S1 Electricity measure Smart control

Programmable Temperature Controller Socket

==User Manual==

*This product can be divided into two types: <u>waterproof temperature probe</u> or <u>magnetic metal probe</u>
*This product has 6 specifications of CN plug/ EU plug/ UK plug/AU plug/ FR plug/ US plug.

(This product will be updated at any time, please pay attention to the web page description for detailed update details)

1. Product description:

A temperature control instrument that can be remotely controlled through a mobile phone
No matter where you are,You can control the instrument remotely through your mobile phone!
In order to welcome the Internet of Everything (IoT) era, Juwei technology engineers have worked hard for several days, after many hardware version experiments, code upgrades and interface optimization, to create an easy-to-use, easy-to-use and applicable ATorch Power Socket that meets the expectations of the majority of users. One project can be prepared at home. The equipment can realize remote measurement and control on the Internet, remote voltage and current electricity bill measurement on mobile phones, remote query of cloud electricity monthly report and annual report, intelligent AI voice control, multiple programming control, overvoltage and overcurrent Power automatic power-off safety control, and high-definition color screen display various contents, such as detection of current voltage, current, power, electricity, frequency, power factor measurement data, network display of air quality index, PM2.5 concentration, today's temperature today, humidity, and calendar time and week The data needed for life, combined with programs such as intelligent charging and power-off, can also realize safe charging and power saving, etc., plus the WiFi version of the power bank remote free firmware upgrade function, to achieve a lifetime free update service for one purchase.

2. Features of S1 WIFI:

1.Remote Control:Connect the S1 Wi-Fi Temperature controller to 2.4GHz Wi-Fi, then you can monitor or adjust the Temperature on your phone through the app at any time anywhere.
2.One Relay Same Output:Support one equipment.ON,OFF
Voltage: 85-265VAC 50/60Hz,
Current:10A. Maximum16A
Power: 1200W(120VAC), 2200W(220VAC). MAX Power:3680W(230VAC)
Humidity display range: 1 ~ 99% RH.
Temperature measurement range: -20 ~ 120°C
Plug-n-Play:No complicated installation required.
Display the set temperature value and the measured temperature value at the same time with 2.4" inch high screens.
Support Temperature calibration:
Support °C or °F temperature unit setting switch

3. Product application:

This product is widely used in aquaculture, transportation, geothermal heating, boiler equipment, hatching breeding, greenhouse breeding, etc.

4. Notes:

1.Metal magnetic probe and temperature Do not put probes or metal wire into fire.
2.Metal magnetic probe Do not put probes into water, it may lead to inaccurate measurements.
3.Only support2.4GHz Wi-Fi(Support IEEE 802.11b/g/n).
4.Wireless Connection: Wi-Fi Connection for iOS&Android【Tuya or Smart Life APP】

5. Four operating modes of intelligent temperature control measurement:

heating/cooling/normally open/normally closed（Function interface display）

2.4 inch LCD color screen digital display version intelligent temperature controller

Boot interface

WIF IoT waiting for network configuration interface

Boot software program interface

initial interface of WIF IoT startup
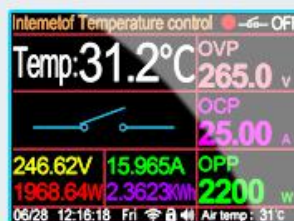
Various main functions English interface

Heating interface

Cooling interface

Always ON interface

Normally closed interface

WIFI IoT control interface

WIFI Internet of Things electricity bill interface

Security protection large-character interface
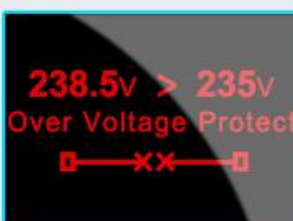
WIFI IoT temperature control warning interface

Background settings and alarm English interface

Background settings interface

Overcurrent automatic power off alarm interface

Overvoltage automatic power off alarm interface

Over-power automatic power-off alarm interface

Press and hold the M key for a long time to enter the background settings

6. Two temperature probes are available

Type	Waterproof temperature probe	Magnetic Metal Probe
Picture		

Note: We provide two kinds of temperature probes, please purchase according to your needs, replaceable temperature probes!

