



# **Sensor Faucet Adapter Introduction**



# Application





# Appearance



**RJY-10-P101.1D**  
**White**



**RJY-10-P101.2D**  
**Chroming**



**RJY-10-P101.3D**  
**Rose Golden**



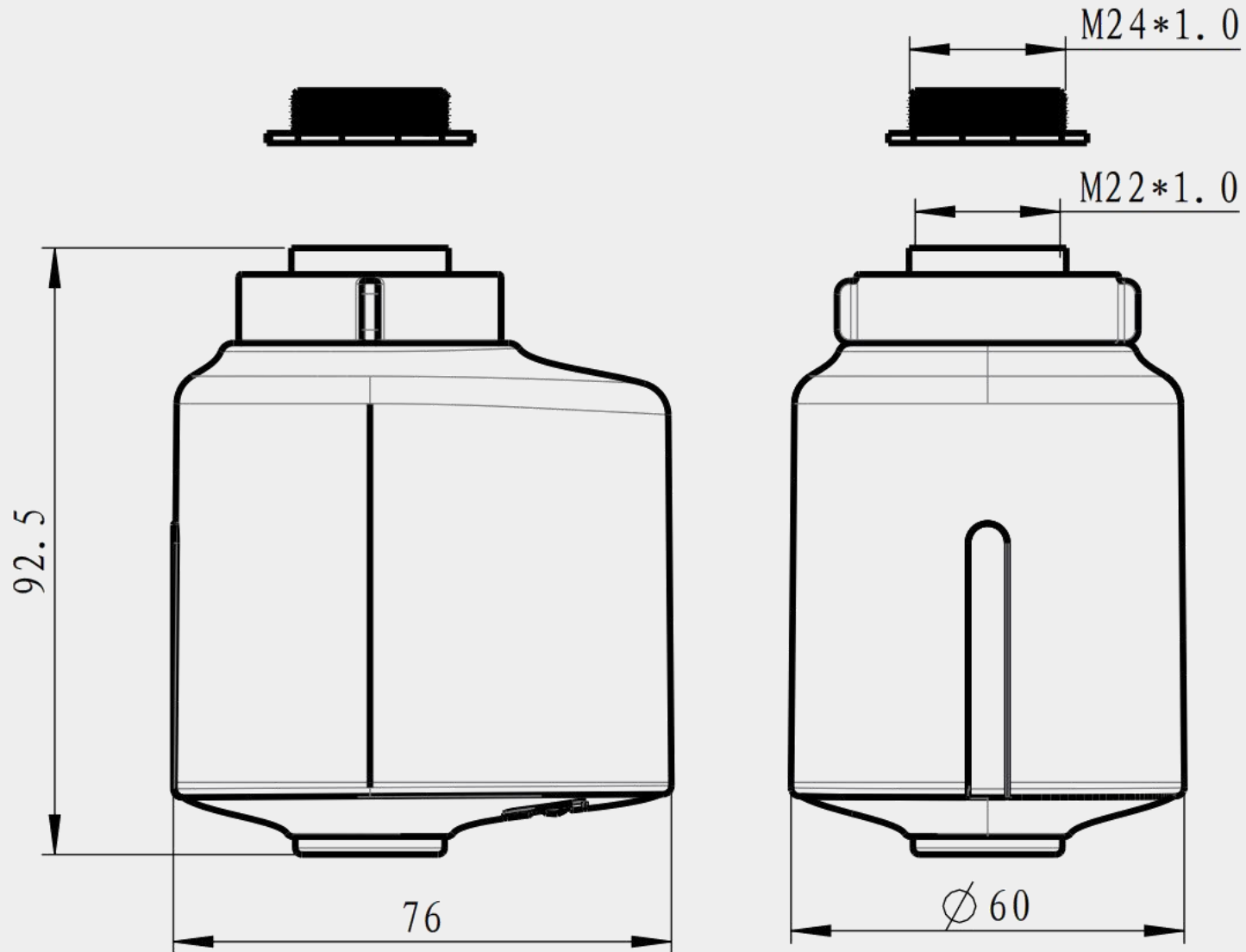
# Product



DIY Sensor faucet I



# Product Size





# Technical Data

| No | Item                                | Data  |
|----|-------------------------------------|---|
| 01 | Power                               | DC 2.4-3.2V (2AAA alkaline batteries, not include)  |
| 02 | Standby power consumption           | $\leq 40 \mu\text{A}$   |
| 03 | Sensing distance                    | 1. Adjustable distance range: 5-15CM<br>2. Factory default sensing distance: 10CM (Reference whiteboard 29*29cm, to hand about 6CM)   |
| 04 | Sensitivity                         | 0.128 s   |
| 05 | Pulse width                         | $\leq 40 \text{ ms}$  |
| 06 | Security stop                       | 180s $\pm$ 15s  |
| 07 | Working temperature                 | 0 ~ 50 °C   |
| 08 | Storage temperature                 | - 40 ~ 80 °C  |
| 09 | Relative humidity                   | 10 % - 95 %   |
| 10 | Light display                       | 1.Flash 5 times when power –on;2. Flashes once when entering the induction zone;3. Low test at 2. will flash 0.5S/time for 10S during the low test  |
| 11 | Instructions                        | Hands wave the sensor once, water flows; wave again, water stops.   |
| 12 | Stability                           | Voltage stability: The sensing distance change does not exceed $\pm 10 \%$ when power drops from 3.2<br>Temperature drift stability: the temperature rises from 0°C to +70°C and the distance change does   |
