



PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			PAGE	

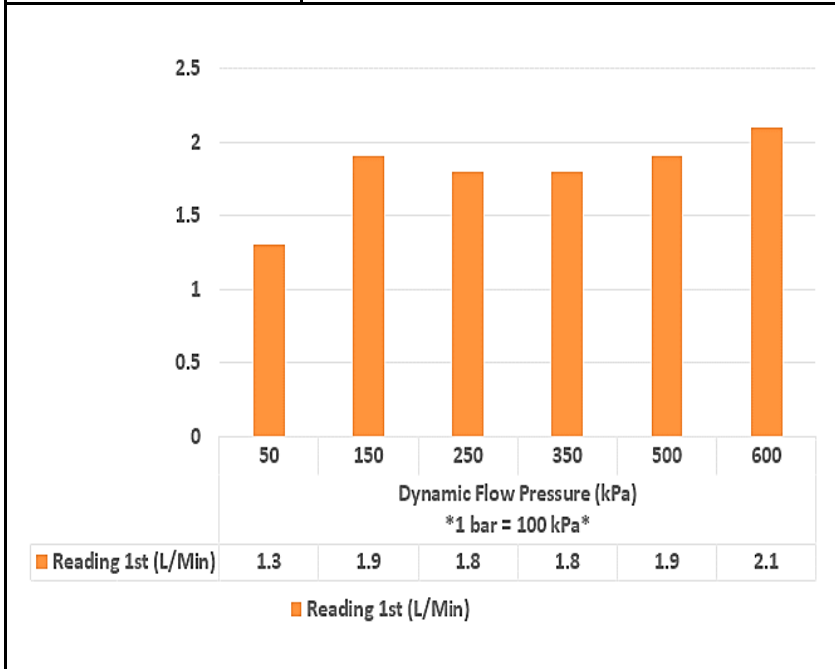
SANITARY WARE SPECIFICATION SHEET

Item Descriptions	American Standard (PRC) "Selectronic" Chrome plated casted spout sensor faucet; nominated flow rate 1.7 L/min in WELS Grade 1 ; Registration No. TN 22-0016
Dimensions	Refer to drawing
Model	WF-8805.000.50 (DC supply sensor tap) 403986040 (Aerator)
Finish	Chrome Plated
Manufacturer	American Standard (PRC)
Source	Ka Shing Enterprises (H.K) Limited Mr. Ivan Lau / Mr. Gilman Yuen
Contact Tel/Fax	(852) 2628-0661 / (852) 2490-2700
E-mail	kashing.project@gmail.com
Website	www.kashingehk.com

Illustration/ Drawing

Technical drawing dimensions (mm):

- Spout height: 131mm (5-1/8)
- Spout width: 141mm (5-1/2)
- Spout depth: 49mm (2)
- Mounting hole diameter: 81mm (3-3/16)
- Mounting hole offset: 32mm (1-1/4)
- Mounting hole spacing: 125mm (4-7/8)
- Mounting hole depth: 114mm (4-1/2)
- Mounting hole diameter: 500mm (20)



Sensor	Infrared Sensor
Valve	Solenoid Valve
Battery	Lithium battery
Operating range	5mm to 250mm max
Inlet	G 1/2"
Water pressure	0.05 MPa ~ 0.75 MPa
Material	Brass
Surface	Chrome Plated
Origin of Country	PRC

Surface Treatment : Ni>=5.0u, Cr>=0.2u
Life cycle : 200,000 cycle

Inner Box size (mm) : 310*210*120
Carton size (mm) : 440*330*360
Q' ty / Box: 6 pcs
Product weight : 2.43 Kg

* All information of the above is for the reference only. No prior notice is made if any changes.