7. Socket specifications:　EU/US/UK/AU/FR Plug specifications optional

EU Plug	UK Plug	US Plug	AU Plug	FR Plug

8. key operation

1. Long press the + or - button to switch to the next function test interface

2. Click the M key to set the value, click + or - to subtract, switch the heating/cooling/normally on/normally off mode

3. Press and hold the M key to enter the background settings, and adjust by the + or - key

9. Protective function

Over-voltage automatic power-off protection,

Over-current automatic power-off protection,

Over-power automatic power-off protection,

Long press the "+" button to enter another function test interface

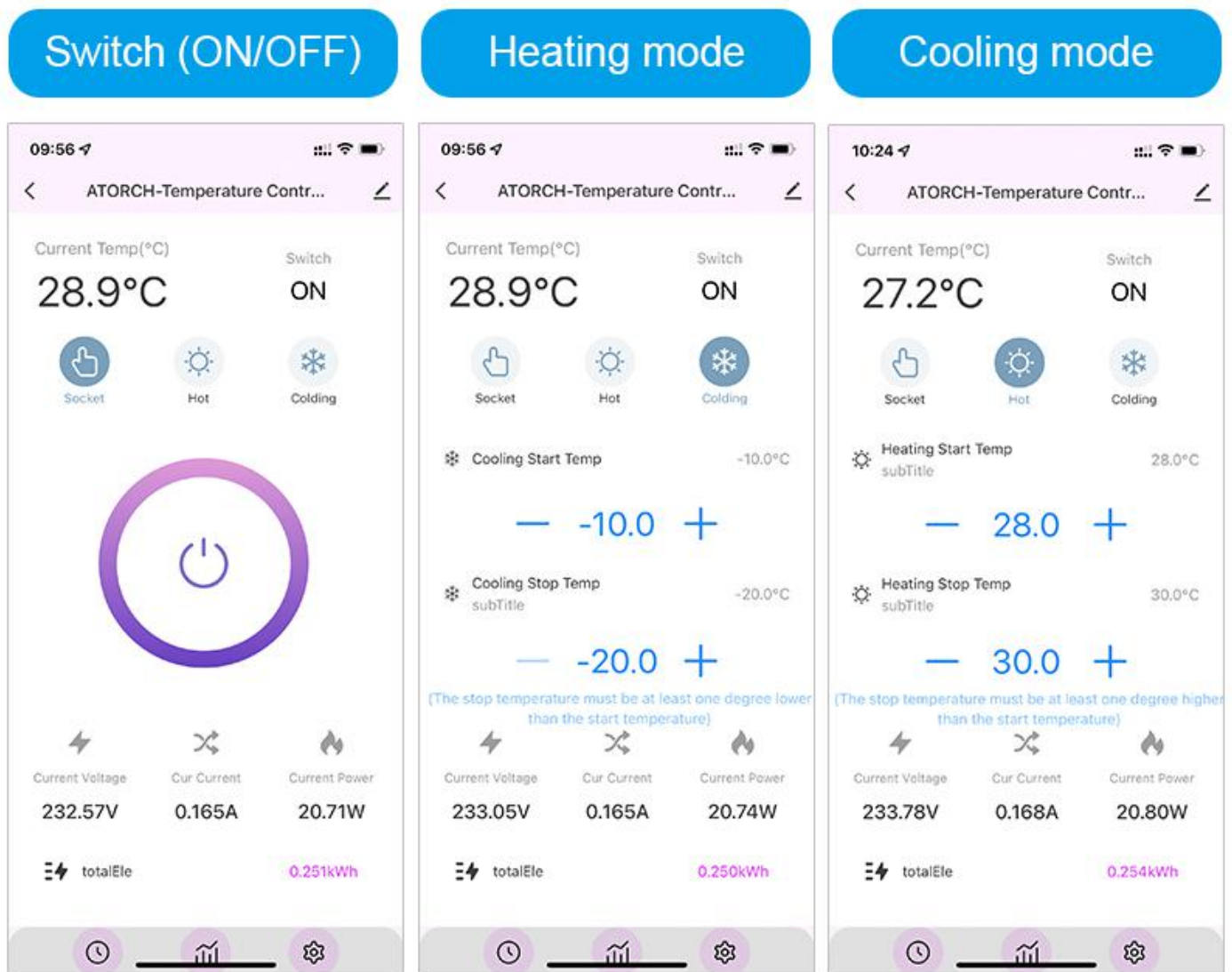For more gameplay, please see the specific introduction!

