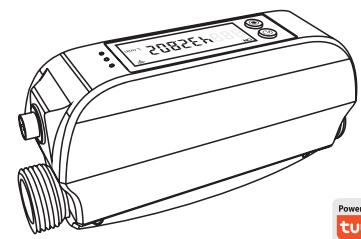


WiFi Smart Water Valve

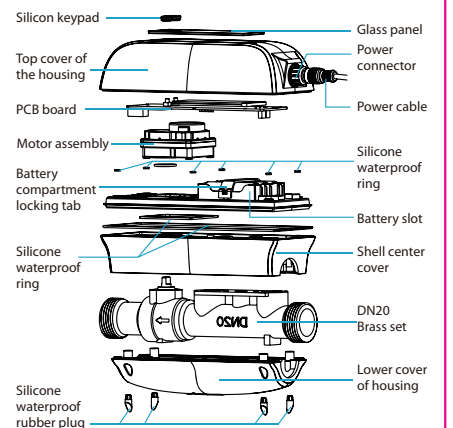
USER MANUAL



Thanks for
Choosing our WiFi Smart Home Sensors

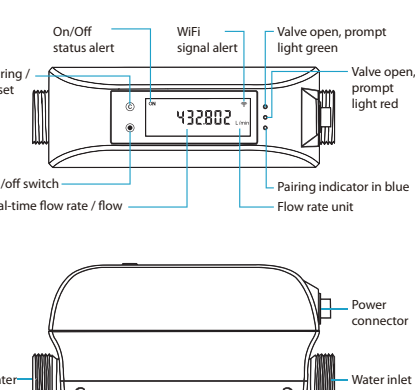
Product Configuration

1.Product structure



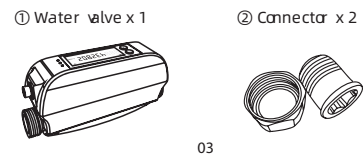
01

2.Appearance description



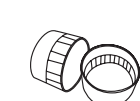
02

3.Packaging accessories

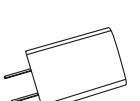


03

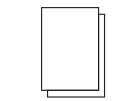
③ Threaded protection cover (pre-install) x 2



⑤ Power supply adapter (5V/2A) x 1



⑦ User manual x 1



④ Sealing tape (3M) x 1



⑥ Power cable (2.5m/5m optional) x 1



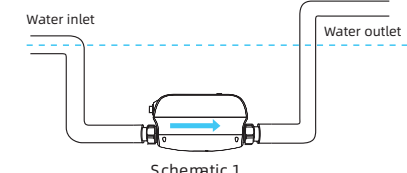
04

4. Installation position and direction

Needs attention:

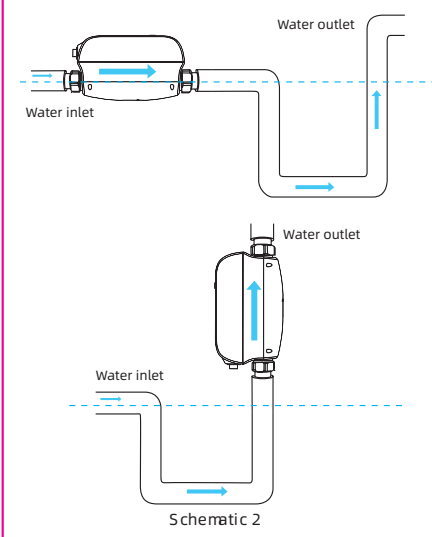
1. Do not reverse the inlet/drain ports of the water valve.
2. The position of the water outlet is higher than the position of the water inlet.
3. When the water temperature falls below 0°C and freezes, the water valve valves will not be able to open and shut-off. The sensor in the water valve can detect a minimum water temperature of -10°C.
4. When installing the water valve, be sure to wrap the waterproof tape to prevent water leakage.
5. Suggested installation location: indoor main water inlet.