註冊號碼 (Registration No.): TN 22-0016



自願參與用水效益標籤計劃 - 水龍頭
Voluntary Water Efficiency Labelling Scheme - Water Taps

Certificate of Registration
註冊證書




茲證明
This is to certify that

將下列水龍頭在本計劃內註冊：
has registered the following water tap under this scheme :

牌子 / Brand	:	American Standard + Grohe
型號 / Model	:	WF-88X5.000.50 + 403986040
種類 / Type	:	Non-mixing
原產地 / Country or Region Origin	:	China (Tap) Germany (Flow Controller)

X – denotes the type of power source

在用水效益標籤上展示的標誌 <i>Symbolic Presentation on the Water Efficiency Label</i>	:	 滴水點 <i>Water droplet(s)</i>
用水效益級別 <i>Water Efficiency Grade</i>	:	1 with additional merit*
耗水量 <i>Water Consumption</i>	:	1.7 公升/分鐘 <i>litres/minute</i>

*with additional merit of "Automatic closing mechanism"

簽發日期: 7 January 2022
Date of Issue:

 水務署
Water Supplies Department



水務署署長(尤孝賢代行)
for Director of Water Supplies



水務署
Water Supplies Department

總部 Headquarters

香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (6) in WSD 3321/2021 T/J(281/2021)
Our ref.
來函檔號 :
Your ref.

電話 :
Tel.
傳真 : 2824 0578
Fax.

6 October 2021



**Approval of "AMERICAN STANDARD" Sensor Tap
(General Acceptance No. C20211086)**

Your letter ref. WRC/2476 dated 29 January 2021 and subsequent submissions received by this department up to 30 August 2021 refer.

Having considered the test report ref. 25353r1 issued on 28 May 2021 by Nutek Systems (HK) Ltd. and WRAS certificate, this Authority accepts that the fitting described below complies with, and its use when correctly installed does not contravene, the Waterworks Ordinance and Regulations.

Name of Manufacturer: Jiangmen LIXIL AS Sanitary Fitting Manufacturing Co Ltd

Country of Origin: the Mainland of China

Brand: American Standard

Details of Fitting: 1/2" Deck mounted sensor tap with 1 no. of flexible hose approved by UK's WRAS under ref. 1909363

Model: WF-88X5.000.50
(where "X" denotes the type of power source)

Body Markings: *American Standard*



Expiry Date: 30 September 2024

This Authority hereby permits the use of the above fitting in fresh water plumbing systems subject to full adherence to Waterworks installation requirements. In particular, you are required to draw your customers' attention to the following requirement-

"A stop cock or gate valve must be installed at the upstream of the fitting for manual isolation of water supply." AND

"The main voltage operated sensor valve should comply with the electricity safety regulation for applications in bathroom, toilet etc."

A condition of this acceptance is that the fitting to be installed shall be replicas of the sample as certified by the testing agent mentioned above and without modifications. This acceptance may be withdrawn at any time if the standard of the fitting installed fail to meet that of the approved sample or if the fitting is found to be unsuitable for use in fresh water plumbing systems.

This acceptance is only applicable to the main body of the fitting, unless otherwise specified.

For the use of the fitting in any project, the General Acceptance Number of this letter must be quoted as a means of identification of acceptance of the fitting by this Authority.

Should you have any enquiries, please contact our Engineer Ms. Winnie LO at tel. no. 3583 4086.

Yours faithfully,



(Roger WONG)
for Director of Water Supplies

Encl.

c.c. WSD 3321/1/82] - without catalogue
ME/MC] - with soft copy only

General Acceptance No. C20211086

Recommended Tools and Materials



Adjustable Wrench



Level



Screwdriver



Tape Measure



Teflon Tape



Pencil



Electric drill



Sinker

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 set 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.