| 13 | Anti-interference                   | Install multiple units of the same model at a distance of 50cm, and when they are turned on and w<br>standby), they should not interfere with each other and cause malfunction<br>The AC power supply is connected to the same power outlet with 1kw hair dryer and 40w electronic<br>lamp. The DC power supply is connected with a 1kw hair dryer and a 40w electronic ballast daylight<br>and the appliance is turned on and off 3 times without malfunction.<br>Set the light source in the direction of 45° to make the illuminance reach 50lx, and the sensing dist<br>more than $\pm 10 \%$ |
| 14 | Switch response time                | Open $\leq 1\text{s}$ , close $\leq 1.5\text{s}$  |
| 15 | Working pressure                    | 0.05MPa-0.6MPa  |
| 16 | Flow characteristics                | Static pressure 0.1 $\pm$ 0.01Mpa, Q=4.0L/Min (Q is flow, water efficiency grade is 3)  |
| 17 | Lifespan                            | Dynamic Pressure 0.4 $\pm$ 0.02MPa; Control flow $\geq$ 0.1L/s; life test>500,000 circles   |
| 18 | Anti-installation load              | 20N*M   |
| 19 | High and low temperature resistance | Store it in a 55 $\pm$ 2°C test box for 4 hours, then put it at room temperature to restore 2H; put the jo<br>box and store it for 4 hours, then put it at room temperature to restore 2H, which meets the requir<br>and the water flow changes $\leq 5 \%$   |



# Package





# Selling point

Sensor



## Low voltage detection

When the battery is exhausted, the indicator light flashes, and the faucet no longer discharge water, indicate to replace the battery

Indicator light flashes



## No contact, wave hand to turn on/off water

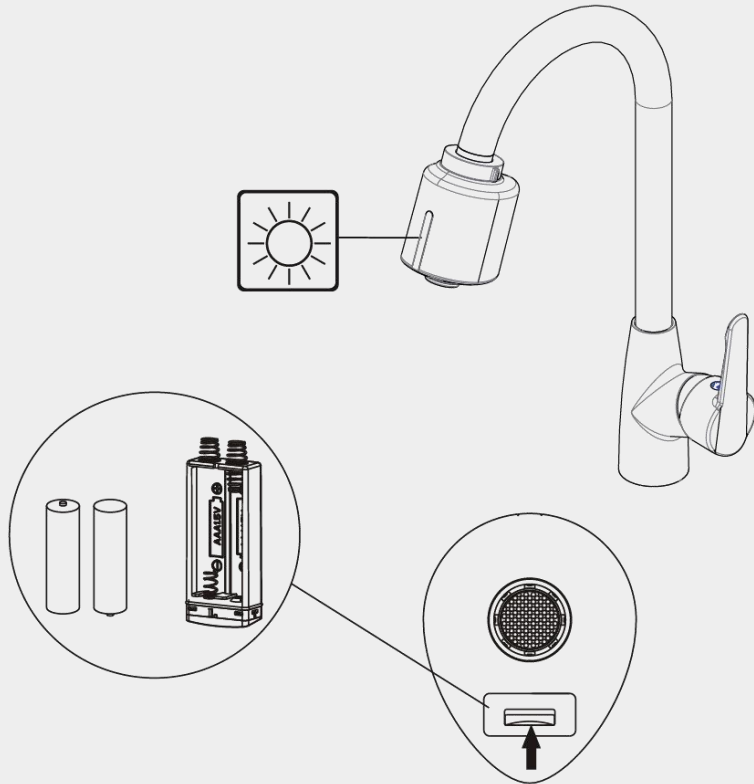
1. Microcomputer smart sensor technology, non-contact sensor technology, water will automatically flow out when hands wave once in the sensing range, and the water stops automatically after waving again, which is convenient and hygiene, prevents cross-infection, and can effectively save 65% of water

