



YiERYi ECF-EOP20 Intelligent Digital Temperature Control Socket User Manual

[Home](#) » [YiERYi](#) » YiERYi ECF-EOP20 Intelligent Digital Temperature Control Socket User Manual 



Thank you for purchasing your smart home product.

Ready to get started?

Download the Smart Life app to manage your smart home products (and all other smart devices) straight from

your phone or tablet.

Easily connect to your home Wi-Fi and control multiple devices with the touch of your fingertips.

Contents

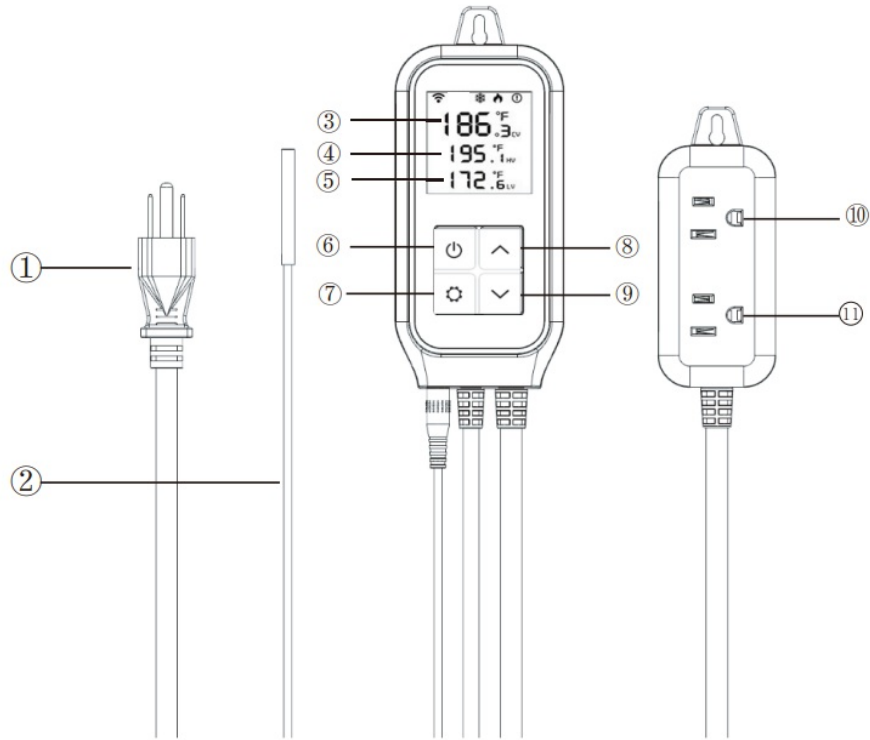
- [1 Introduction](#)
- [2 At a Glance](#)
- [3 Product Description](#)
- [4 Specifications](#)
- [5 Getting to know the “Smart Life” APP](#)
- [6 Button Operation Instructions](#)
- [7 Control Function Instructions](#)
- [8 Documents / Resources](#)
- [9 Related Posts](#)

Introduction

SOP20 is an easy-to-use, safe and reliable dual relay output temperature controller. It can be used as overtemperature protection and automatic temperature control system for various electric appliances such as equipment for home-brew, pet breeding, incubation, seedling heat mats, terrestrial heat control, constant temperature cycle of the heating pump, culture fermentation, accelerating germination, electric radiator, electric oven, etc.

- Plug and play design, easy to use – two steps to complete
- Control Your Device From Anywhere – Control your device from wherever you are with the free smart life app.
- Dual relay output – Be able to connect with refrigeration and heating equipment at the same time
- LED Display – Be able to show measured temperature and set the temperature at the same time
- Temperature Unit – Supports Centigrade or Fahrenheit
- High and low-temperature alarms are available
- Group Control -Create a group to control different home devices at the same time.
- Delay protection for cooling
- Share devices You can share the devices with your family, and then different people can control it without setting up again.

