Sensor Faucet Introduction

Application

锐洁源智能
RAJEYN INTELLIGENT

Appearance

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RJY-60-B102AD

Configuration

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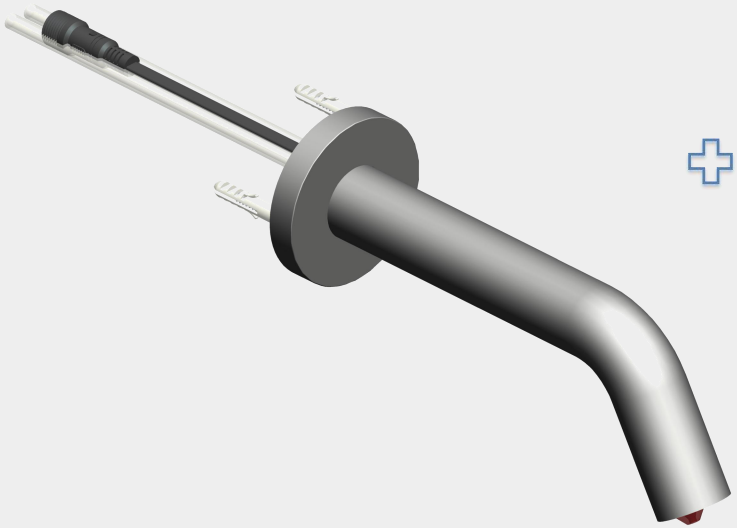
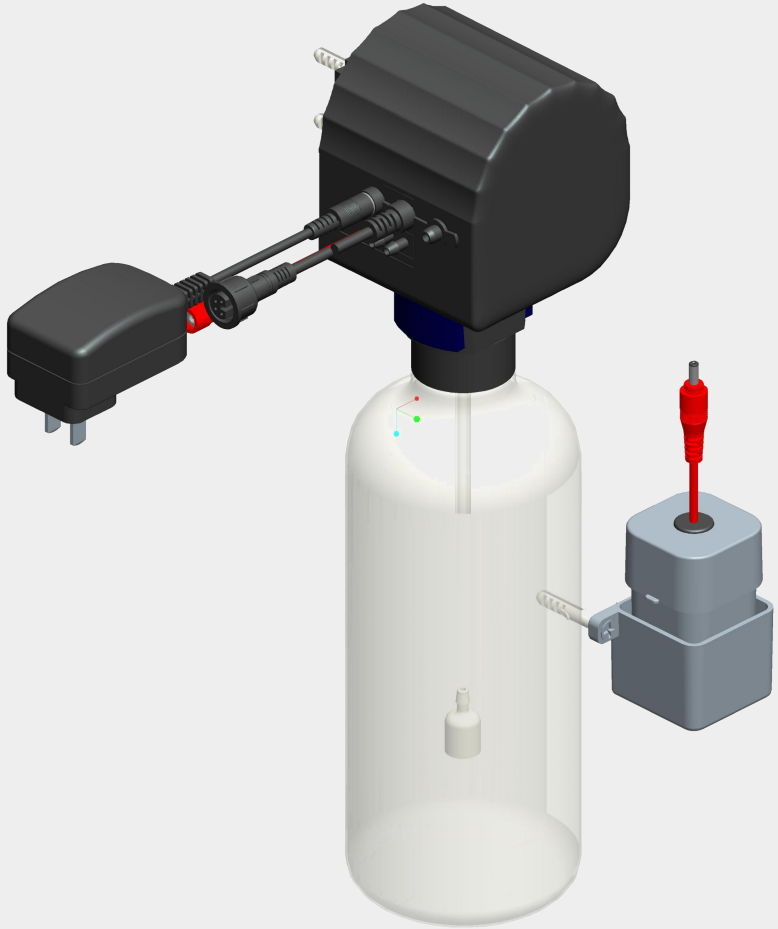