2. Water saving: automatically turn off the water after 180 seconds to prevent long-time water flow waste due to misinduction





# Selling Point



## 3V DC power, easy to replace the battery

1. Use two AAA alkaline batteries
2. Replace the battery, you only need to push the buckle at the bottom, and the battery box will pop out, and the battery can be easily replaced
3. The valve will be automatically closed when the battery is exhausted or when the power is removed for maintenance to avoid water keeps coming out after power outage.

## Easy to install

High degree of integration, M22\*1.0 female connector & ORM24\*1.0 male connector, easy installation, can be wildly matched with conventional faucets on the market





# Product advantages

## Anti-electromagnetic Interference

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



## Life Span

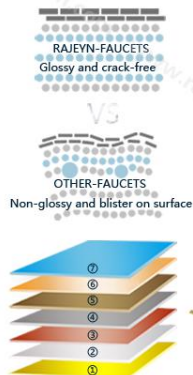
Infrared Sensor—500,000 Circles

Solenoid Valve—500,000 Circles

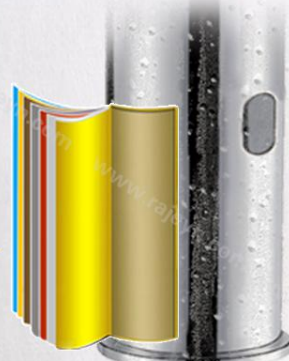


## Multi-layer Plating

Faucets pass 24 hours salt and spray test.



- ① Semi-product
- ② Rough polishing
- ③ Refined polishing
- ④ Hand-made polishing
- ⑤ Nickel plating
- ⑥ Glossy nickel plating
- ⑦ Chroming



## Low Power Consumption

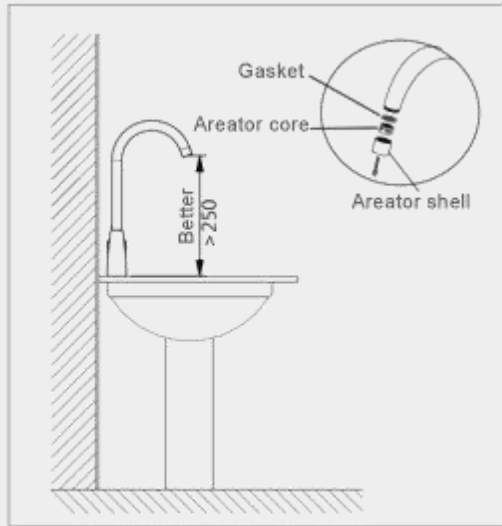
The lifespan is 10-12 months by usage frequency 100 times/day.

Last 10-12 months by usage 100times/day





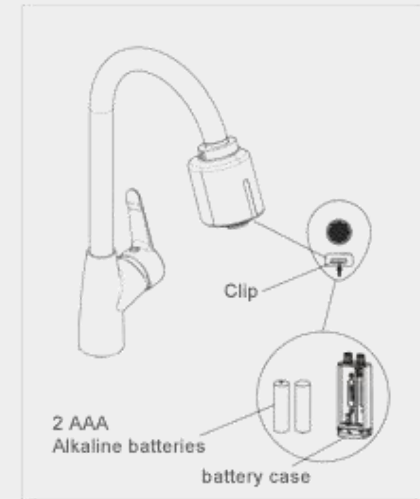
# Installation



A



B



C

1: Recommend to choose the matching faucet with the water outlet height of more than 250mm, and remove the aerator pad, aerator core and aerator shell of the faucet outlet. (see A)

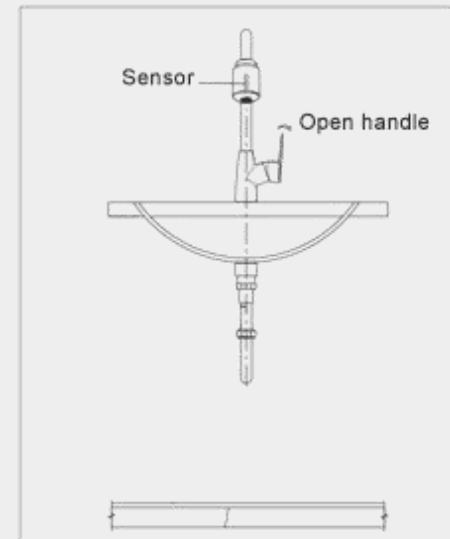
2: Take out the sensor adapter, and disassemble the lock nut, connector and gasket, and lock the gasket, lock nut and connector to the outlet of the faucet in turn (use the matching connector), and then fix the sensor adapter to the faucet. See B)

