

SMART  
**WATER VALVE**

**SWV-01**

**User Manual**

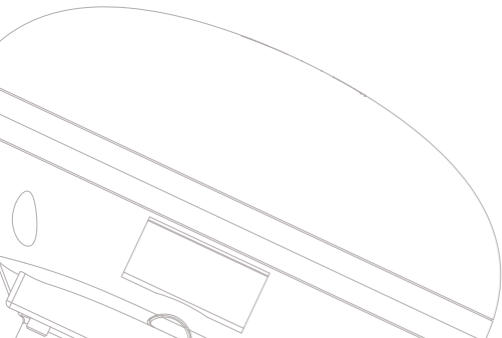




SWV-01

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- 1 Product Description
- 2 Product Specifications
- 3 Installation Tutorial



# Product Description



SWV-01

- Summary

## SMART WATER VALVE



- ① DC 5V/2A power supply by adaptor or solar power;
- ② Mobile APP, using MCU microcomputer control technology;
- ③ Timing regularly closing and opening function;
- ④ Waterproof : IP66.

# Product Specification



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INPUT: DC5V/2A

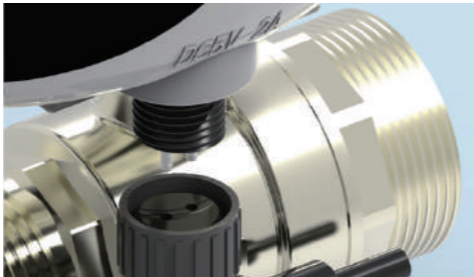


OUTPUT: APP Interface



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- Power Connection



- 1 Use Aviation socket, locked with a nut, safe and secure.



- 2 With USB interface, user need match a 5V2A adapter byself (the adapter of the phone also can use)



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- Key Function



**Link WIFI:**

Long press for 5 seconds: link WIFI and mobile phone to match network

**Local Operation Function:**

A: when the water valve is in the closed position, press the (setting button) water valve to open the position operation until the full open position. If the ball valve is still in the running position, touch the setting button, the device stays at the current position, and touch the setting button again. The device will shut down.

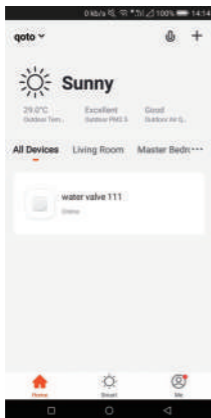
B: When the water valve is in the open position, press the (setting button) water valve to close the position operation until the fully closed position, if the ball valve is still in the running position, press the setting button, the device stays at the current position, and touches the setting button again, the device will shut down.

# Installation Tutorial



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- Download APP “Smart Life” and Register as Member



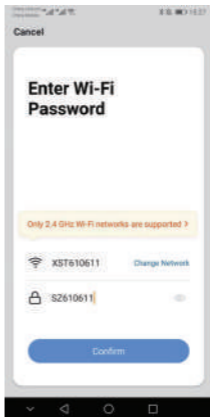
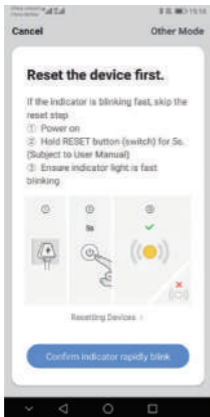
- 1 Enter to the APP and press “+” at the upper right to add new item.
- 2 Press random label to add a new item.

## Be careful:

Keep the device as close to the router as possible.



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- 3 Connect the item as picture shown.



- 4 Set to link WIFI  
Note: The name and password must be right for the WIFI

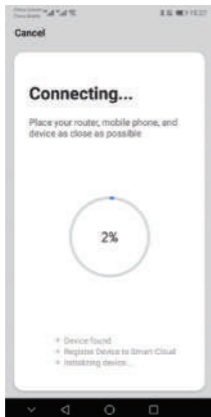
ON/OFF Button

Press the button for 5 seconds, move your finger and wait a few seconds till the LED light turn to green flicker like left picture shown. Then "CONFIRM" to next step





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5 Matching interface of device and APP



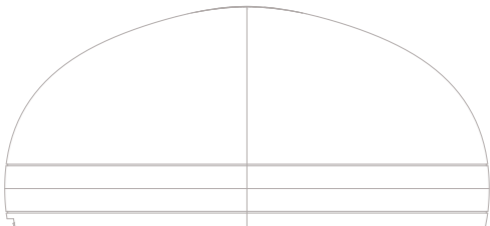
6 Connected successfully



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# Performance Specication

- ① Turn On and Off Function
- ② APP Control
- ③ APP Cloud Timing Function
- ④ Fault Protection Function

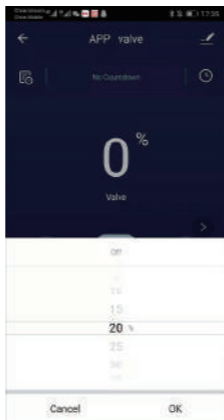


# Turn On and Off Function



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- 1 Water valve close:**  
From open to close (0%)  
accuracy is 5%
- 2 Water valve open:**  
From close to open fully (100%)  
accuracy is 5%
- 3 Controlled by button or mobile app**