龙头主体



阀盒模组

Dimension

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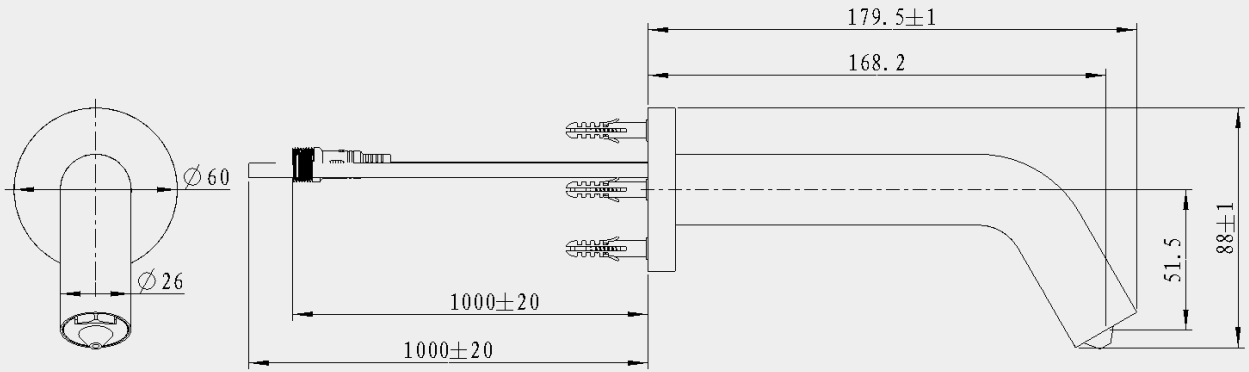

