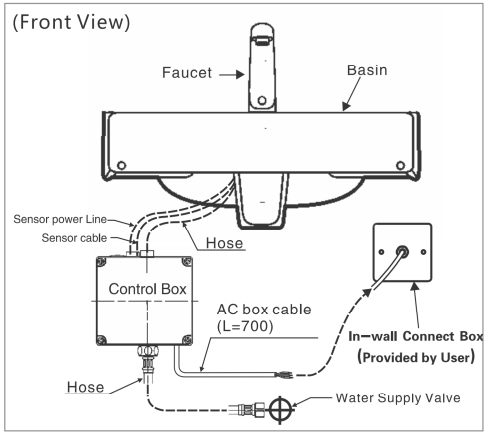
(8805)



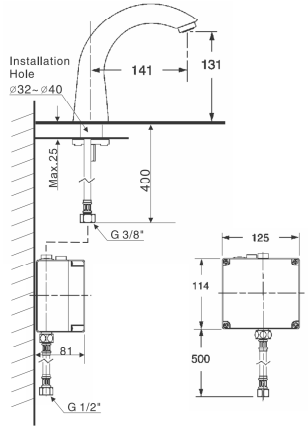



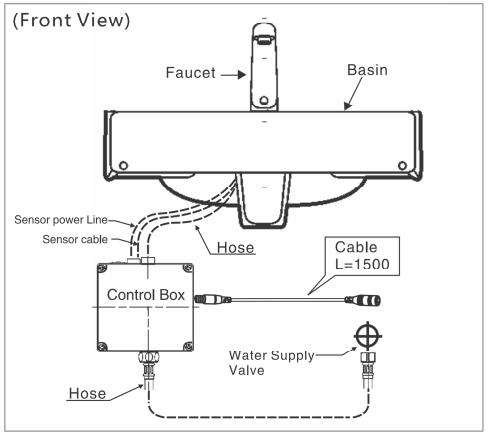

(8815)




(8825)

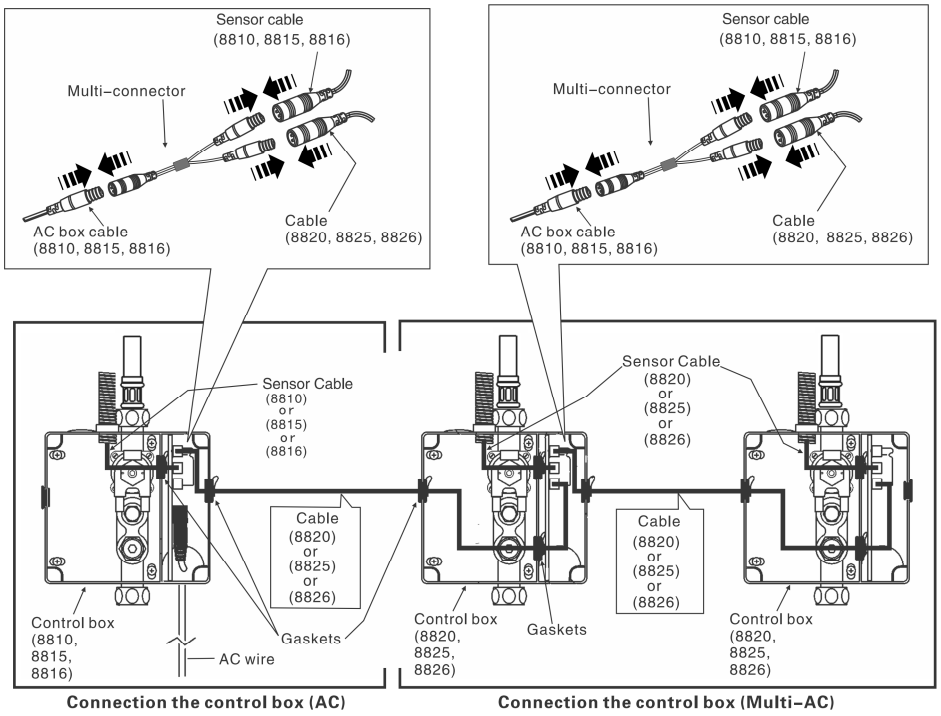





## 7 Connection the Cable (Multi-AC) (8820 / 8825 / 8826)

* If multiple installation: can use a WF-8810 or WF – 8816 or 8816 AC products with multiple 8820 or 8825 or 8826 With the use of products (up to 3).



