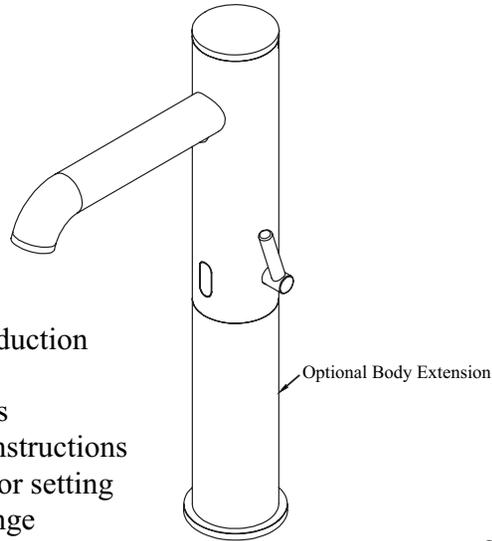


Installation Instructions

For CYS-990 Automatic Mixer Faucet



CYS-990

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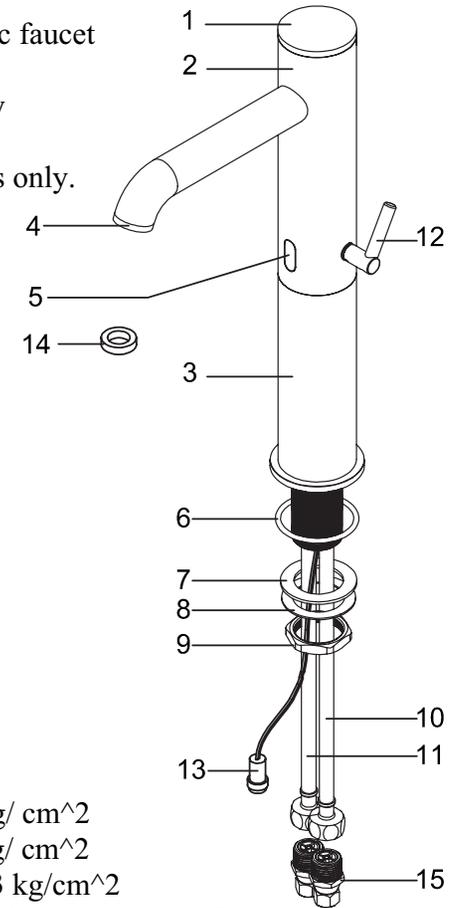
1. Product Introduction:

The CYS Automatic Mixer Sensor Faucet is a deck mount, chrome plated electronic faucet that is ideal for high end or private institutions that call for the convenience of automatic hands free activation. With the choice of power sources (AC or DC), side temperature control lever, optional vessel extension, the CYS has the options and flexibility customers demand.

2. Parts list:

Illustration of CYS /automatic faucet

- (1) Main body lid
- (2) Chrome-plated brass body
- (3) Optional Body Extension for vessel sinks only.
- (4) Aerator
- (5) IR sensor
- (6) O-ring
- (7) Rubber ring
- (8) Plastic ring
- (9) Shank nut
- (10) Cold water hose
- (11) Hot water hose
- (12) Temperature adjuster
- (13) AC/DC Jack
- (14) Magnet
- (15) Check valves



3. Specifications :

- <a> Working pressure :
 high water pressure 15kg/ cm²
 low water pressure 0.2kg/ cm²
- Internal pipe pressure : 3 kg/cm²
 under the pressure of 1.5kg/ cm² water flow
- <c> Working temperature: 2°C ~ 90°C
- <d> Sensing distance preset: 2 ~ 17 cm (default 14cm)
- <e> Weakness of power : Red LED flashing / 0.5 sec
- <f> Weak power : The Red LED keeps ON.
- <g> Lower power warning : 4.9V + - 5%
- <h> Voltage stops at weak power : 4.6V + - 5%
- <i> Response time : 0.3 sec
- <j> Shut-off Delay time : 1-2 sec
- <k> Power of solenoid valve: 0.5W
- <l> Power: DC 6V, No.3 alkaline battery x 4 pcs

4. Installation Instructions:

1. <Installation Steps:>

A. Switch off the fitting (Fig.1)

B. Take the guide wire, inlet and outlet hoses and thread through the installation hole smoothly.

C. Under the deck, guide the two studs through the two holes on the rubber washer (7) and compressive washer (8). Place the guide wire in the middle of the compressive washer (8). Make sure the open-end faces outwards. (Same direction as the Sensor eye faces.) (Fig.2)

D. Use a wrench to fix the set nut (9) under the compressive washer (8). Fix the brass body (2) above the deck.

E. Remove the main body lid (1). Take out the battery case. Unscrew the screw on the battery cover. Install 4 new AA Alkaline batteries. Ensure the two poles point to the right directions. Place your hand before the sensor eye to test the on/off functions of the solenoid valve. When the solenoid valve is open, the sound is clear. When the solenoid valve is close, the sound is unclear. Install the battery case. Cover the main body lid (1). (Fig.3)

F. Connect the cold hose (11) to cold water fitting; connect the hot water hose (11) to hot water fitting. (Fig.3)

G. Switch on the cold (11) and hot water fittings (12). Place your hand under the aerator. The sensor eye (4) will blink once. Water starts running. Remove the hand from the sensing distance. Water stops running. (Fig. 3)

H. If water delays to stop for more than 2 seconds after the hands are off the inducing range, please reset the sensor position by shortening the sensing distance. The water stop time must be within 1 second.