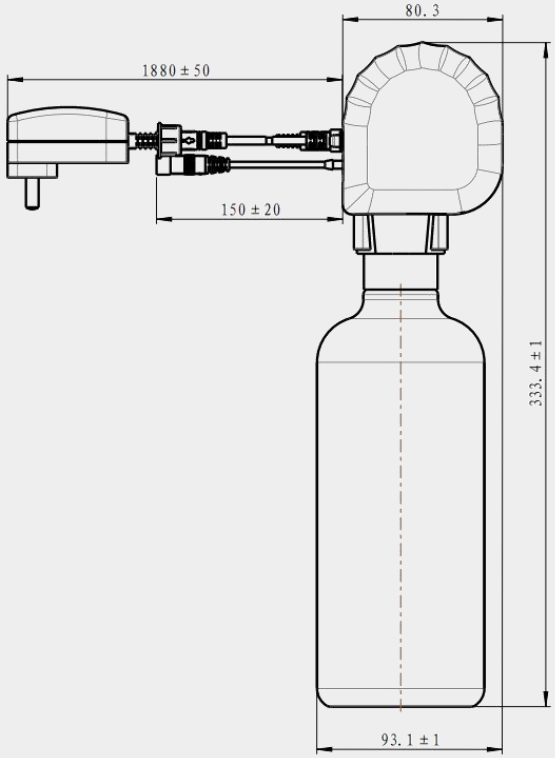

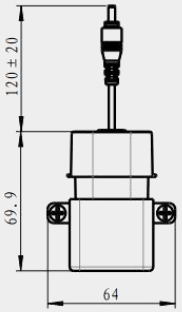

Technical parameters

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NO.	Items	Parameters
01	Power supply	DC 4.5-6.4V 4 AA alkaline batteries/AC110-240V adapter--Output: 5.0-6.5V/1A (Ripple<60mW)
02	Static consumption	≦ 33 uA
03	Sensor distance	1、Adjustable sensor range: 7-21CM 2、Default sensor distance: 12CM（Standard 29*29cm white board）
04	Sensitivity	0.512 s
05	Dispense time	Default 1.5s（Adjustable by remote, range 0.5-9s, 0.5s each shift ）
06	Single volume	About 1.5mL（1.5s）
07	Working temperature	0 ~ 50 ℃
08	Storage temperature	- 40 ~ 80 ℃
09	Relative humidity	10 % - 95 %
10	LED flashing	1. LED light flashes 5 times when power-on 2. LED light flashes once when obstacles detected 3. LED light flashes for 10s with 0.5 each time when it is low power 2.4±0.1V
11	Program	Soap dispenser gives soap for a certain time
12	Stability	Voltage stability: When voltage decreases from 3.2V to 2.4V, the sensor distance variety is lower than ±10%
		Temperature stability: When temperature increase from 0℃ to +70℃, the sensor distance variety is lower than ±10%
13	Anti-interference	No malfunctions when same models installed at 50cm interval working at the same time
		No malfunctions when working with 1kw hair drier at and light 40w electronic ballast fluorescent lamp when with one AC socket and when at 2cm with batteries power supply.
		Sensor distance variety no more than ±10% when light is 50lx at 45° position
14	Response time	Open≤1s, close≤1.5s
15	Soap bottle	About 1000mL
16	Rate	About 1mL/S
17	Battery life span	About 8000-10000 times（1.5s each time with EXCELL AA alkaline batteries）
18	Pump life span	≥100,000 times（1.5s each time）
19	Max. installation load	20N*M

Package

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Selling point

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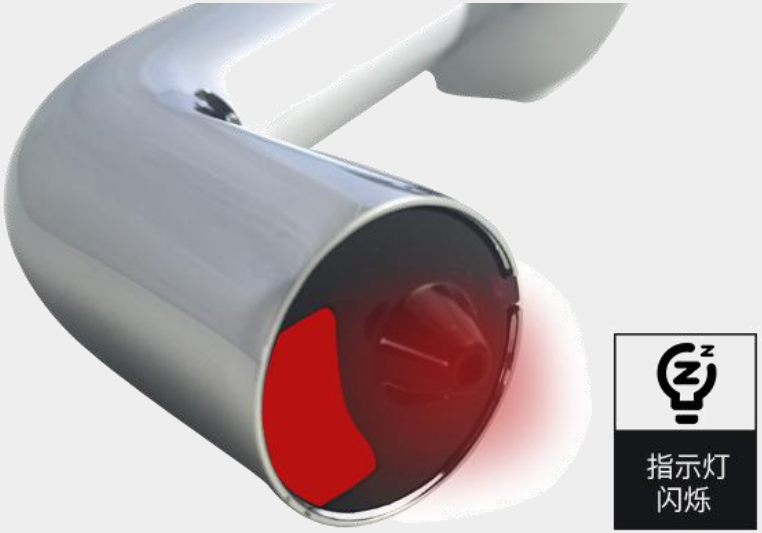
IR sensor

Low power indicator

LED light on the sensor flashes when battery power is low to indicate battery replacement.



Soap dispenses for a certain time when hands enter the sensor range and stops automatically

Intelligent sensor technology, touch free and automatic soap dispenser. Hygienic and convenient. Dispense time adjustable by remote.

Selling point

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1000ML large capacity soap bottle

It can last about 1-2 months at 20 times per day

High-precision technology

ABS + Chroming brass faucet body. Anti-corrosion and durable.

Selling point

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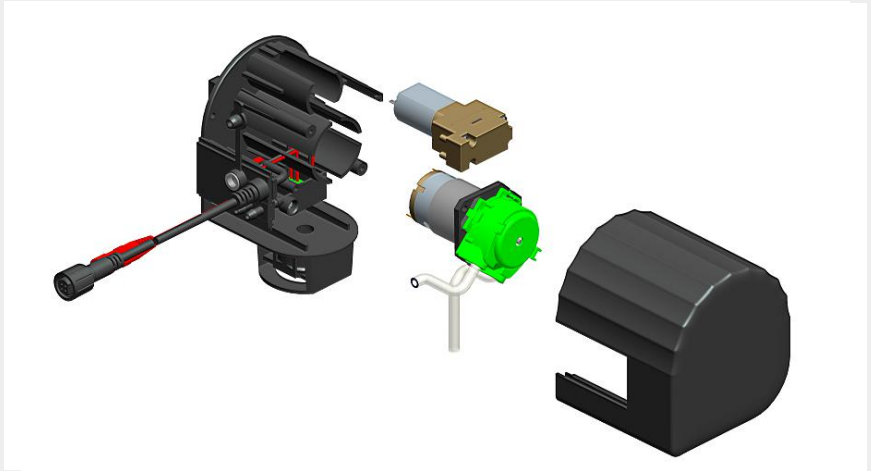
Durable silent peristaltic pump + air pump
The life span of product is over 100,000 times. It will be over 10 years at 30 times per day.