This part needs to be operated on the device. You can set three protection settings: over-power power-off, over-current power-off, and over-voltage power-off to protect your electrical equipment! Specific key operation: click the M key, the value flashes, adjust the value with the + or - key, and long press the M key to confirm!

10. Three operating modes

1.Switch interface (ON/OFF)

2. Heating mode control

3. Cooling mode control

Notes:This interface is in the mobile APP mode.

Switch (ON/OFF)	Heating mode	Cooling mode
09:56	09:56	10:24
ATORCH-Temperature Contr...	ATORCH-Temperature Contr...	ATORCH-Temperature Contr...
Current Temp(°C) 28.9°C	Current Temp(°C) 28.9°C	Current Temp(°C) 27.2°C
Switch ON	Switch ON	Switch ON
Socket Hot Colding	Socket Hot Colding	Socket Hot Colding
	※ Cooling Start Temp -10.0°C	☼ Heating Start Temp subTitle 28.0°C
	− -10.0 +	− 28.0 +
	※ Cooling Stop Temp subTitle -20.0°C	☼ Heating Stop Temp subTitle 30.0°C
	− -20.0 +	− 30.0 +
	(The stop temperature must be at least one degree lower than the start temperature)	(The stop temperature must be at least one degree higher than the start temperature)
Current Voltage 232.57V	Cur Current 0.165A	Current Power 20.71W
Current Voltage 233.05V	Cur Current 0.165A	Current Power 20.74W
Current Voltage 233.78V	Cur Current 0.168A	Current Power 20.80W
totalEle 0.251kWh	totalEle 0.250kWh	totalEle 0.254kWh

This part of the content is mobile phone operation, you can operate the above values through the mobile phone, and record parameters and curves such as current, voltage, power, temperature, etc.

11. Remote control APP pairing network operation method!

Please search for **"smart life"** or **"Tuya"** app in Google Play or Apple Store

(Note: Please turn on your mobile phone's bluetooth, turn on your GPS location information, and get the device's location information)

1. Please download the "smart life" software from google play or iphone APP store

2. Socket input power,When the socket power on,socket enter into the status of waiting for WIFI distribution network and the WIFI led will flash is interval . its means meter enter into the status ofwaiting for WIFI distribution network