At a Glance



1. Power Plug
2. Temperature Sensor
3. Current temperature
4. High temperature
5. Low Temperature
6. Power Button
7. Setting Button
8. Increase Button
9. Decrease Button
10. Heating output Socket
11. Cooling Output Socket

Product Description

Power Plug US Standard

Socket Panel: AC Socket in accordance with US Standard

Power Button: can be used as a wifi pairing button

Decrease Button: Long press 3S to turn off the buzzer

Setting Button: can be switched to Centigrade or Fahrenheit unit

Specifications

Model: SOP20

Power Voltage: AC100-250V, 50/60Hz

Rated Current: 10A Max

Temperature measurement Range: -30~105 °C / -22~221 ° F

Wireless Frequency: 2.4GHz

APP Control: Smart Life APP (Android 4.4/IOS 8.0 or above)

Type of temperature probe: R25=10KΩ±1% B25/85=3435K±1%

Temperature Accuracy: 1%

NOTE:

Before installing Smart Lift App, please check your home network setting as following:

1. Check your home routers or related: please use a 2.4G Wi-Fi network. Recommend setting your 2.4G network and 5G network with different names.
2. Your phone is connected to your home's 2.4G Wi-Fi network.
3. To stay a strong Wi-Fi connection, please keep the smart device close to the router.
4. Whether connected devices have reached the maximum number of router connections, If so, remove the device from the filter list and make sure that the router is not prohibiting the device from the connection.
5. Please use English and numbers to name your Wi-Fi router. Otherwise, the Smart Device may not recognize it when you try to add it into Smart Life.

STEP 1

How to Download Smart Life App

1. Scan the QR code to download and install the Smart Life app for iOS or Android phones.
2. If you cannot download the Smart Life app, please search "Smart Life" on Google Play (for Android phones) or Apple Store (for iOS phones) to download.

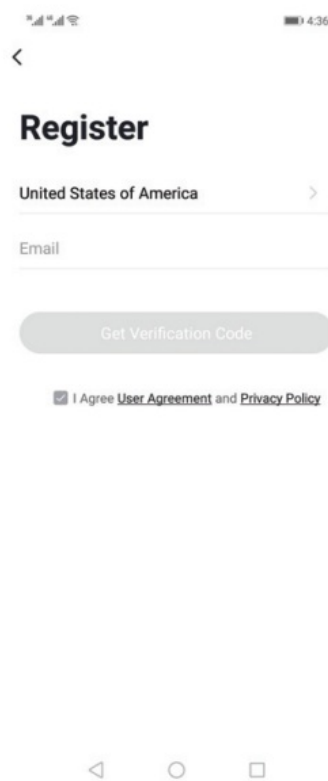
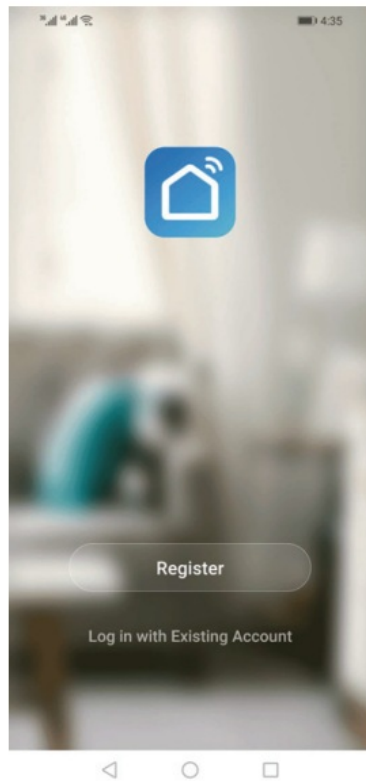
<p>Download Smart Life APP</p>  	 
<p>http://app.yimusmart.com/smartlife</p>	<p>http://app.yimusmart.com/smartlife</p>

STEP 2

How to Sign Up for an Account

You will need to sign up for an account after downloading the app. There are two ways to sign up for an account, using your cell phone number or your email address. Select the country you live in, and enter your cell phone number or email whichever makes you feel comfortable.