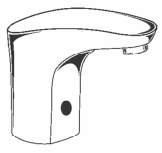

**Connection the control box (AC)** **Connection the control box (Multi-AC)**

## Usage Instruction

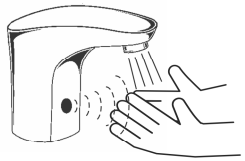
### 1 Test

* Make sure the connection of power and water supply.
* Open the water supply, Make sure no leakage in all connection.
* When enter the sensor zone, sensor dectect and flush , When leave the detection zone, valve will stop, and waiting for start.
* Make sure no thing in sensor zone.

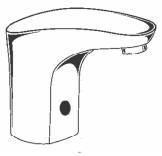
### 2 Usage



Waiting



Put hand in front of the sensor window, Sensor dectects and water come out automatically

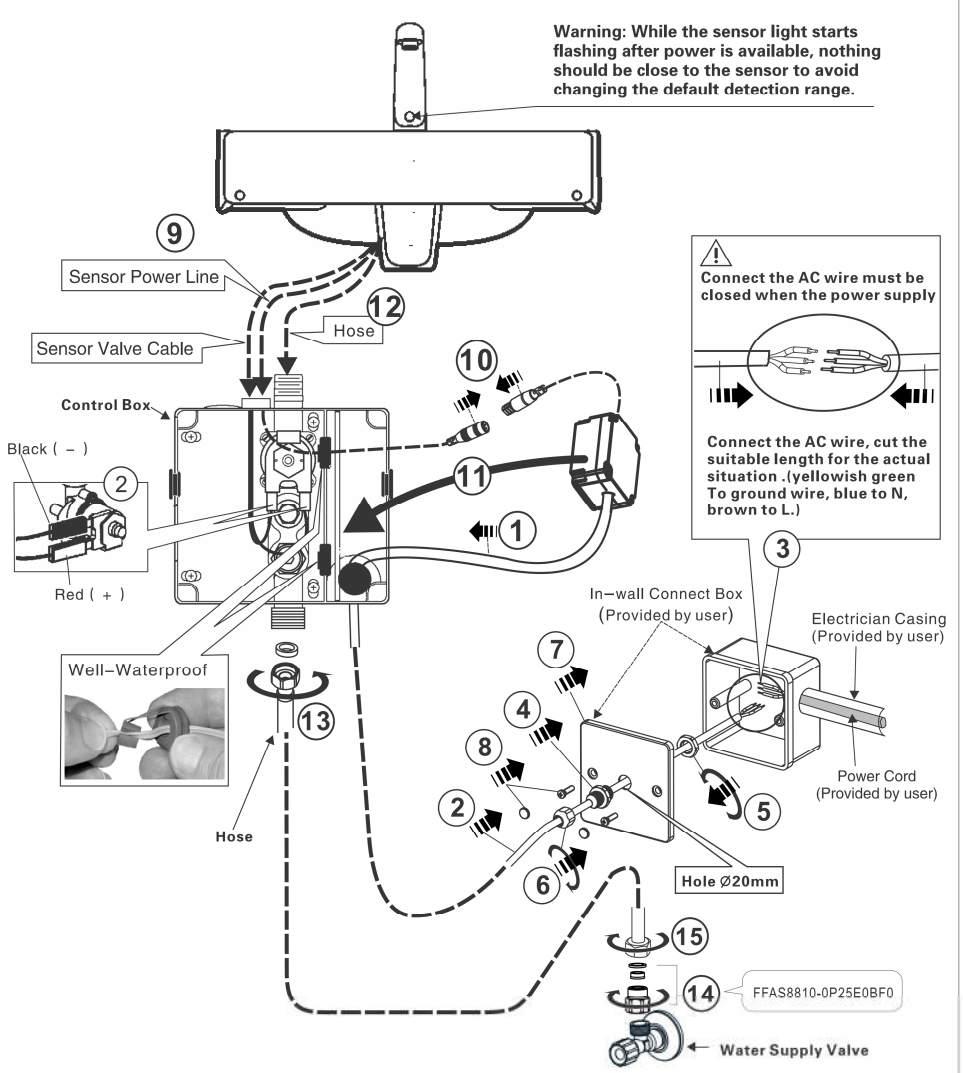


Waiting

## Installation

### 6 Connected Components (AC) ( 8810 / 8815 / 8816)

**Notes:**
**1. Turn off the electrical source and shut down water supply before installation.