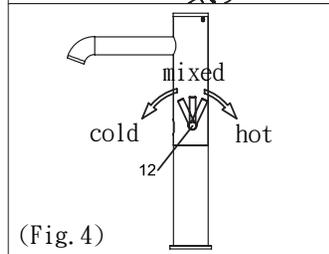
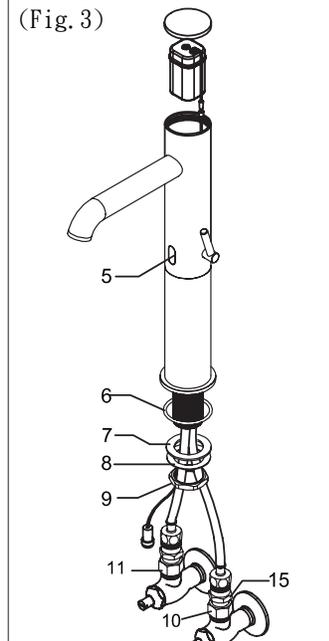
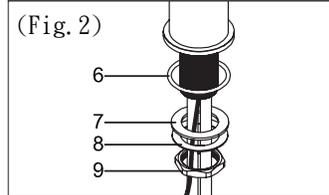
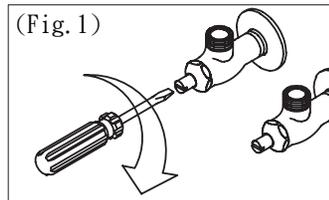
I. Connect the check valves to the angle stops.

2. <Instructions for temperature adjustment.> (Fig.4)

A. Push forward the temperature adjuster (12) for hot water.

B. Push backward the temperature adjuster (12) for cold water.

C. Set the temperature adjuster (12) to the middle for mixed water.



5. Instructions for setting the sensor range:

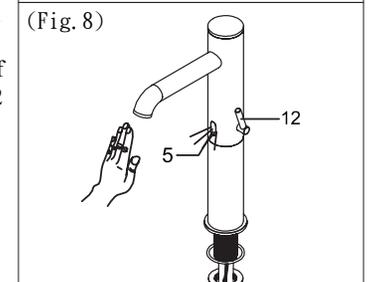
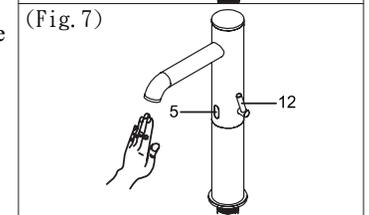
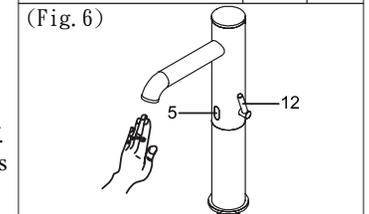
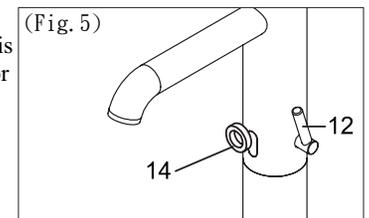
A. This is a digital infrared distance adjustable sensor, it is different from the conventional type sensor whose resistor can be changed by turning the button. Therefore, do not attempt to apart it, or the sensor won't function normally, or even be damaged. Please read the operational instructions carefully before installation. It teaches you how to correctly adjust the inducing distance.

B. Switch off the cold and hot water fittings. Place the magnet (14) to the left side of the sensor eye and move it closer to the sensor eye (4), and remain for 3-5 seconds. The sensor eye will blink on for setup mode. (Fig.5)

C. Remove the magnet (14), the sensor eye will blink off. Move your hand back and forward slowly which activates the scanning process for the sensor eye. Place your hand to the desired range (Fig.6). Place the magnet (14) to left side of the sensor eye and move it closer to the sensor eye (4), and hold it for 5 seconds. The sensor eye will flash a few times (Fig.7). Remove your hand. The new sensor range will be input to the memory system. It's ready to function. (The recommended sensor range is 1.0 cm before the spout.)

D. Switch on the hot and cold water fittings. Move your hand into the distance setting range to activate the sensor, and the indicator will flash once. At the same time water begins to flow. Retract your hand off the sensing range of the sensor, water will stop. If water delays to stop over 2 seconds after your hand is off the sensing range, please reset the sensor by shortening the sensing distance. Then, the water stop time will be within 1 second. (Fig. 8)

E. The default sensor range is 14 -15 cm



6. Notes:

Please read this operational manual carefully before installation, and turn off the water valve.

<a.> Prepare 4 new batteries (No.3 alkaline battery).

<b.> Verify if the installation diameter of the washbasin is smaller than 35mm. If the diameter cannot fit, please consult the plumbing material supplier nearby for replacing with a suitable washbasin.

<c.> Do not spray insecticide, flammable liquid, strong acid liquid or strong alkaline liquid on the copper body or the control box.

<d.> Please wash the copper body and the control box with neutral detergent.

<e.> Keep the sensor lens clean. Wipe it with lens tissue paper.

<f.> Spread protective wax or a little bit of baby lotion on the lens periodically. It can eliminate the vapor, and avoid incorrect inducing.

<g.> The inducing action will make the indicator flicker once.

<h.> If the indicator keeps on shining, CPU will stop action immediately. Please immediately replace with new batteries.

<i.> Remove the impurities on the filter net periodically.

<j.> If the sensor faucet has been standing by for 30 minutes, the water will delay about 2 seconds when reactivated. This is considered normal.

7. Additions

1. Add Optional Body Extension installation step under Installation Instructions