3. Open the "smart life" app,Add device:Please check firstly that your telephone have connected the available WIFI network，then click "add device " button
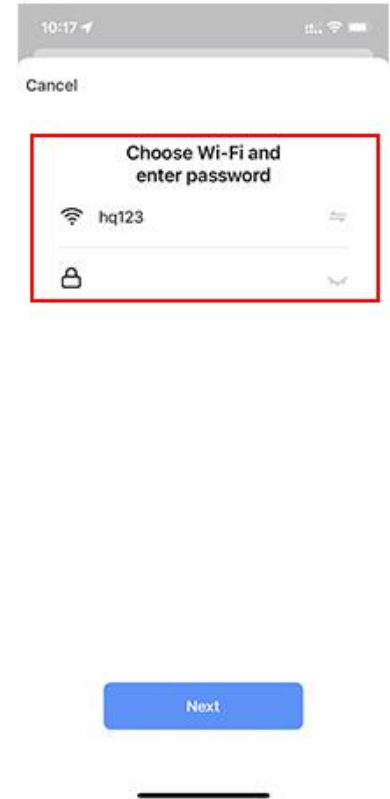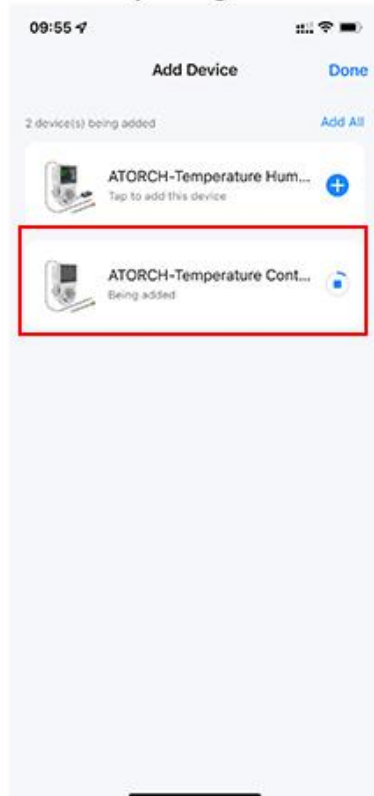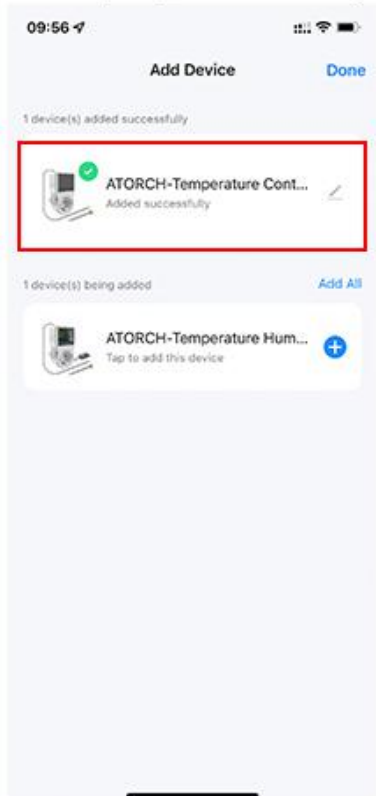
3.1 Add device
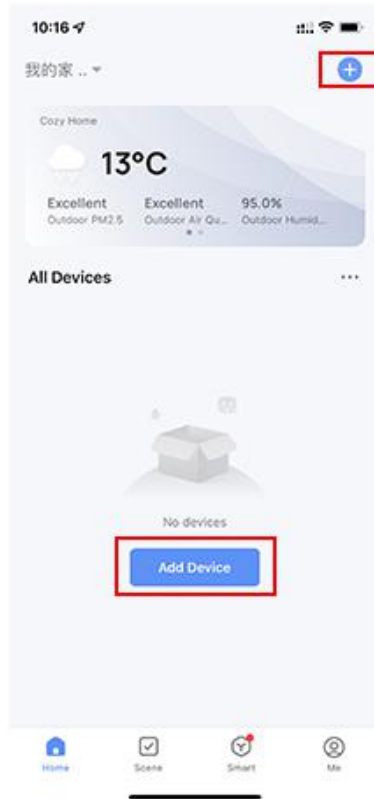
3.2 discover device
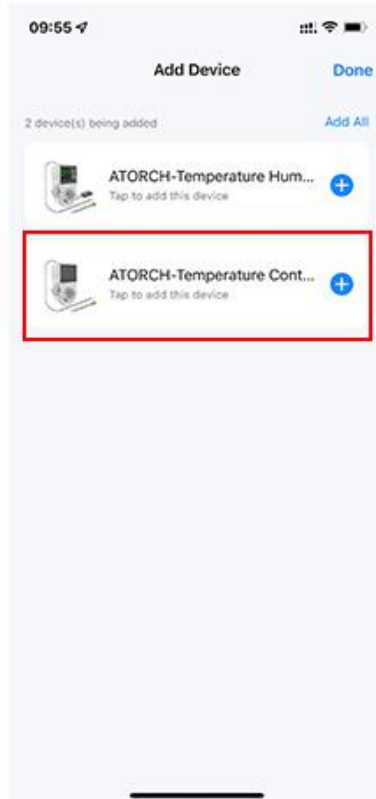
3.3 Enter WIFI account and password

