



# INSTALLATION INSTRUCTION

NSP01CCDD-WEE & NSP02CCDD-WEE

## Important Notice Of Routine Maintenance And Care

- There are precision electronic parts in the faucet and control box, please wipe them with cotton cloth dipped in neutral detergent, avoid using chemicals, solvents or stiff brushes, otherwise the surface of the faucet will be scratched.
- If the water quality is hard or contains relatively high mineral content, we strongly recommend clean and dry the faucet immediately after each use (CALCIUM OR OTHER MINERALS MAY CAN DAMAGE THE SURFACE OF THE FAUCET)
- The sensor window should be kept clean, away from any possibilities of damage such as cleaning by strong acid or alkali, or the sensing distance will be affected.
- Do not install this product exposed to direct sunlight, and avoid any obstacles or metal and other easily reflective objects within the sensing range. It may interfere the sensing result.
- When installing a water filtration system with an activated carbon filter or replacing an activated carbon filter, it is recommended to flush the filter line before connecting it to the faucet. This prevents carbon residue from blocking the faucet valve, which could lead to leaks.
- Please remove sediment and debris from the aerator at least once every 6 months to keep water flowing well but not block or reduce the water volume.

## Installation Steps

- Before installation, be sure to drain away sand and sewage from the water supply pipe to prevent potential product malfunctions caused by dirt or blockages.
- Lock the parts in order as shown on the right figure, fixing them firmly in the desired location.
- Lock the control box holder in a stable and safe place, then place the control box properly on the holder.
- Connect the USB power cord or the battery box (install 4 AA alkaline batteries). PLEASE CHOOSE ONE TO USE.
- Based on the position of the water inlet valve, select an appropriate pipe to connect to the control box's water inlet. Next, connect the outlet pipe to the water outlet of the control box and secure it tightly.
- Sensor signal coil for both ends of the faucet and the control box must be firmly plugged in.
- Sensor testing (on and off), and check whether there is any water leakage at each connection.

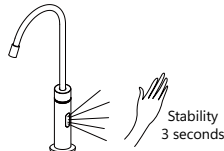
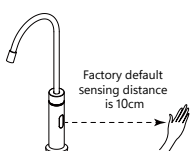
## Instructions For Use

- Water flows when your hand approaches the sensor area near the outlet.
- Water will automatically stop when hands away from the sensing area about after 1 second.
- Water will automatically stop after water discharge continuous for more than 30 seconds; if you still need to use it, just re-enter the sensing area.

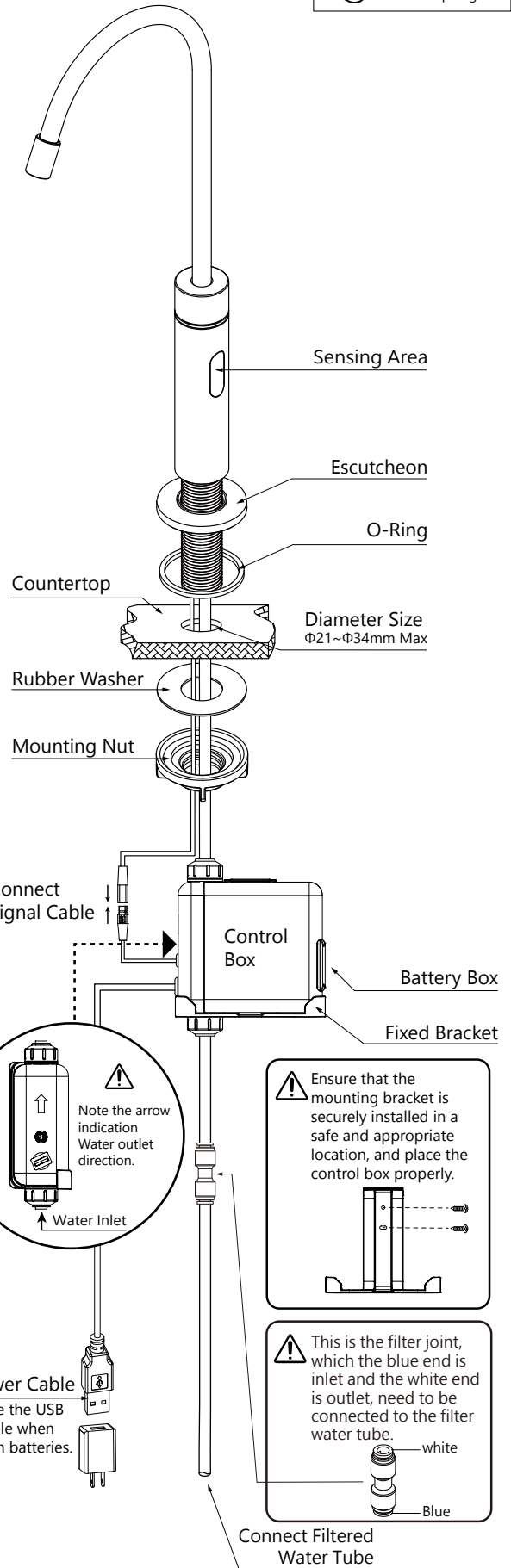
## Sense Distance

Setting distance: In distance reset mode, power off then on again, the red light will flash during setting. Within 20 seconds of powering on, block the sensor at the desired distance and hold it steady for 3 seconds.

The red and blue lights flash alternately while blue light stabilizes to indicate the setting is complete. If it is not set within 20 seconds, the last setting will be used. After the setting is completed, remove the obstruction, and the blue light will turn off.



