



# **Sensor Faucet Adapter Introduction**



# Application

**锐洁源智能**  
RAJEYN INTELLIGENT





# Appearance



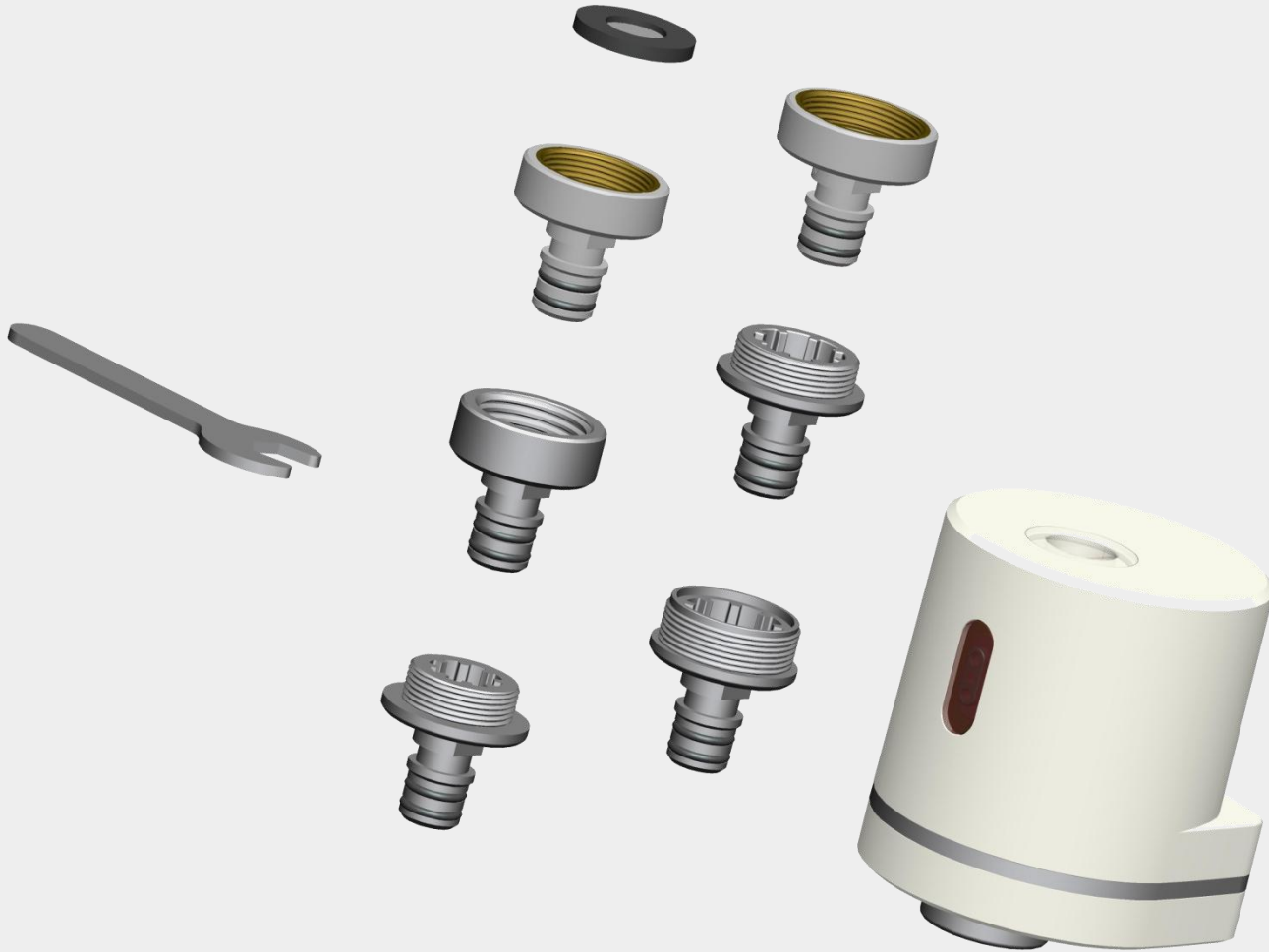
**RJY-10-P201.1D**  
**White**



**RJY-10-P201.2D**  
**Matt black**



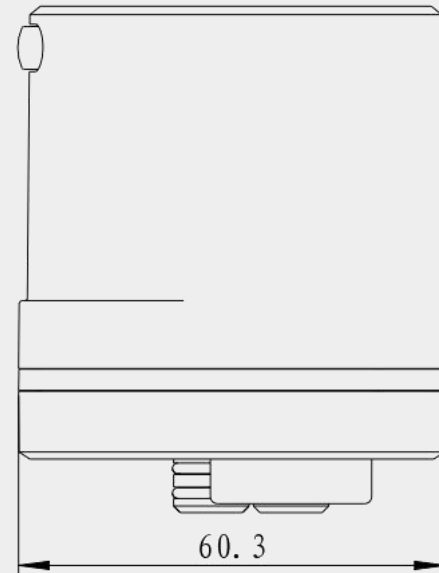
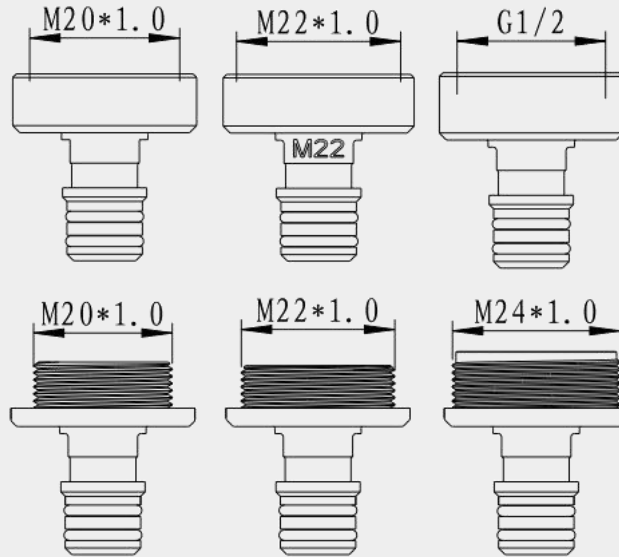
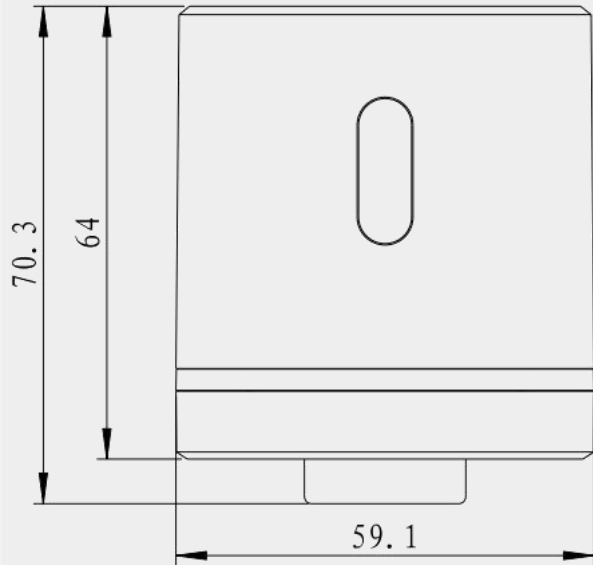
# Product



DIY Sensor faucet II



# Product Size





# Technical Data

NO	Item	Data
01	Power	Built-in 4000mA*H lithium battery, input DC 3.6V
02	Standby power consumption	$\leq 40 \mu\text{A}$
03	Sensing distance	1. Adjustable distance range: 5-15CM 2. Factory default sensing distance: 10CM (Reference whiteboard 29*29cm, to hand about 6CM)
04	Sensitivity	0.128s
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 2.4±0.1V the red light 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 3.2V Temperature drift stability: the temperature rises from 0°C to +70°C and the distance change does not exceed $\pm 10 \%$
13	Anti-interference	Install multiple units of the same model at a distance of 50cm, and when they are turned on and work (including standby), they should not interfere with each other and cause malfunction The AC power supply is connected to the same power outlet with 1kw hair dryer and 40w electronic ballast fluorescent lamp. The DC power supply is connected with a 1kw hair dryer and a 40w electronic ballast daylight at a distance of 2m, and the appliance is turned on and off 3 times without malfunction. Set the light source in the direction of 45° to make the illuminance reach 50lx, and the sensing distance change is not 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 $0.1\pm 0.01\text{Mpa}$ , $Q=4.0\text{L/Min}$ (Q is flow, water efficiency grade is 3)
17	Lifespan	Dynamic Pressure $0.4\pm 0.02\text{MPa}$ ; Control flow $\geq 0.1\text{L/s}$ ; life test > 500,000 circles
18	Anti-installation load	15N*M