3.4 WIFI pairing network

3.5 WIFI pairing network successfully

3.6 Enter the APP display interface
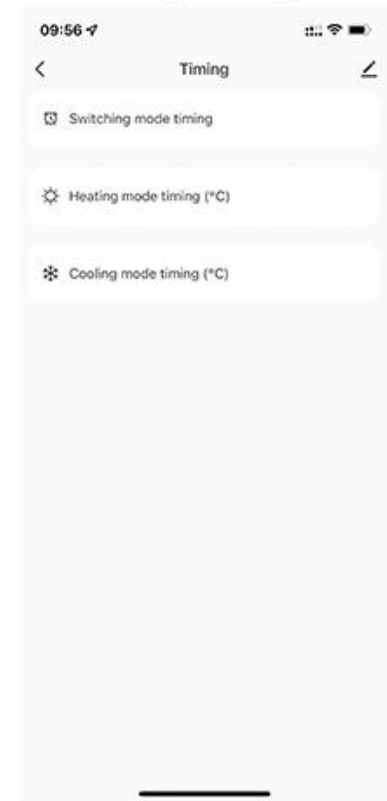
3.7 Remote control on and off via APP

09:56

ATORCH-Temperature Contr...

Current Temp(°C)
28.9°C

Switch
ON

Socket | Hot | Colding

Current Voltage
232.57V

Cur Current
0.165A

Current Power
20.71W

totalEle   0.251kWh

3.8 Shut down the device remotely via APP

09:56

ATORCH-Temperature Contr...

Current Temp(°C)
28.9°C

Switch
OFF

Socket | Hot | Colding

Current Voltage
232.57V

Cur Current
0.000A

Current Power
0.00W

totalEle   0.251kWh

3.9 Timing settings

09:56

Timing

Switching mode timing

☼ Heating mode timing (°C)

❄ Cooling mode timing (°C)

3.10 Parameter settings

09:57

Parameter Setting

⚙ Price	1.00 >
⚙ OVP	265.0V >
⚙ OCP	25.00A >
⚙ OPP	2200W >
🌡 Temp Calibration	0.0°C >
🌡 Temp Unit Convert	°C >

Switch Log

Temp Log

3.11 Temperature log

09:57

Temp Log

Today

- 09:57:14   Current Temp:83.8°F
- 09:56:59   Current Temp:83.9°F
- 09:56:59   Current Temp:28.8°C
- 09:56:45   Current Temp:84.0°F
- 09:56:45   Current Temp:28.9°C
- 09:56:30   Current Temp:84.0°F
- 09:56:30   Current Temp:28.9°C
- 09:56:15   Current Temp:84.1°F

3.12 Diagram curve

09:18

TopBar Title

Day   Month   **Year**

● Current Voltage   ● Cur Current   ● Current Power

300.000

200.000

100.000

0.000

-100.000

-01   02   03   04   05   06   07

◄   2022   ►

Day   **Month**   Year

● Current Temp(°C)   ● Current Temp(°F)