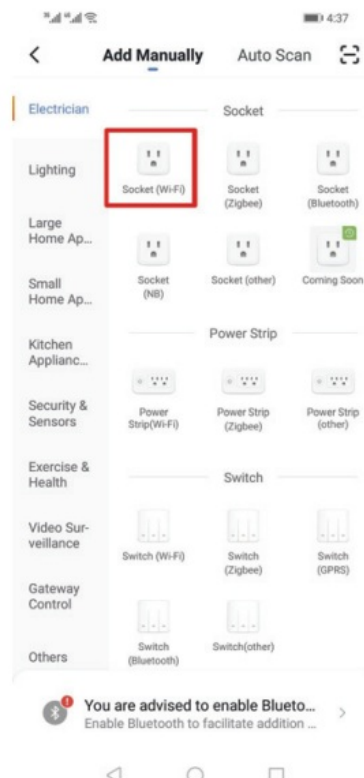
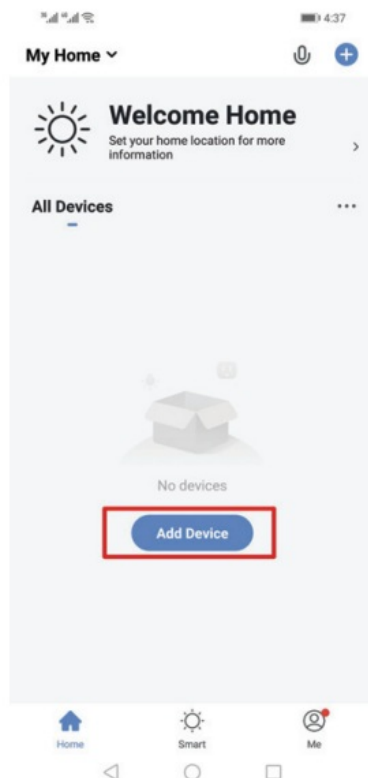
1. If the cell phone number is entered, you will receive a text message with the registration code. Type the code, and your password and confirm.
2. If you enter an email, you will be asked to create a password and then Confirm. Tap "Next" to continue.