(1) Correct installation location Diagram



Schematic 1

05

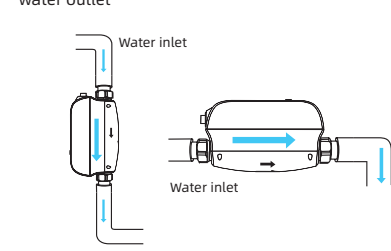


Schematic 2

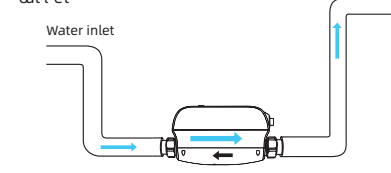
06

(2) Wrong installation position

Type 1: The water inlet is positioned higher than the water outlet



Type 2: Reverse connection between water inlet and outlet



07

Installation

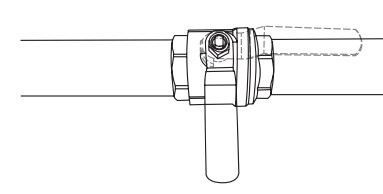
1.Water pipe installation

➤Preparation tools



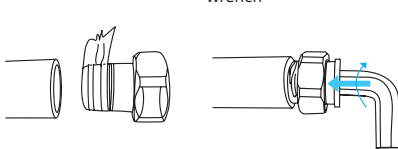
➤Installation steps

1. Turn off the main water valve.

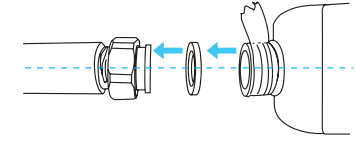


08

2. Wrap the waterproof tape around the adapter

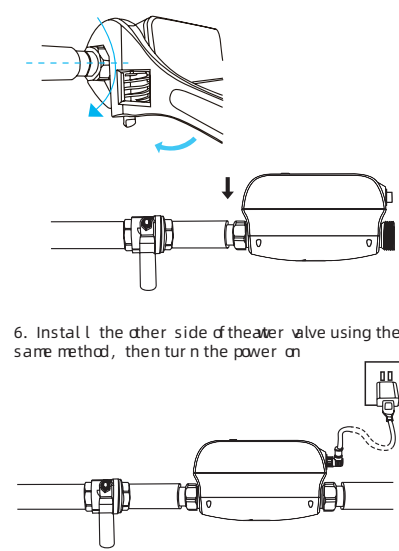


4. Wrap the waterproof tape around the copper pipe of the water valve and put the waterproof silicone gasket into the adapter.



5. Tighten the adapter nuts with the wrench

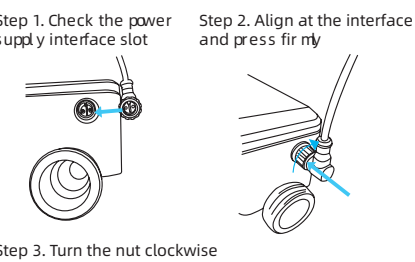
09



10

2.Power installation

- ① Pay attention to the power concave-convex groove during connecting to the power
- ② Align the interface, press the power supply firmly and rotate the nut clockwise
- ③ Turn on the power supply, installation finished.



11

Specifications

Power: DC 5V/2A
Backup battery: AA(1.2v) x 3pcs
Built-in Ni-MH battery with 2600mAh capacity, rechargeable battery.
Valve open/shut-off time: 12 seconds
Copper Tube Diameter: DN20
Screen: LCD
Water flow reporting accuracy: 0.1gal
Flow rate reporting accuracy: 0.1gal/min
Operating water pressure: 0 ~ 1.3 MPa
Working temperature: 1 ~ 60°C (34 ~ 140°F)
Working humidity: 1 ~ 95%RH
Wireless Frequency: 2.4GHz / 5GHz (optional)
Wireless Standard: IEEE 802.11b/g/n and IEEE 802.11a/11n/11ac (optional)
Bluetooth Version: Bluetooth 5.0
Wireless Distance: 45M
Waterproof level: IP66

12

LED State

Device state	Indicator status
Pairing mode	Blue light flashing
Valve open	Green light
Valve shut-off	Red light

Backup battery function

1. Battery backup, requires external power to activate internal power;
2. When disconnecting the external power, the WiFi will automatically turn off, can not be controlled remotely by APP, only through the local control of the valve open/shut-off;

13

LED State

3. Cannot locally control valve open/shut-off when battery voltage is below 3.5V, it will automatically shut-off the valve and shut down the machine;
4. In the mode with battery backup, the indicator light for opening/closing the valve will flash once after 10 seconds;
5. Wake up the MCU at one-minute intervals while the valve is open, and wake up the WiFi uplink if the DP point changes.