3: Pull out the buckle at the bottom by hand, take out the battery box assembly, and then put the prepared 2AAA batteries into the battery box, and install the battery box back. (see C)

4: Open the faucet handle to test whether it can work normally! (see D)

Note:

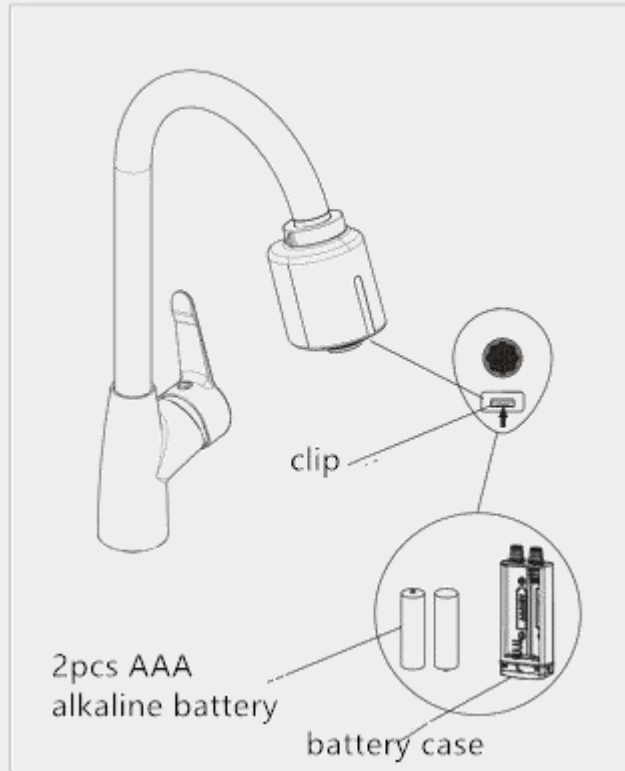
Check whether the sensor window has a flashing light when it is sensing after installation. If it is flashing, indicating that the circuit is working normally, if it is not flashing, it means the battery positive and negative poles are installed incorrectly or not in place, please reinstall.



D



# Battery replace



## Replacement battery

Note: When the indicator light continuously and slowly double flashes alarm, please replace the battery

- 1) Open the battery box at the bottom by hand, and take out the battery box;
- 2) Take out the old batteries and replace with two new AAA alkaline batteries;
- 3) Check that it is correct, install the upper cover of the battery box, and return it to the original position, and fasten the battery box cover

**Note: The batteries polarity must be correct, and do not mix different new and old or different brands batteries.  
\*When the battery is exhausted, the indicator light flashes, indicate to replace the new battery.**



# Maintenance

| Abnormal Phenomena  | Possible Reason   | Suggested Solution   |
|---|---|--|
| No sensor light flash, no water flow                                    | The battery polarity is reversed or not installed properly    | Reinstall the batteries correctly                          |
|   | Mix new and old batteries                                     | Replace batteries  |
| Sensor work but no water flow   | Obstacles in the sensing range                                | Move away the obstacles                                    |
|   | Sensing distance is too long, self-induction with basin       | Shorten the sensing distance by the remote controller      |
|   | Dirt on sensor case   | Clean the sensor case                                      |
|   | Outside infrared rays exceed standard                         | Remove or avoid direct infrared rays from the outside      |
| The indicator light flashes continuously at a slow speed, no water flow | Batteries run out   | Replace same brand and new batteries                       |
| The indicator light flashes normally after sensing, but no water flow   | The water inlet valve or main water valve is not opened       | Open the water inlet valve or main water valve             |
| Water non-stop  | Solenoid valve blocked  | Clean the solenoid valve                                   |
|   | Water pressure is not applicable                              | Refer to technical parameters                              |
| Low water flow  | The water inlet valve or main water valve is not fully opened | Open the water inlet valve or main water valve to the max. |
|   | Dirt on water filter net                                      | Clean the water filter net                                 |
|   | Water pressure is too low or water is cut off                 | Adjust the water pressure or turn on the water source      |

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



**Thank you**

**THANKS**