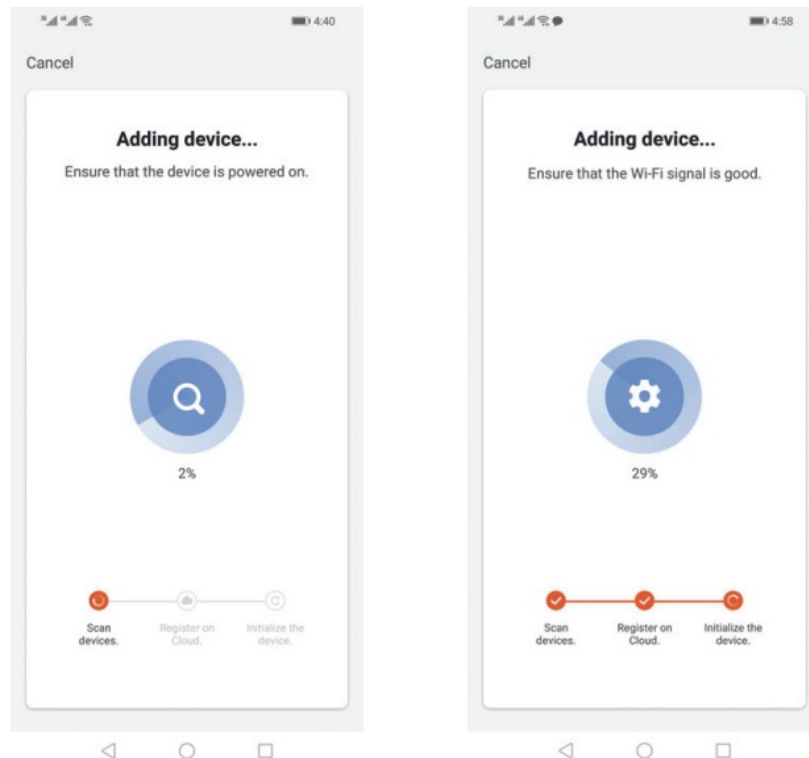
STEP 3

How to Add a Device via Quick Connection

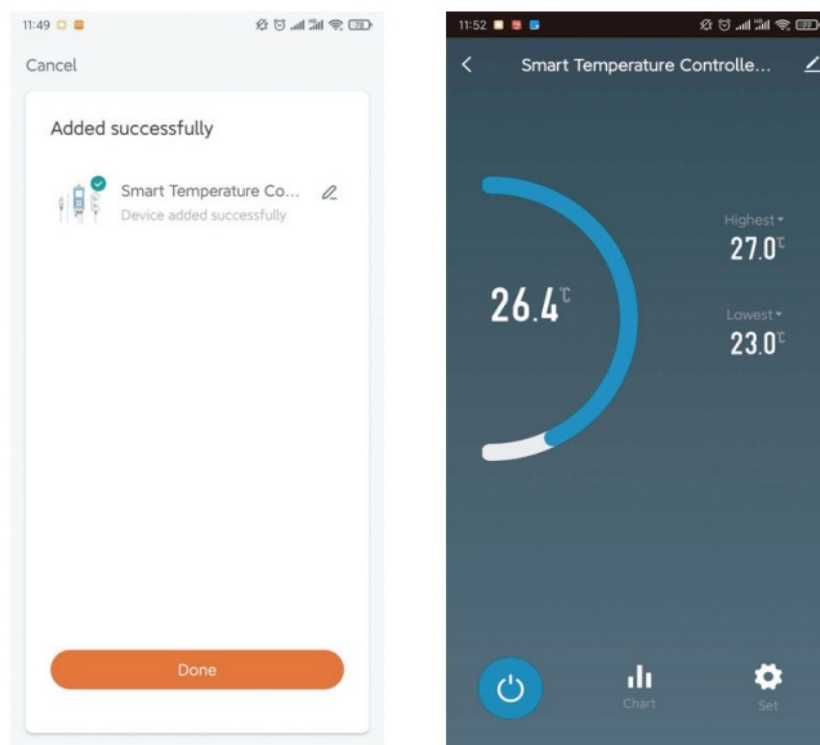
1. Open the Smart Life app and click the button “+” at the top right corner to add a device.
2. Plug your Smart Temperature Controller into an electrical outlet. Make sure your smartphone is connected to your home’s 2.4G Wi-Fi network. please press and hold the power button for 3-5 seconds to reset the device. Then, the WIFI icon on Screen will flash 3 times per second when it is ready to pair. select “Socket Wi-Fi ” and “Confirm indicator rapidly blink” to add your device



3. You will be asked to enter your Wi-Fi password after step 3. (Note: our Smart Device supports a 2.4GHz Wi-Fi network only. Please confirm your home network before connecting it), choose a 2.4GHz Wi-Fi network to connect your phone, and the Smart Device.