Soft foaming soap
Soft foaming soap for better deep cleaning and protect skin

Selling point

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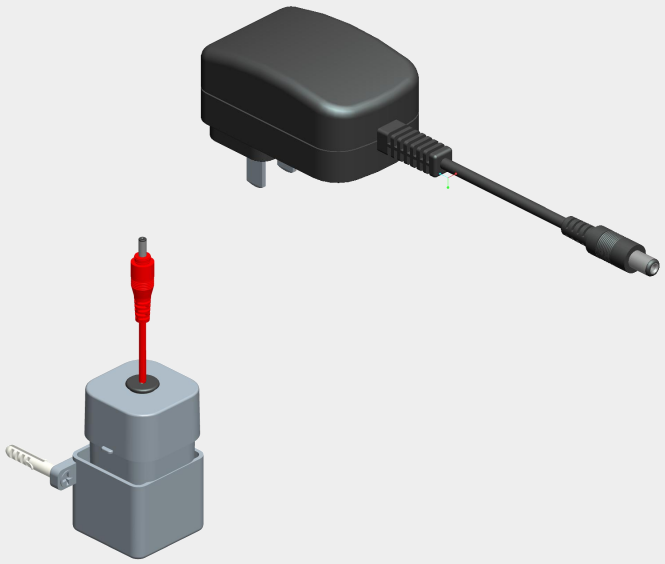
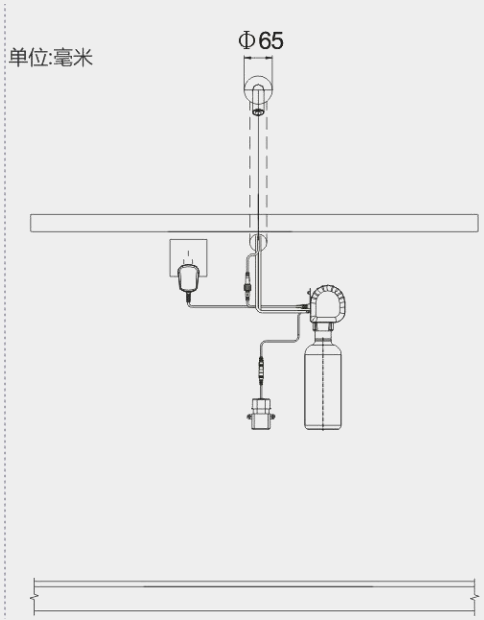


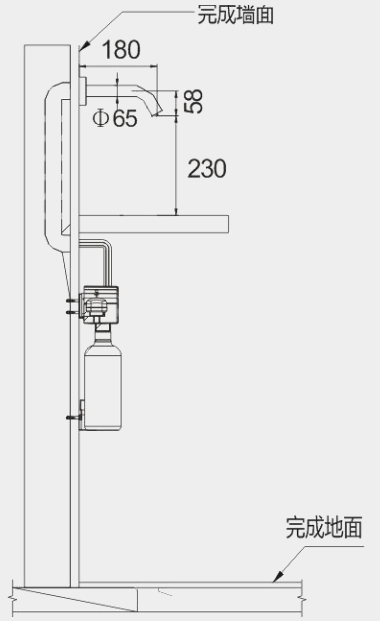
AC/DC power supply.