# 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 product.

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



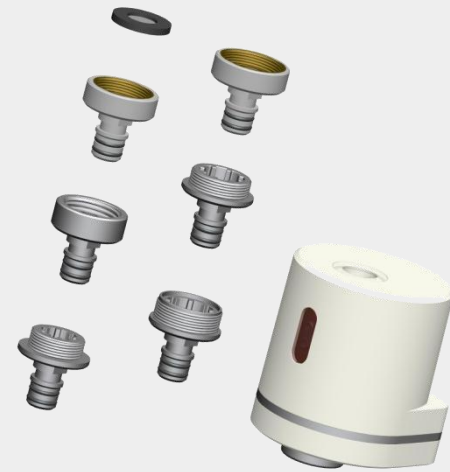


# Selling point



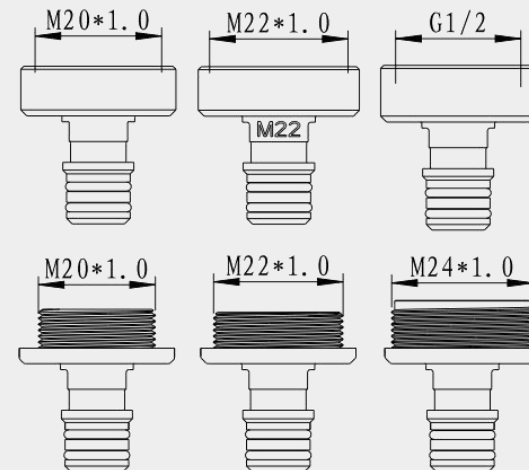
## Easy to install

High degree of integration, six connectors, easy installation, can be wildly matched with conventional faucets on the market



## Super power supply, no need to change the battery

1. Built-in 4000mA\*H lithium battery, used at a frequency of 100 times/day, can be used for about 5-8 years, eliminating the trouble of changing batteries
2. When the battery is exhausted, the valve will be automatically closed to avoid continuous water flows after the power failure.





# 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



## WATER SAVING

Effectively save  
65% of water



## Low Power Consumption

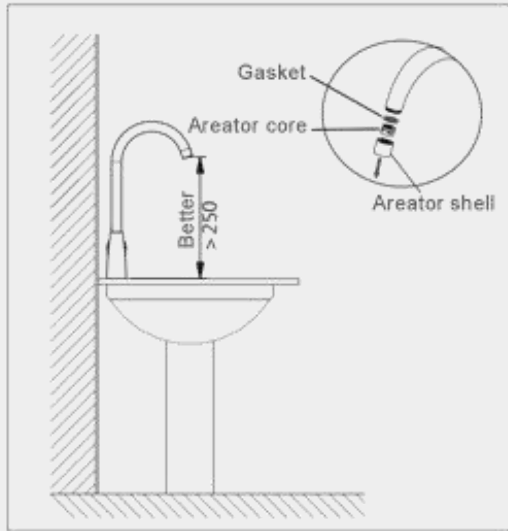
Used at a frequency of 100  
times/day

Last 60-100  
months





# Installation



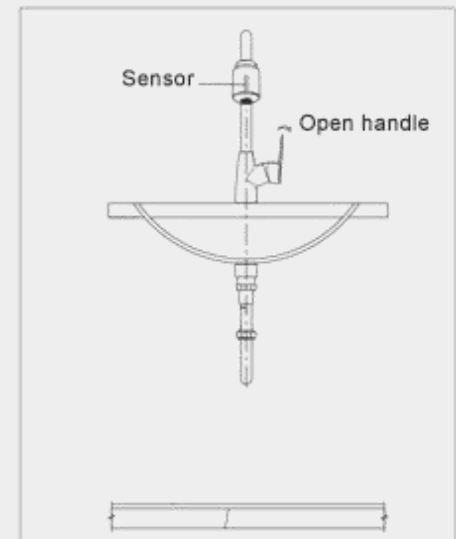
A



B



C



D

- 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, press the back button to take out the connector and gasket, and lock the gasket and connector to the outlet of the faucet in turn (Optional six connectors, use the matching one), and then fix the sensor adapter to the faucet. (See B)
- 3: Install the sensor adapter into the connector, press it up firmly and hear a “click”, indicating that it is installed in place. (see C)
- 4: Open the faucet handle to test whether it can work normally! (see D)

**Note:**  
After the installation, a clean water pressure test of 0.9MPa/60S should be carried out, and the pipeline can be used after confirming that there is no dripping or leakage.



# Maintenance

Abnormal Phenomena	Possible Reason	Suggested Solution
No sensor light flash, no water flow	Batteries run out	Replace new sensor adapter
	Dirt on the sensor case	Clean the sensor case
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 new sensor adapter
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**