4. After successfully connecting, you can modify the Smart Device's name.



1. If you cannot add your Smart Device, please check:

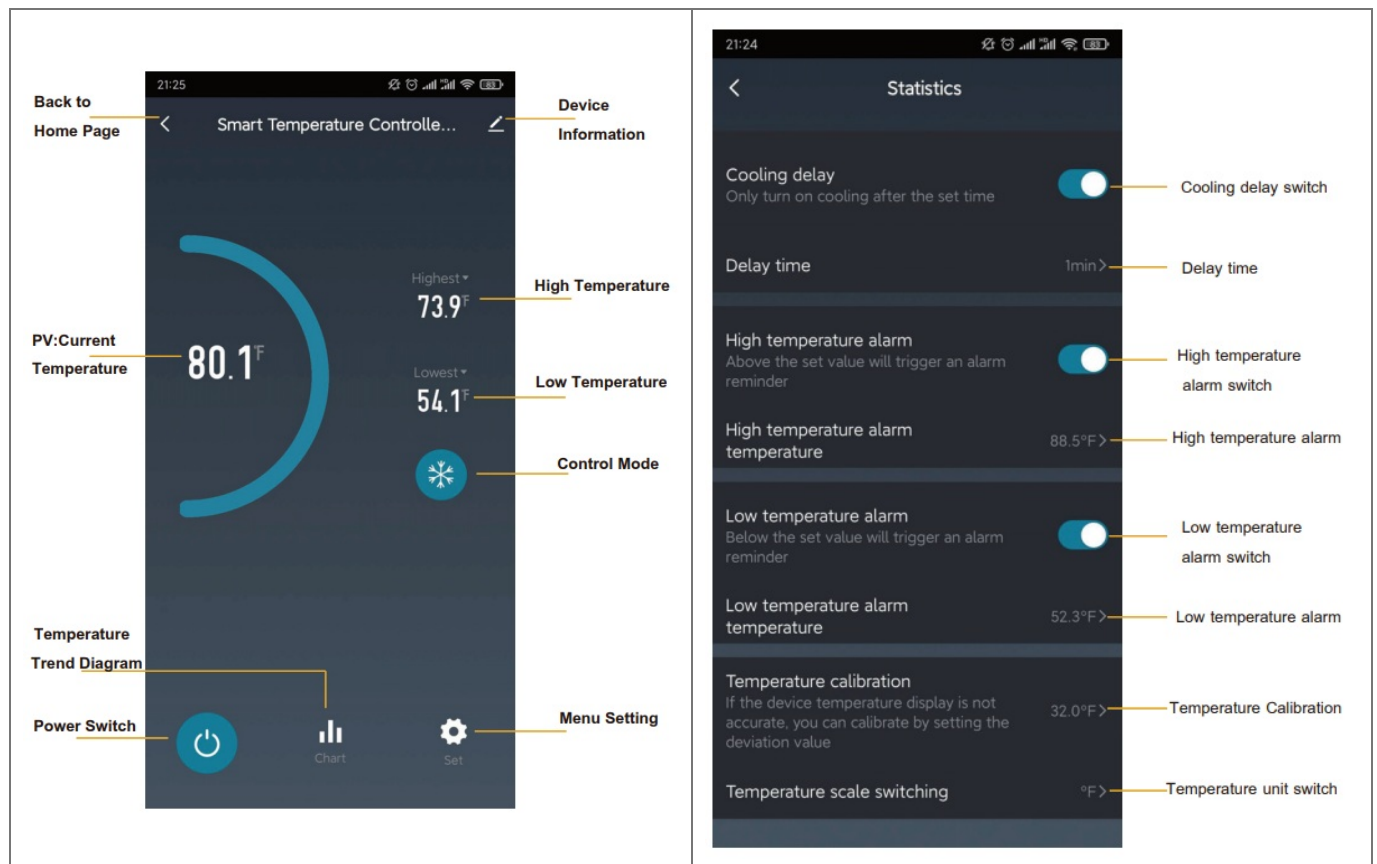
1. Whether the Smart Device is powered on.
2. Whether the phone is connected with a 2.4GHz Wi-Fi network.
3. Whether the Smart Device is ready for configuration. To get it ready before configuration, normally you can

manually press and hold the power button for 3-5 seconds. If the WIFI icon on the Screen flash 3 times per second, it means that it is ready for configuration.

4. Please check routers or related: if your router is dual-band, please select the 2.4GHz Wi-Fi network to connect your phone and Smart Plug.
5. Setting up Wi-Fi router: setting encryption method as WPA2-PSK and authorization type as AES, or set both as auto. The wireless mode cannot be 11n only.
6. Please use English and numbers to name your Wi-Fi router. Otherwise, our Smart Plug may not recognize it when you try to add it to Smart Life.
7. To stay strong Wi-Fi connection, please keep the smart device close to the router.
8. Whether connected devices have reached the maximum number of router connections. If so, please turn off some devices connected to the router and try again.