**
**2. Installation must by a qualified worker.**
**3. Not allowed connect AC electrical source to the sensor , otherwise will damage the sensor, even may get an electric shock.**
**4. The AC wire should supply by the user. The AC wire must ⩾1mm^2, the length of the Wire fix the actual situation by the user. The AC parts(include AC wire, wire pipe,86 type box, 86 type cover) supply by the user.**
**5. The wire and the parts of the connection must deal with waterproof and leak-proof**
**6. Must set up earth leakage protective device before the AC adapter, avoid electric shock.**

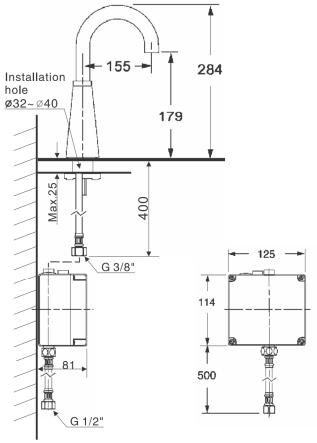


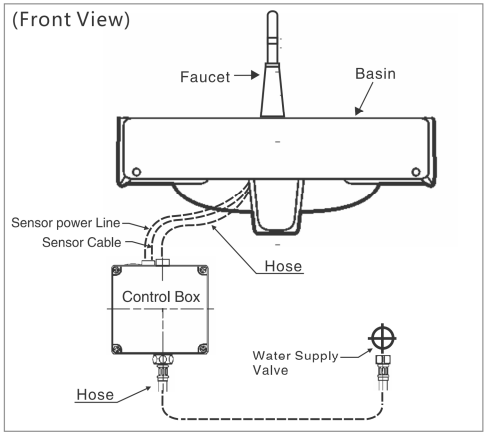



## Dimension

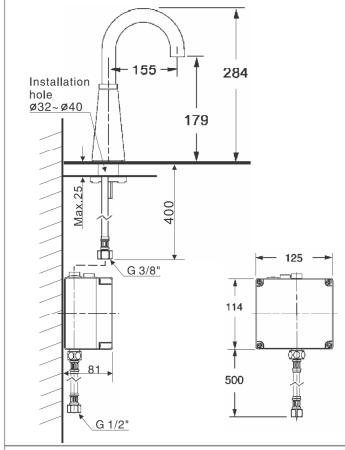
Unit: mm

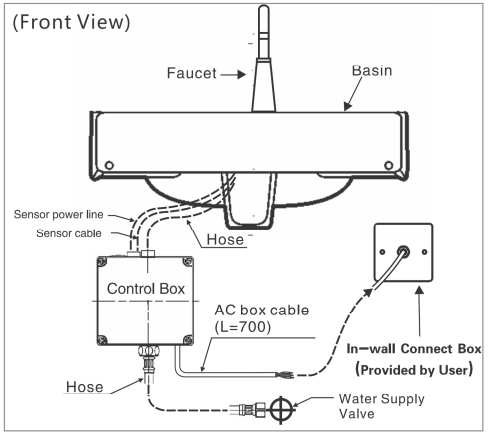
(8806)