14

Get Started

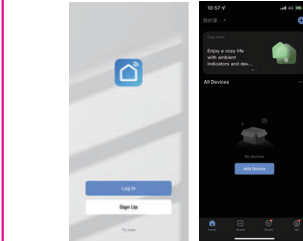
Download APP

Download the "Smart life" app from APP Store or Google Play to your mobile.



Register and Login

1. Run "Smart life" application from your smartphone.
2. Register and login

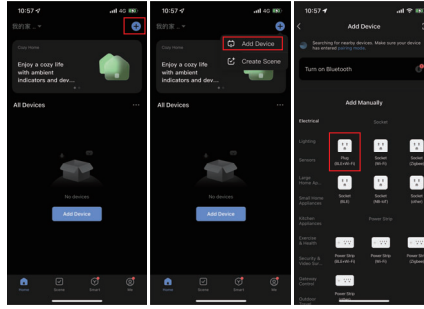


15

Add Device

The device is in pairing mode (blue light) by default; if the standby light is not on for a long time, please long press the reset button for 6 seconds to enter the standby mode, and then add the device

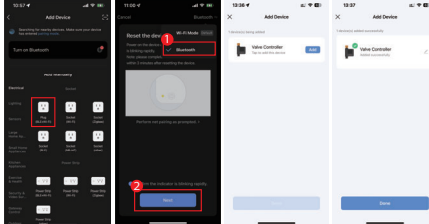
1.Select the right device type to configure



16

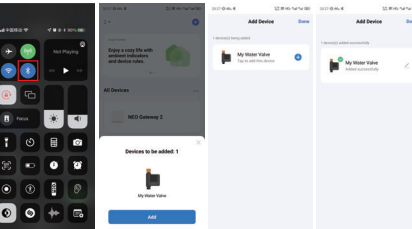
2. Bluetooth pairing(suggested)

Method 1: Active Bluetooth in Mobile phone to add the device through Bluetooth mode (the standby mode can be added with Bluetooth)



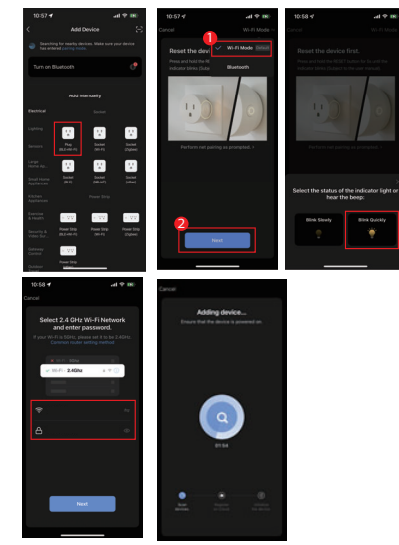
17

Method 2: After activating Bluetooth, enter the APP interface, the device will be automatically searched by Bluetooth, and then click "Add"



3. Smart Wi-Fi pairing
Press the reset button until the device flashes slowly (pairing mode) and add (follow the APP tips)

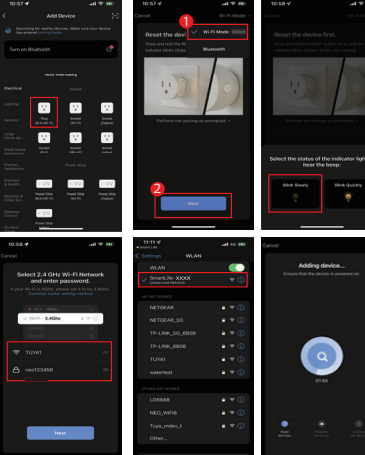
18



19

4. AP compatible mode pairing

Press the reset key until the device flashes slowly (pairing mode) and add (follow the APP tips)