110-240V adapter for AC power supply. 4 AA alkaline batteries for DC power supply.

Easy for installation

Integrated design with quick connector. The control box can be installed according to the actual environment.





Advantages

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Anti-electromagnetic Interference

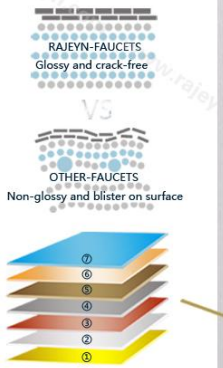
The faucets work as usual even if in strong electro-magnetic interference area.

Made of Refined Brass

Faucets body is made of high quality brass.

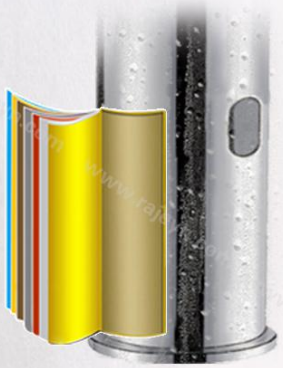
使用寿命

Sensor: 500,000 times
Pump: 100,000 times



Multi-layer Plating

Faucets pass 24 hours salt and spray test.



低功耗

1000 times per month
8-10 months

Installation

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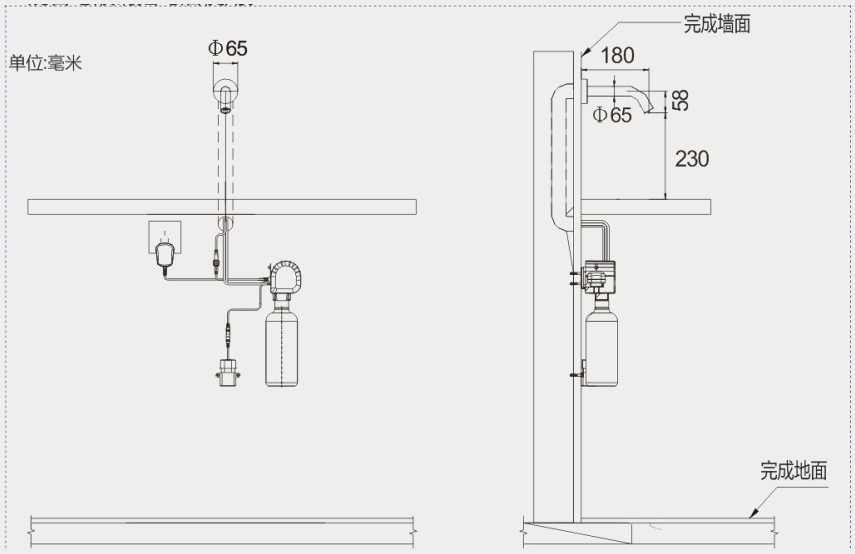
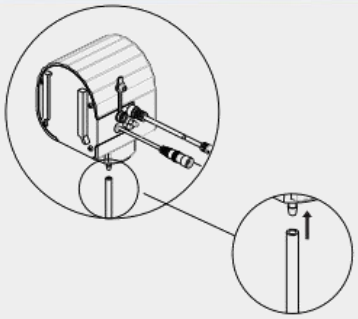
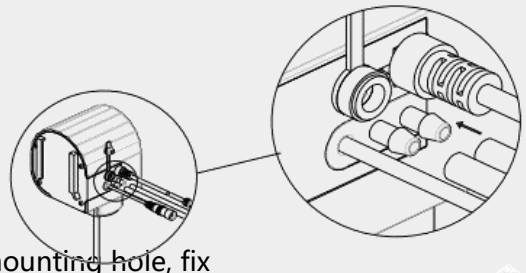




图C-1



图C-2

图C-3

Step 1: Take out the soap dispenser faucet and unscrew the flange seat, align it with the wall mounting hole, fix it on the wall with expansion screws and tighten the flange seat.

Step 2: Connect the straw unit to the soap dispenser control box.