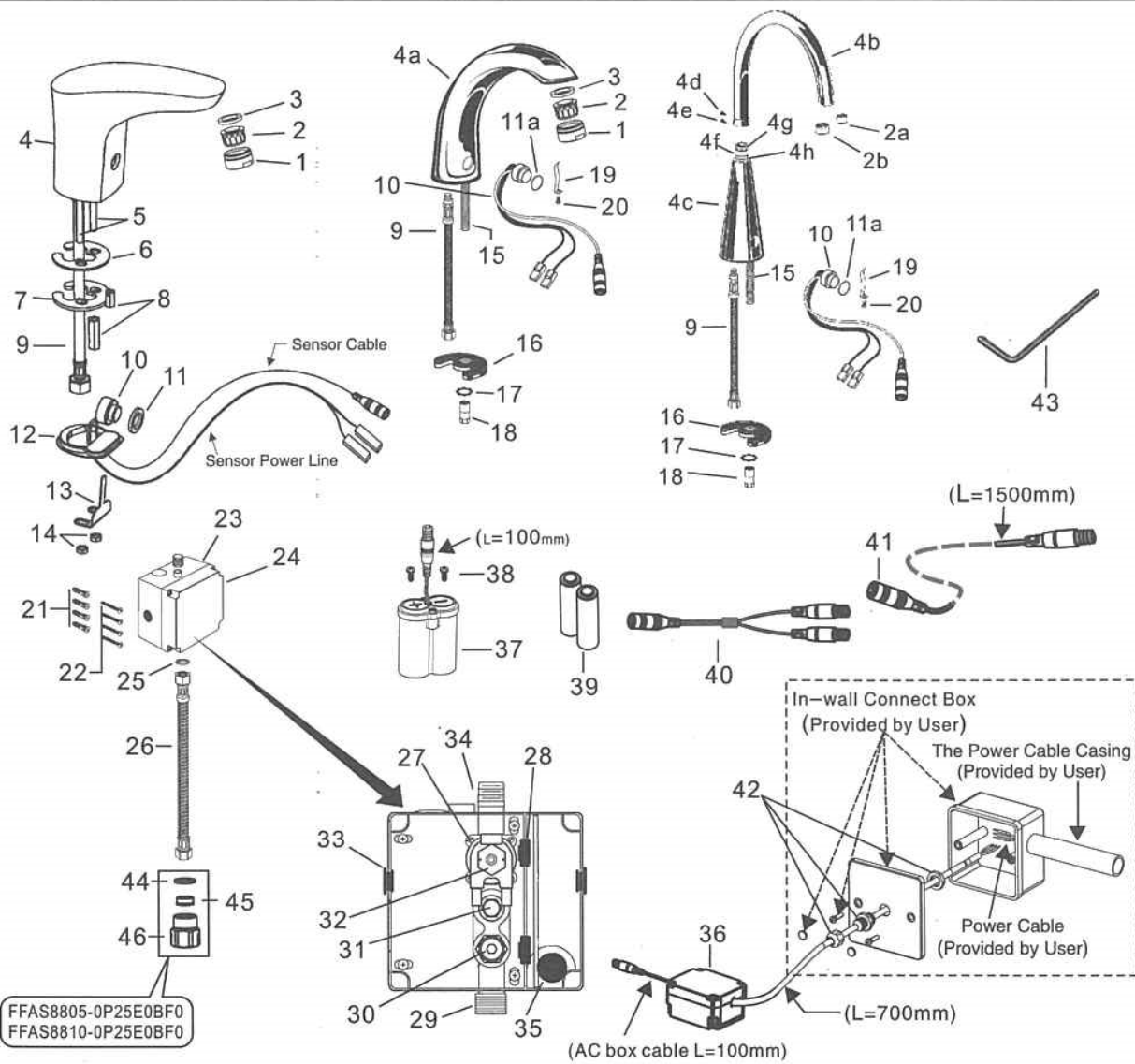


Take off the sensor protection label after finish installation

Specification

Type power supply	WF-8800.000.50 (DC) – Lithium Battery 6V A-8800-000-50(WF-8800.000.50) (DC) – Lithium Battery 6V WF-8810.000.50 (AC) – 165V – 275V WF-8810.010.50 (AC) – 165V – 275V WF-8810.0W0.50 (AC) – 110V WF-8810.0P2.5E (AC)–165V – 275V WF-8810.0P5.5E (AC) – 165V – 275V WF-8820.000.50 (Multi-AC) – 165V – 275V	WF-8805.000.50 (DC) – Lithium Battery 6V A-8805-000-50(WF-8805.000.50) (DC) – Lithium Battery 6V WF-8805.0D1.50 (DC) –Lithium Battery 6V WF-8805.0P2.5E (DC)–Lithium Battery 6V WF-8815.000.50 (AC) – 165V – 275V WF-8815.010.50 (AC) – 165V – 275V WF-8815.0W0.50 (AC) – 110V A-8815-000-50 (WF-8815.0T0.50) (AC) – 165V – 275V WF-8815.0P2.5E (0.5GPM)–(AC)–165V – 275V WF-8825.000.50 (Multi-AC) – 165V – 275V	WF-8806.000.50 A-8806-AF(WF-8806.000.50)(DC) – Lithium Battery 6V WF-8816.000.50 (AC) – 165V – 275V WF-8816.010.50 (AC) – 165V – 275V WF-8816.0W0.50 (AC) – 110V WF-8826.000.50 (Multi-AC) – 165V – 275V
	Mode of the inducing	Infrared induction	
Detects Range (Kodak Gray Card)	10cm~15cm Preset 12cm		
Pressure Requirement	0.05 ~ 0.75MPa		
Supply Pipe Size	G 1/2"		
Environment Temperature	1°C ~ 55°C		
Acceptable Water Temperature	1°C ~ 45°C		
Water Saving Setting	The faucet will shut off after the valve is opened more flow 59 seconds.		