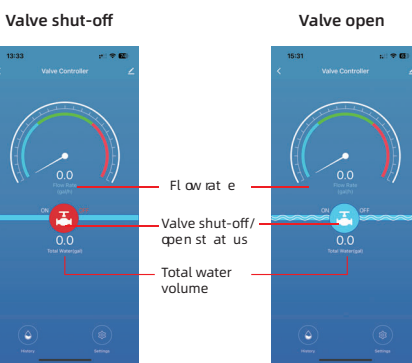


20

Functions and Settings

Main functions: working status and record settings

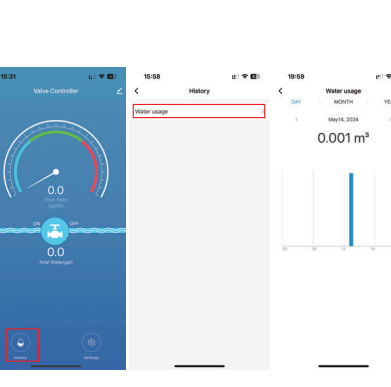
1. APP main interface



21

2. View History

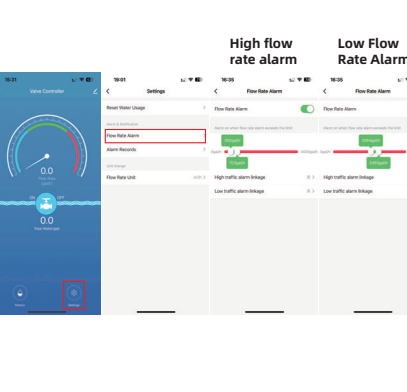
You can view the water consumption records by day, month, year.



22

3. High and low flow rate alarm/display settings

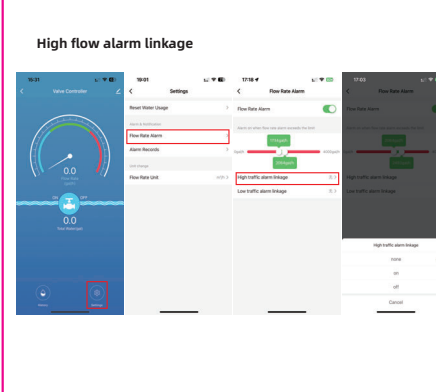
Alarms can be turned on or off. Default is "on".



23

(1) High/low flow alarm linkage setting

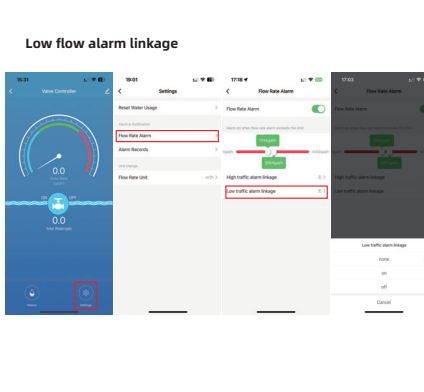
You can set the status of the valve after a flow alarm. The only two states that can be set are valve no state or shut-off state.



24

(2) High/low flow alarm linkage setting

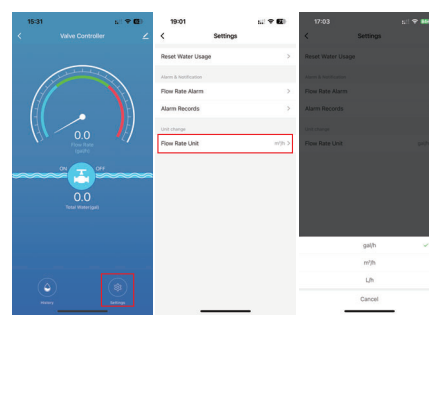
You can set the status of the valve after a flow alarm. The only two states that can be set are valve no state or shut-off state.



25

4. Flow rate unit setting

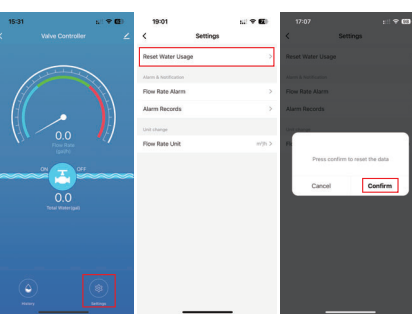
There are three types of unit: gal / h, m³/h, L/h.