- **Flashing red light** setting can be started.
- **Flashing red and blue** stable sensing distance.
- **Blue light stabilizes on** setting completed.



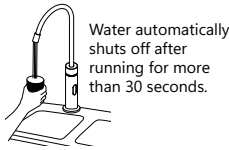
Product	Sensor Faucet
Model	NSP01 / NSP02
Use Power	DC type : AA batteries x 4pcs AC type : 100-240V, 50/60Hz (Please choose one to use)
Applicable Water Temperature	5°C~45°C
Sensing Distance	Factory default sensing distance 10±1.5 cm

# INSTALLATION INSTRUCTION

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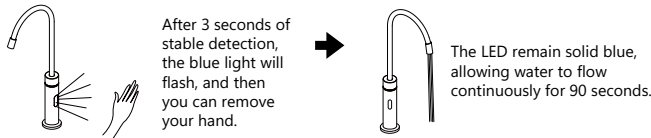
## Automatically Shuts Off The Water After Time Out

If the water runs continuously for more than 30 seconds, it will shut off automatically. To keep the water running for more than 30 seconds, maintain detection for 3 seconds. The indicator will flash, and then remove the object from the sensor.



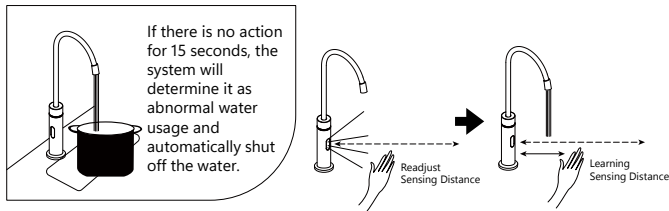
## Extended Water Use

Maintain detection for more than 3 seconds, and the LED will flash blue. After removing the object, the LED will remain solid blue, allowing water to flow continuously for 90 seconds. To stop the water, simply trigger the sensor again.



## Automatic Learning Distance

If the faucet detects no activity for more than 15 seconds, the blue light will flash and remain lit to indicate an abnormal activation. In this case, the water will automatically shut off. The sensing range will then be readjusted. After 60 seconds, if no obstacles are detected, the original sensing distance will be restored. The faucet will remain functional after the distance is automatically adjusted.



## Power Supply : USB Connector Or Battery Type (Choose one to use)

- During startup, if the voltage is too low, the solenoid valve will be automatically closed and the sensor will no longer operate. At this time, the red light will flash rapidly several times to remind the user to replace the battery. Each time the sensor will flash the red light until the power supply is insufficient.
  - The frequency is induction → red light flashes quickly → standby → induction → red light flashes quickly → standby. This cycle will continue until the power is exhausted. This protection mechanism is designed to prevent issues caused by battery leakage from prolonged storage, which can damage the circuit board. Take out the battery box and insert 4 new AA alkaline batteries.
- \*Using carbon-zinc batteries may result in shorter service life.  
\*Do not use the USB power cable when running on batteries.



## Liability Disclaimer

The warranty does not cover the following:

1. Any product with a damaged, altered, or removed manufacturing date.
2. Product damage caused by accidents, disasters, negligence, excessive voltage, misuse, improper maintenance, abuse, or services or modifications not performed by Likuan Hardware Industrial Co. Ltd.
3. Damage occurring during transportation while in your possession.
4. Consumable parts, such as ceramic cartridge, O-ring, washer, aerator...etc., unless the damage is due to material or workmanship defects.
5. Damage caused by accident, abuse, misuse, fire, liquid contact, earthquake or other external cause.
6. Defects resulting from normal wear and tear or the natural aging of the product.
7. Battery leakage causes damage to the circuit board.
8. Replacing the batteries by wetted hands caused moisture damage to the circuit board.

## Troubleshooting

Phenomenon	Failure cause	Troubleshooting
The faucet does not dispense water	Battery discharged.	Replace with new battery.
	The power is cut off.	Make sure the power supply is plugged in properly. Wait until power is restored or remove USB to use batteries.
	Power detection failed.	Make sure the power supply is plugged in properly. Ensure the battery is installed correctly with respect to the positive and negative terminals.
	Water outage.	Check water supply system.
	The sensor window is stained.	Please wipe with dry cloth.
Sensor response is unstable	The signal cable is not properly connected.	Please ensure the signal cable is properly connected.
	Sunlight or metal reflectors interfere with the sensor window.	Block the light source or change the location.
	Sensing distance is too short.	Reset the sensing distance after power outage.
	Obstacle occlusion.	Remove obstacles.
	The sensor window is stained.	Please wipe with dry cloth.
	The sensor window is damaged.	Please contact our company's service personnel for assistance.
The water doesn't stop flowing	Solenoid valve failure.	Please contact our company's service personnel for assistance.
	The sensor window is stained.	Please wipe with dry cloth.
	Keep the faucet running for 90 seconds.	Sensing it again can turn off the water.
The water flow is too low	Solenoid valve failure.	Please contact our company's service personnel for assistance.
	Pipeline blockage / The tubing of filter system is blocked.	Replace the tubing or clean the mud in the tubing.
	The ball valve is not opened / The inlet water flow rate is too small.	Open the ball valve / increase the water flow rate from the water inlet end.
Battery life is too short	Water pressure is too low.	Please check the water supply system.
	Use non-alkaline batteries or battery is too low.	Use Alkaline batteries.
The red light keeps flashing	Use non-alkaline battery is too low.	Replace with new battery.
	Use USB cable and batteries at the same time.	Only use batteries or only use USB cable.