Parts List



FFAS8805-0P25E0BF0
FFAS8810-0P25E0BF0

No.	Part Name	Q'ty								No.	Part Name	Q'ty									
		8800	8810	8820	8805	8815	8825	8806	8816			8826	8800	8810	8820	8805	8815	8825	8806	8816	8826
1	Aerator housing	1	1	1	1	1	1	0	0	0	19	Fixed mount	0	0	0	1	1	1	1	1	1
2	Aerator	1	1	1	1	1	1	0	0	0	20	Screw	0	0	0	1	1	1	1	1	1
2a	Aerator	0	0	0	0	0	0	1	1	1	21	Anchor	1	1	1	1	1	1	1	1	1
2b	Aerator	0	0	0	0	0	0	1	1	1	22	Screw	1	1	1	1	1	1	1	1	1
3	Washer	1	1	1	1	1	1	0	0	0	23	Valve box	1	1	1	1	1	1	1	1	1
4	Spout	1	1	1	0	0	0	0	0	0	24	Cover	1	1	1	1	1	1	1	1	1
4a	Spout	0	0	0	1	1	1	0	0	0	25	Washer	1	1	1	1	1	1	1	1	1
4b	Spout	0	0	0	0	0	0	1	1	1	26	Hose	1	1	1	1	1	1	1	1	1
4c	Faucet body	0	0	0	0	0	0	1	1	1	27	Screw	1	1	1	1	1	1	1	1	1
4d	Screw	0	0	0	0	0	0	1	1	1	28	Gaskets	1	1	1	1	1	1	1	1	1
4e	Screw	0	0	0	0	0	0	1	1	1	29	Connector	1	1	1	1	1	1	1	1	1
4f	Clip	0	0	0	0	0	0	1	1	1	30	Flow valve	1	1	1	1	1	1	1	1	1
4g	O-Ring	0	0	0	0	0	0	1	1	1	31	Filter	1	1	1	1	1	1	1	1	1
4h	Washer	0	0	0	0	0	0	1	1	1	32	Solenoid valve	1	1	1	1	1	1	1	1	1
5	Bolt	2	2	2	0	0	0	0	0	0	33	Gaskets	1	1	1	1	1	1	1	1	1
6	Washer	1	1	1	0	0	0	0	0	0	34	Control valve body	1	1	1	1	1	1	1	1	1
7	Washer	1	1	1	0	0	0	0	0	0	35	Gaskets	1	1	1	1	1	1	1	1	1
8	Nut	2	2	2	0	0	0	0	0	0	36	Converter boxes(AC)	0	1	0	0	1	0	0	1	0
9	Hose	1	1	1	1	1	1	1	1	1	37	Battery box	1	0	0	1	0	0	1	0	0
10	Sensor	1	1	1	1	1	1	1	1	1	38	Screw	2	0	0	2	0	0	2	0	0
11	Washer	1	1	1	0	0	0	0	0	0	39	Battery	2	0	0	2	0	0	2	0	0
11a	O-Ring	0	0	0	1	1	1	1	1	1	40	Multi-connector	0	0	1	0	0	1	0	0	1
12	Washer	1	1	1	0	0	0	0	0	0	41	Cable	0	0	1	0	0	1	0	0	1
13	Holder	1	1	1	0	0	0	0	0	0	42	Nut	0	1	0	0	1	0	0	1	0
14	Nut	2	2	2	0	0	0	0	0	0	43	In-hex wrench	1	1	1	1	1	1	1	1	1
15	Shank	0	0	0	1	1	1	1	1	1	44	Washer	0	1	0	1	0	0	0	0	0
16	Washer	0	0	0	1	1	1	1	1	1	45	Regulator	0	1	0	1	0	0	0	0	0
17	Washer	0	0	0	1	1	1	1	1	1	46	Connector	0	1	0	1	0	0	0	0	0
18	Nut	0	0	0	1	1	1	1	1	1											