26

5. Water consumption zero setting

Removal of total water consumption



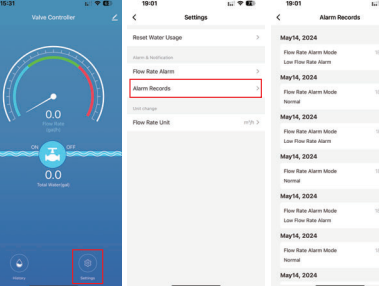
27

Other Function

1. Push notification management

(1) Device push message management

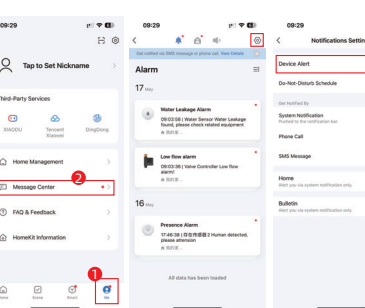
View individual device push messages



28

(2) All pushes of the APP

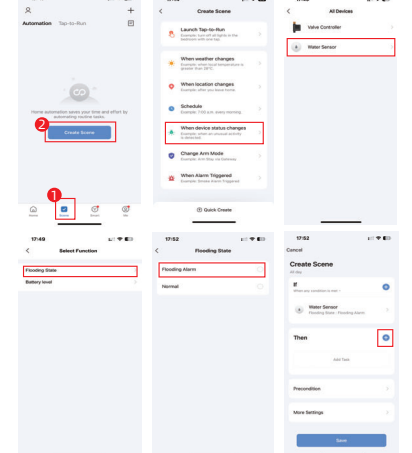
you can turn off the push here, none of the devices in the APP will push messages to the phone and it will not affect the records



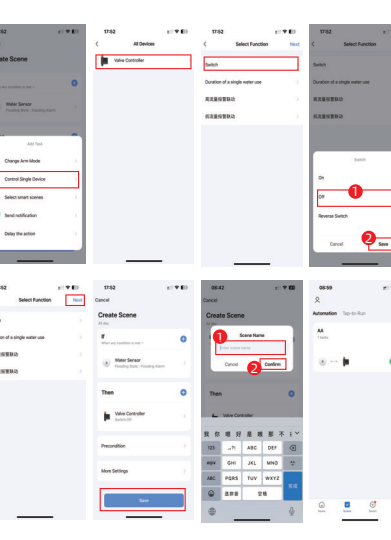
29

2. Product linkage

Take the water leak detector as an example: when the water leak detector detects a leak, it can link the water valve to shut-off.

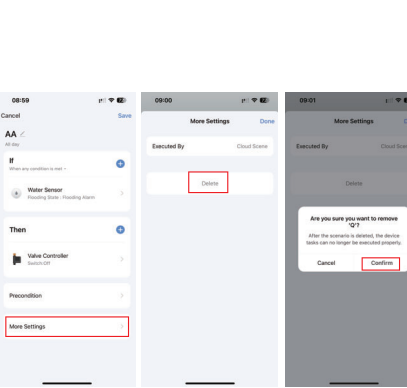


30



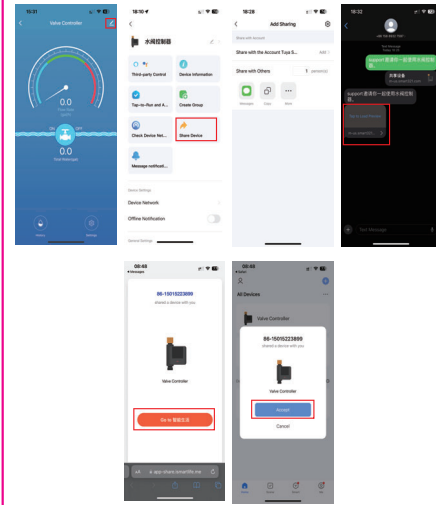
31

3. Unlinking devices setting



32

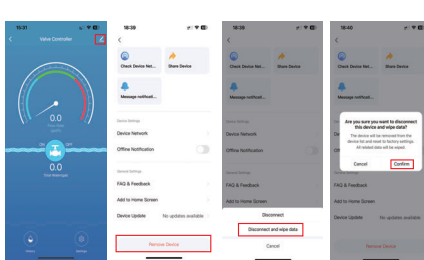
4. Sharing device



33

5. Clear record

By deleting devices through the app and adding them again, you can clear device records and restore default settings.



34

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body