2. If you cannot add the device in Quick Connection, please choose "Adding device in AP Mode".
3. If you would like to reset the device, please press and hold the power button for 3-5 seconds. Once you have reset the smart device, you will find that the WIFI icon on Screen will flash 3 times per second.
4. If you cannot add the device after choosing the 2.4G Wi-Fi network, please make sure that your Wi-Fi password is correct.
5. Router's wireless MAC filtering function is enabled. Remove the device from the filter list and make sure that the router is not prohibiting the device from connection.
6. If you cannot log in to the app, please make sure that your password and ID are correct.

Getting to know the "Smart Life" APP



Button Operation Instructions

1. Turn-ON / Turn OFF
2. Maximum Temperature Setting

Press the screen will be displayed; press the screen & socket turn off

2.1 High-temperature setting

Long press the setting key 3s, the decimal place will be flash, click the setting key could choose the number of digits, the long press could be turn up or turn down. Press the setting key to confirm.

2.2 Minimum Temperature Setting

Long press the setting key 3s, the decimal place will be flash, click the setting key could choose the number of digits, the Long press could be turn up or turn down. long-press the setting key 3s to exit the setup

3. C/F Switch

Press the setting key, switching between C/F

4. Turn-ON/OFF the Buzzer

Can turn on/off the buzzer by long-press the down key. will be shown in the state.

5. Other Function

5.1 When the temperature sensor circuit is short-circuited or open-circuit fault, the controller starts the probe fault mode, it will close all execution states, the buzzer sounds, then press any button to eliminate the buzzer sound, after the fault is removed, it will return to the normal working mode.

5.2 When the controller is powered off or in the state of disconnected, the mobile APP will still show the online state, and the disconnected state will be shown after 1~3 minutes.

Control Function Instructions

1. Heating Mode

When the measured temperature $PV < LV$ (Low-Temperature Value) the controller will enter the heating state, the is on, HEATING output works. When the measured temperature $PV \geq HV - 2^{\circ}\text{C}$ (High-Temperature Value), the is off and the HEATING output turns off.

2. Cooling Mode

When the measured temperature $PV > HV$ (High-Temperature Value) , The controller will enter the cooling state, the is on, COOLING output works; When measured temperature $PV \leq LV + 2^{\circ}\text{C}$ (Low Temperature Setting Value), The is off and the COOLING output turns off

3. Normal Mode

The machine does not work while the measured temperature is between HV/LV, the icon is not display

Note: The next mode will be started in 15s For example, setting $HV = 26.0^{\circ}\text{C}$, $LV = 23.0^{\circ}\text{C}$, when the $PV > 26.0^{\circ}\text{C}$, the controller will enter the Cooling state; when the $PV \leq 25.0^{\circ}\text{C}$, the cooling will stop when the $PV < 23.0^{\circ}\text{C}$, the controller will enter the Heating state; when the $PV \geq 24^{\circ}\text{C}$, the Heating will stop

4. Alarm High /Low-Temperature Limit

When measured temperature AH (high-temperature limit alarm), the buzzer will "bi-bi-Bii"alarm, until the temperature $< AH$, buzzer off . Or press any button to turn the buzzer alarm off only . When measured temperatures $< AL$ (low-temperature limit alarm), The buzzer will "bi-bi Bii " alarm, until the temperature $> AL$, buzzer off

Or press any button to turn the buzzer alarm off only.

Quality Assurance

We committed to 90 days returns replacements and exchanges, and a 12-month quality warranty.

If you want to extend warranty to 2 years, please join our smart family by scanning the following QR code.




Quality Warranty

Contact us

For any inquiries and comments concerning our products, please do not hesitate to send us an email, and we will respond to you as soon as possible.

We appreciate your support!
WTESKE customer service email:
wteskeservice@outlook.com

Documents / Resources

	YiERYi ECF-EOP20 Intelligent Digital Temperature Control Socket [pdf] User Manual ECF-SOP20, ECFSOP20, 2AP9ZECF-SOP20, 2AP9ZECFSOP20, ECF-EOP20 Intelligent Digital Temperature Control Socket, ECF-EOP20, Intelligent Digital Temperature Control Socket
---	--