12. Product List

1.S1 EU Plug temperature control instrument x1pcs
2.Temperature probe   1pcs

EU Plug	UK Plug	US Plug	AU Plug	FR Plug
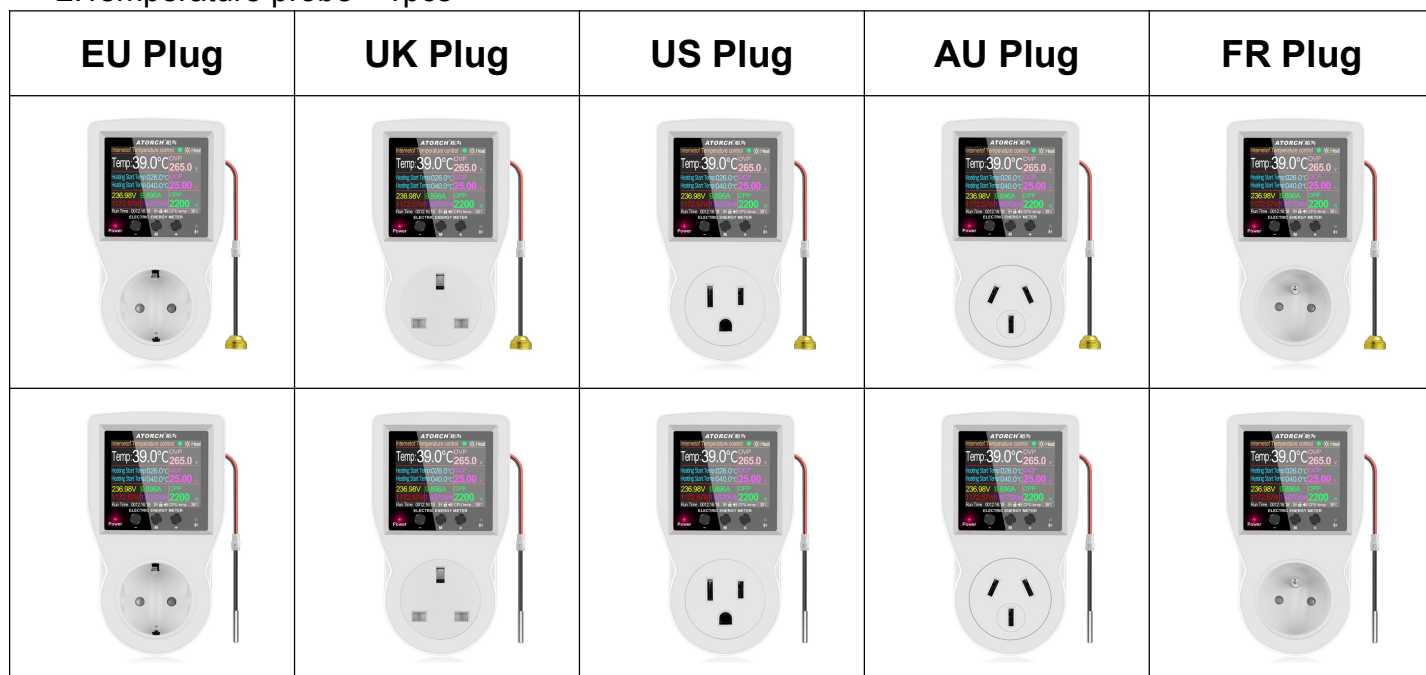
13. Product Size

PRODUCT SIZE

Length: 133mm width: 76mm height: 73mm

14. Applications

Fully automatic cooling mode

Fully automatic heating mode

ATORCH 炬为

Intemetof Temperature control 🟢 ☀Heat

Temp:39.0°C | OVP 265.0 V

Heating Start Temp:026.0°C | OCP
Heating Start Temp:040.0°C | 25.00 A

236.98V 9.896A | OPP
1172.57W 1.4070KWh | 2200 W

Run Time 0012:16:18 ⚹ 🔒 🔊 | CPU temp : 39°C

ELECTRIC ENERGY METER

Power — M + ⚹

Waterproof temperature probe

aquaculture

fish tank/aquarium

Tropical Fish

Metal Magnetic Probe

Radiator

heat pipe

thermal boiler