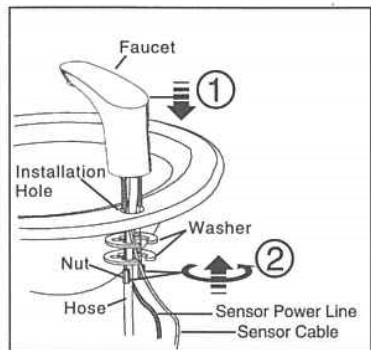
Installation

1. Faucet Installation

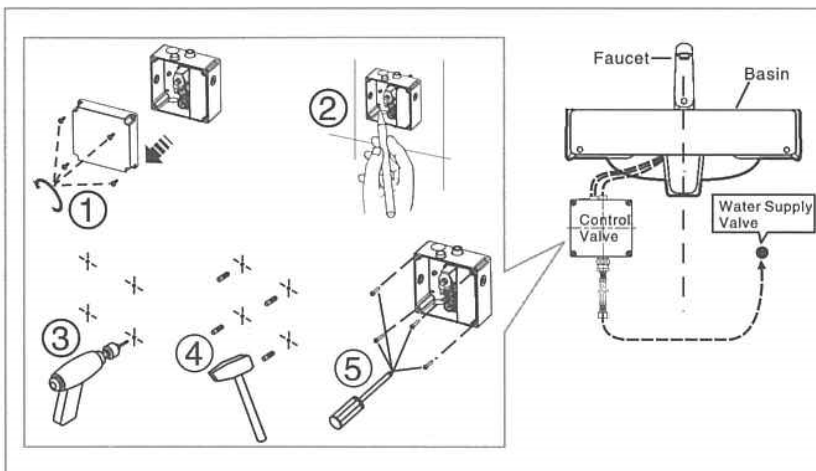
2. Control Valve Installation

1 Faucet Installation

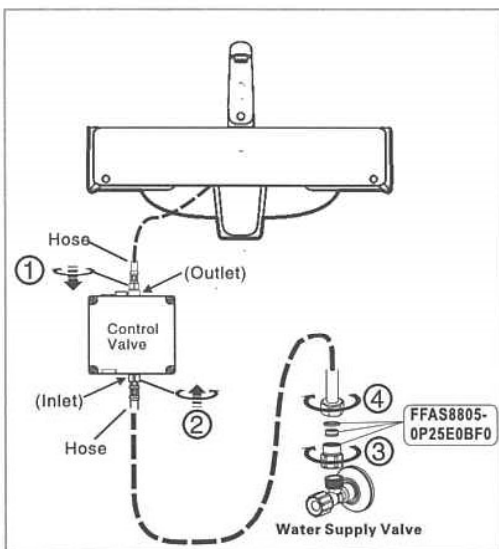
- * Consult the dimension drawing and lay the pipes.
- * Wash and clean the water supply pipeline.