# APP Control



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## Setting Icon:

From 0-100%, the flow rate can be set arbitrarily with 5% accuracy

## Current Water Value:

Indicates the current water valve opening status



## Off:

Close the water valve, the setting value is 0%

## Max:

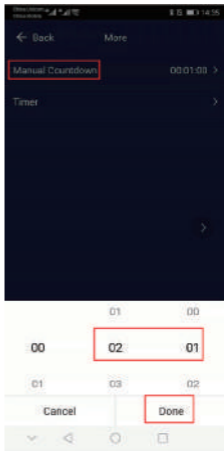
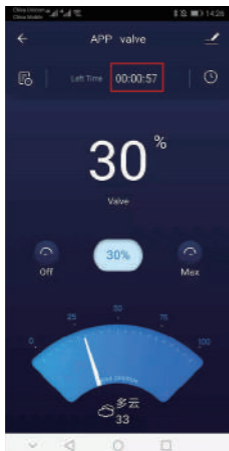
Open the water valve, the setting value is 100%



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- Open Function

When the APP shows that the valve is open, the countdown function will start and the water valve will be closed after 60 seconds. If need to turn on time adjustment, manually click the left picture ⌚, enter the right interface, set the watering time you need.



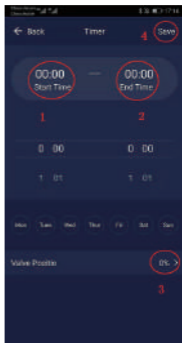
# APP Cloud Timing Function



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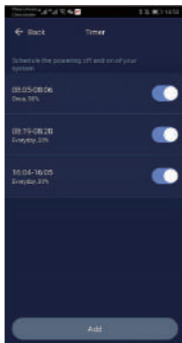
- Cloud Timing Opening

- 1 Set Start Time
- 2 Set End Time
- 3 Set Valve Position according to your needs
- 4 Set finished



## Cloud Timing Success Interface

(unlimited frequency)



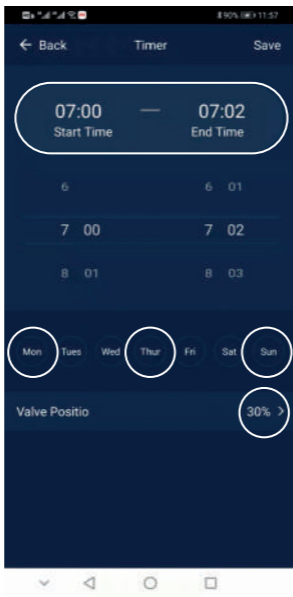
# Examples of Operation



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For example:

Set watering 2 minutes one time, with flow rate controlled at 30% position, water every two days.  
Schematic diagram as below:



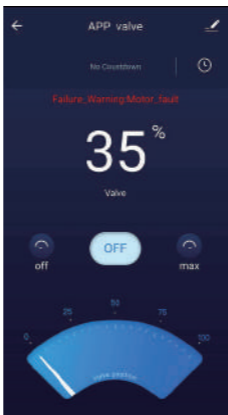
# Fault Alarm Function



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- Motor Fault Alarm:

When there is something wrong with valve ,it will stop working automatically.And you can see the tip of Failure warning on app interface.(see the picture)







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**Materials:** Brass & ABS Plastic

**Valve Size:** 1/2 , 3/4 , 1

**Frequency of Cloud Timing:**

Minimum once a day, maximum unlimited times per day, the interval between the maximum period is once a week

**Irrigation Timer:**

App controls can be accurate to second, with longest setting time 23:59:59

Cloud timing at least 1 minute, lasting longest 23:59

**Power:** DC5V/2A

**Max Pressure Rating:** 16 Bar

**Support Water Temperature:** 0-65°C

**Power Failure:** Automatic delay closing

**Support Environment Temperature:** -5-65°C

**Procedure:**

multi-program, single program, general, multi days, single day

**Controller Operation:**

App manual control, Field manual operation, App cloud timing

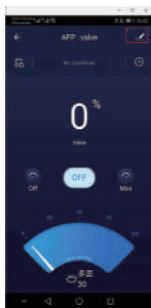
# Device Sharing



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## Steps For The Device To Be Shared With Other Members (who are already members):

After the steps are completed as shown in the following figure, will be sent a system message to the person who you are shared, then they just need to confirm join



1



2



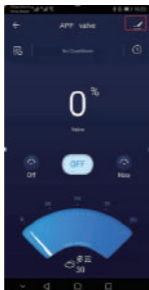
3



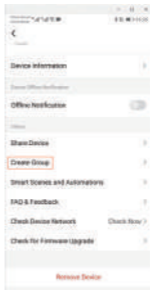
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## Group Function:

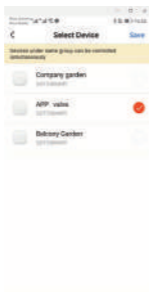
Follow the steps below to add any device to your app, you can also name it arbitrarily.



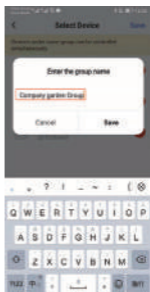
1



2



3



4



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