Step 3: Punch holes on the wall below the basin, and fix the battery box bracket and control box bracket on the wall with expansion screws (the battery box bracket can also be attached to the wall with 3M double-sided tape).

Step 4: After installing the batteries in the battery box, put the battery case into the bracket.

Step 5: Fill the soap bottle with soap liquid and snap it into the quick connector of the control box.

Step 6: Connect the two hoses on the faucet module to the two holes on the control box of the soap dispenser.

Step 7: Connect the black wire of the faucet with the black wire on the control box, and the red wire on the control box with the power wire of the battery box, and connect the power adapter wire to the DC socket on the control box.

Step 8: Fix the control box to the control box bracket.

Replace the bubbler and battery

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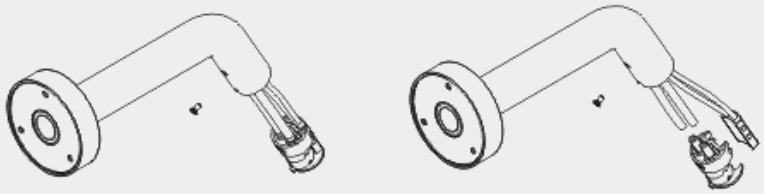
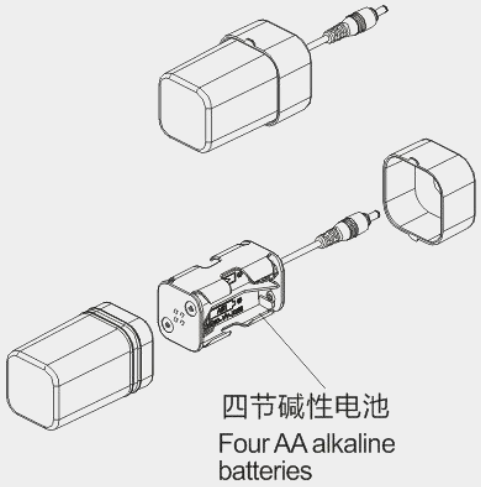


Step 1: Use the "hexagonal" wrench to take out the screw fixing the soap bubbler. Disconnect the hoses and the bubbler, and take out the soap bubbler.
Step 2: Connect the new soap bubbler to the hoses, and fix the sensor on the soap bubbler, and then install the soap bubbler into the faucet.
Step 3: Use the "hexagonal" wrench to fix the soap bubbler on the faucet.。



Step 1: Remove the battery box and remove the battery box cover.
Step 2: Take out the old battery, replace it with a new AA battery, and reinstall it as it is after checking.

Note: The positive and negative polarity of the battery must be correct, and old and new batteries or batteries of different brands cannot be mixed.

***When the battery is exhausted, the indicator flashes, prompting to replace the battery. The soap dispenser no longer dispenses soap.**

Trouble shooting

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Phenomenon	Cause	Solutions
After induction, the indicator light does not flash, and there is no soap	AC power failure	Check the circuit and wait for the power supply
	No battery, reverse battery installation, or poor battery contact	Install the battery, or reinstall the battery after correct polarity
	The signal cable plug is not connected properly	Reconnect the signal cable plug
The sensor keeps sensing, but does not dispense soap	Obstacles in the sensing range	Move obstacles away from the sensing area
	The sensor window has stains or water stains	Wipe the sensor window with a soft cloth to clean
	Outside infrared rays exceed standard	Remove or avoid direct infrared rays from the outside world
The indicator light flashes continuously at a slow speed, and no soap.	Low battery power	Replace a set of new batteries of the same brand
After induction, the indicator light flash once, but no soap	The hoses are not connected well	Check and reconnect the hoses connection
Soap volume is small	The dispense time is too short	Adjust the dispense time with remote
	The bubbler is blocked	Clear the blockage
	Hoses are bent or tied	Check the hoses

Note: If the failure exceeds the items listed above, please contact the technicians for repair as soon as possible

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THANKS!