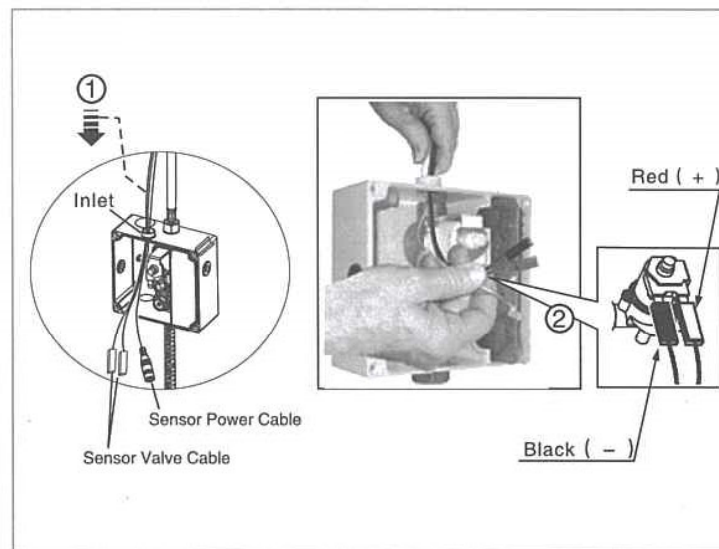
2 Control valve installation



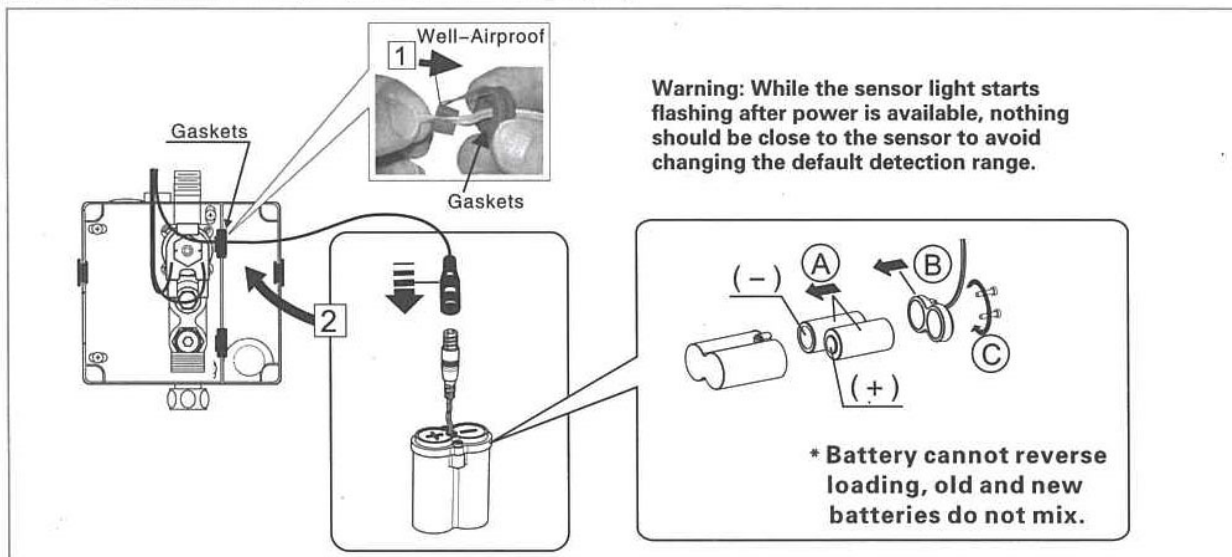
3 Hose Connection



4 Sensor Cable Connection



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



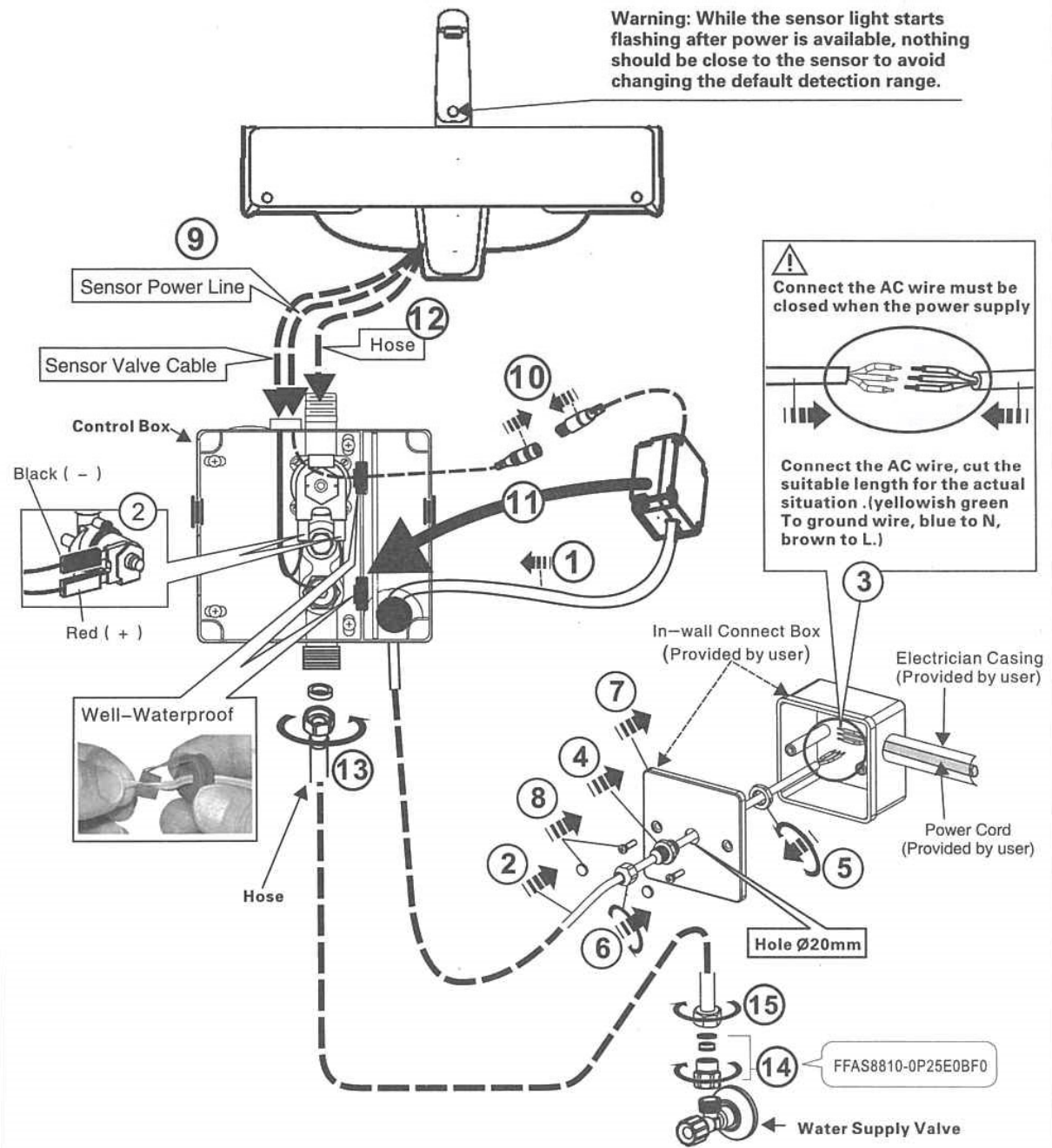
Installation

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

Notes:

1. Turn off the electrical source and shut down water supply before installation.
2. Installation must be 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 $\geq 1\text{mm}^2$, 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.