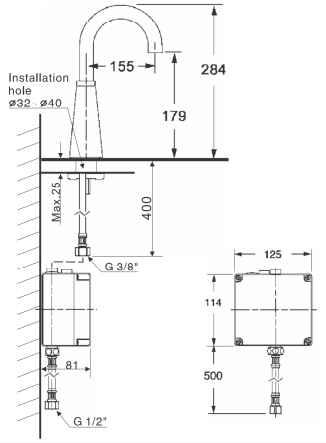



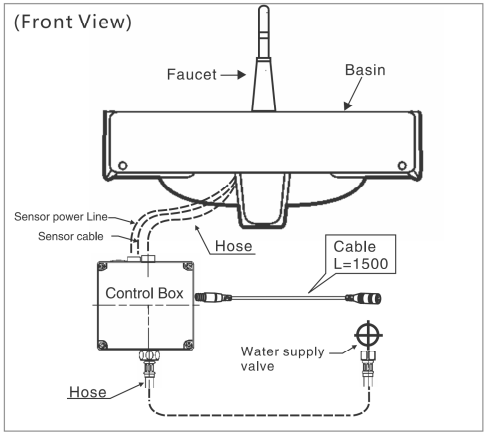

(8816)



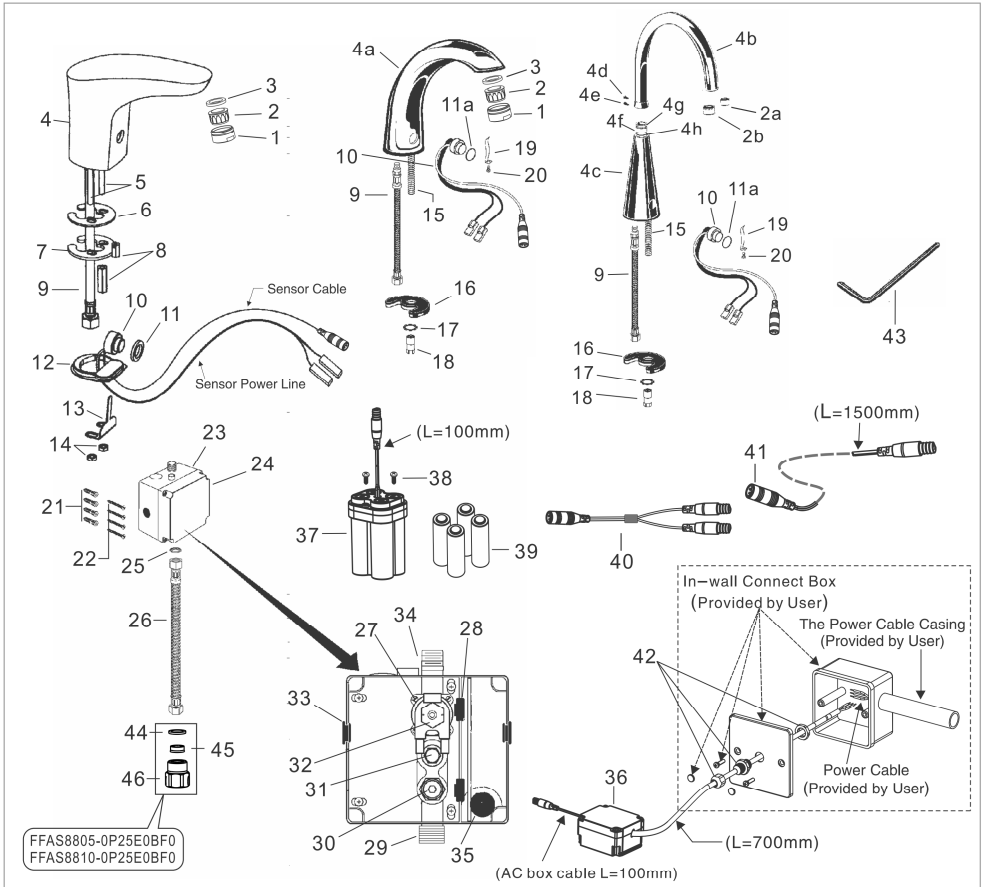




(8826)



## Parts List




| No. | Part Name | Q'ty 8800 | 8810 | 8820 | 8805 | 8815 | 8825 | 8806 | 8816 | 8826 |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Aerator housing | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 2 | Aerator | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 2a | Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 2b | Aerator | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 3 | Washer | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 |
| 4 | Spout | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4a | Spout | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 |
| 4b | Spout | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 4c | Faucet body | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 4d | Screw | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 4e | Screw | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 4f | Clip | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 4g | O–Ring | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 4h | Washer | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 |
| 5 | Bolt | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6 | Washer | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 7 | Washer | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 8 | Nut | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 9 | Hose | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | Sensor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 11 | Washer | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11a | O–Ring | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 12 | Washer | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 13 | Holder | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14 | Nut | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15 | Shank | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 16 | Washer | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 17 | Washer | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 18 | Nut | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |

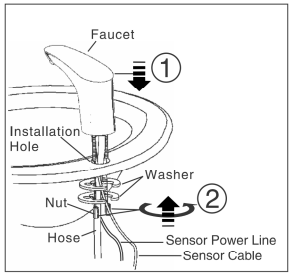
| No. | Part Name | Q'ty 8800 | 8810 | 8820 | 8805 | 8815 | 8825 | 8806 | 8816 | 8826 |
|---|---|---|---|---|---|---|---|---|---|---|
| 19 | Fixed mount | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 20 | Screw | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 |
| 21 | Anchor | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 22 | Screw | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 23 | Valve box | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 24 | Cover | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 25 | Washer | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 26 | Hose | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 27 | Screw | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 28 | Gaskets | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 | Connector | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30 | Flow valve | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31 | Filter | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 32 | Solenoid valve | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 33 | Gaskets | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 34 | Control valve body | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35 | Gaskets | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 36 | Converter boxes(AC) | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 37 | Battery box | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 |
| 38 | Screw | 2 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 |
| 39 | Battery | 4 | 0 | 0 | 4 | 0 | 0 | 4 | 0 | 0 |
| 40 | Multi–connector | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 41 | Cable | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 |
| 42 | Nut | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| 43 | In–hex wrench | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 44 | Washer | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 45 | Regulator | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 46 | Connector | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |



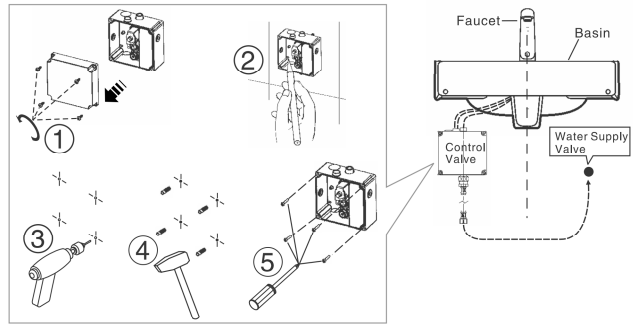
## Installation

### 1 Faucet Installation

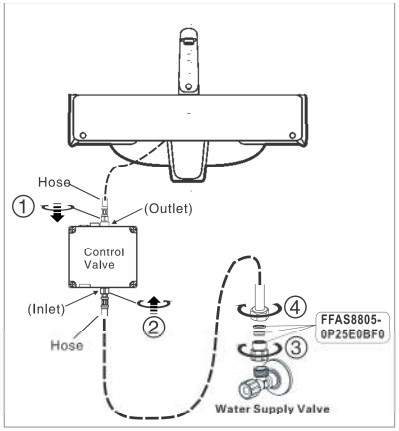
* Consult the dimension drawing and lay the pipes.
* Wash and clean the water supply pipeline.



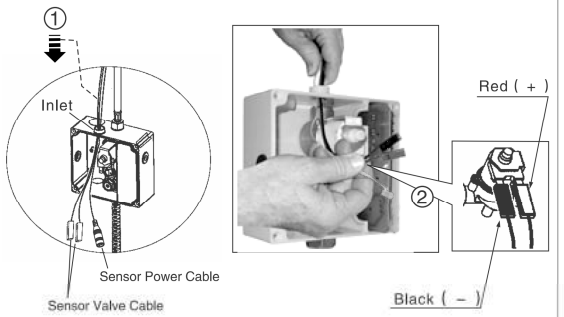

### 2 Control Valve Installation




### 3 Hose Connection




### 4 Sensor Cable Connection




### 5 Battery Installation (DC) ( 8800 / 8805 / 8806)

**Warning: While the sensor light starts flashing after power is available, nothing should be close to the sensor to avoid changing the default detection range.**