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.



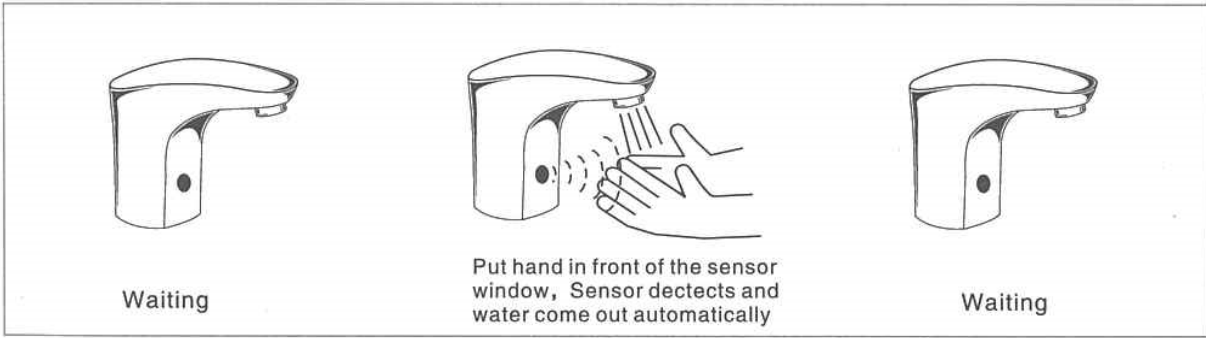
Usage Instruction

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 detect and flush, When leave the detection zone, valve will stop, and waiting for start.

* Make sure no thing in sensor zone.

2 Usage



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.

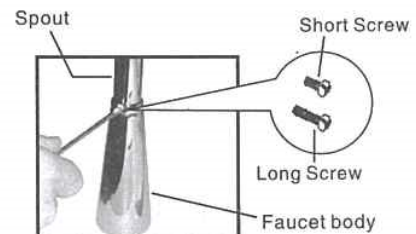
Water Temperature adjust (Non-thermostatic Valve)

* 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.



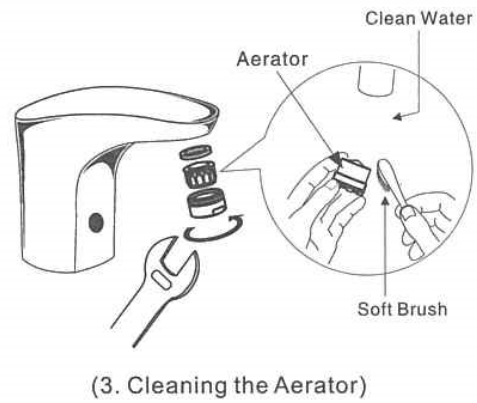
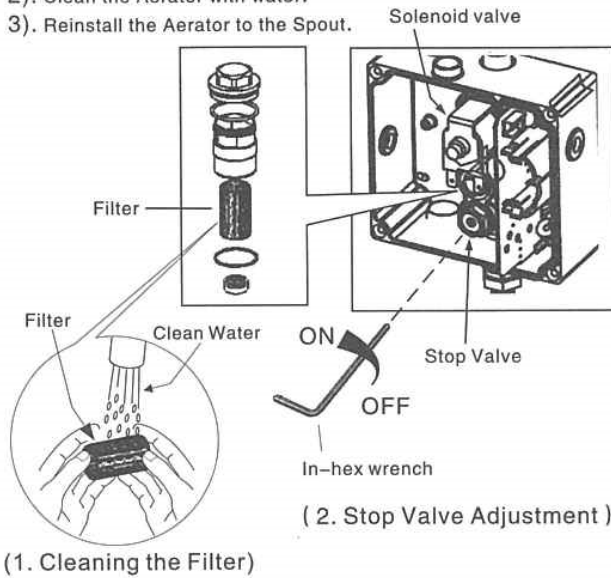
Maintenance & Repair

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.

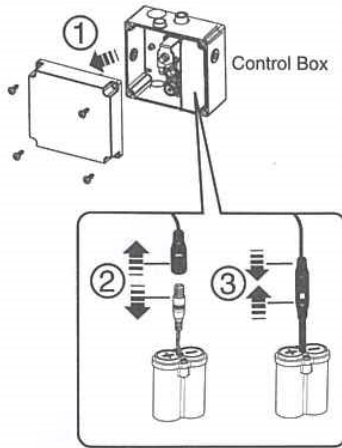
If necessary, you could clean the aerator too as per below step

- 1). Screw off the Aerator from the Spout.
- 2). Clean the Aerator with water.
- 3). Reinstall the Aerator to the Spout.

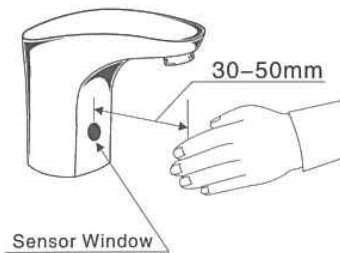


Detection Zone Adjustment

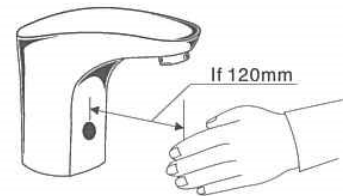
1. Open the valve box, unplug power wire from battery box, wait for a moment then plug it again.



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 No Flow	No battery or the battery installed wrongly or no power supply Something around the sensor is detected all the time	Install battery and connection power supply Remove the things around the sensor

	<p>detected all the time Sensor window is dirty The connection is not connected correctly</p>	<p>sensor Clean the sensor window Check the connection Replace the bottery if the old one is used out</p>
<p>Has detection but no flow</p>	<p>The stop valve is closed Somethings around the sensor is detected all the time Sensor window is dirty</p>	<p>Open the stop valve Remove somethings around the sensor Clean the window</p>
<p>Low water flow</p>	<p>The stop valve is not opened entirely The filters are blocked Low water pressure</p>	<p>Open the stop valve entirely Clean the filters Contact with water supply department</p>
<p>Water flow nonstop</p>	<p>Something around the sensor is detected all the time The Solenoid Valve are blocked</p>	<p>Remove the things around the sensor Clean the Solenoid Valve</p>