

SimPal-W230

WiFi Thermostat Socket

User Manual

Manual version 3.1



Free APP “SimPal WiFi”



Available on
Google Play

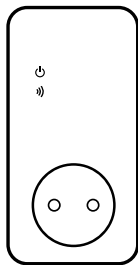


Available on
App Store

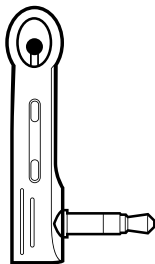
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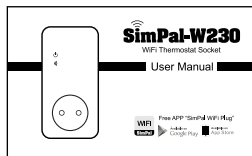
1.1 Package contents



WiFi Thermostat Socket
(1 unit)



Temperature sensor
(1 PC)



User manual
(1 PC)

1.2 Sockets instructions

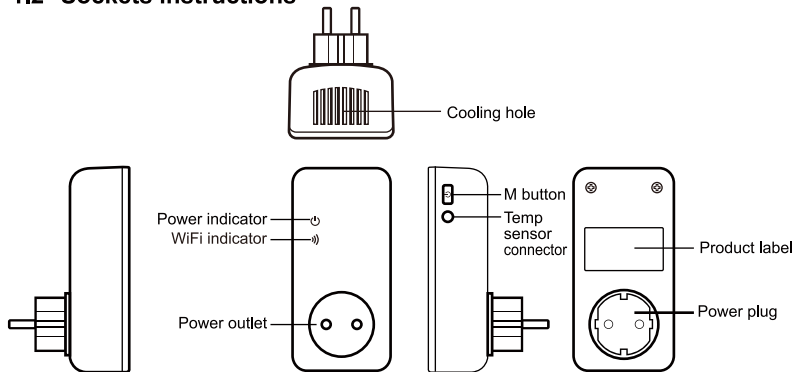


Figure 1: SimPal-W230 instructions

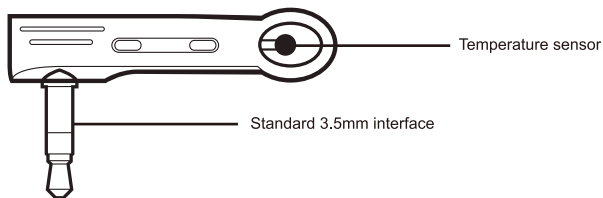


Figure 2: Temperature sensor Instruction

1.3 Light indicator

Model	Indicator	Action	Status
SimPal-W230	Power indicator	Turning off	Socket power output OFF
		Constant light	Socket power output ON
	Wireless indicator	Flash slowly	Connecting WiFi or register on server.
		Slowly breath	Working in standby mode.
		Constant light in 3 seconds	Rest to factory setting
		Flash fast	Process data

1.4 Beeper

One short beep	Press M button on/off
One long beep	Success to register the device on APP.
Two short beep	Request to register the device
Beep every 5 seconds	WiFi disconnect, Smart-link mode to set WiFi
Beep twice every 5 seconds	WiFi disconnect, AP mode to set WiFi
Five short beep	WiFi disconnect
Long time no beep	Already connected WiFi and device is online

2.1 Install APP and register e-mail account

Download “SimPal WiFi” APP and install on your Android or IOS smart phone. All operation and settings will be done on APP.

It needs to register e-mail account to manage device. Open the APP and click “Register”, It will request to input e-mail address, Verification Code and password. After input e-mail address, click

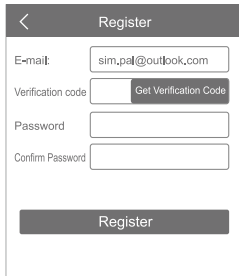
“Get Verification Code” button, it will display sending e-mail now. Need to wait few seconds during sending e-mail, when send e-mail success, it will display “Check your e-mail inbox to get the Verification code”. Check your e-mail inbox or spam box, e-mail may go to trash box. It can read the code from e-mail and fill on APP. After that, input the password and click “Register” to finish registration. If you can not finish register, send e-mail sales@simpal.cn for technical support.



E-mail:

Password:

[Forget password](#) [Register](#)



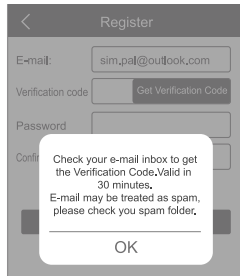
< Register

E-mail:

Verification code

Password

Confirm Password



< Register

E-mail:

Verification code

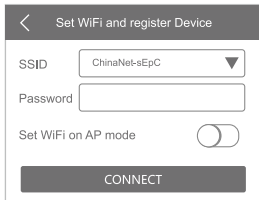
Password

Confirm Password

Check your e-mail inbox to get the Verification Code. Valid in 30 minutes.
E-mail may be treated as spam, please check you spam folder.

OK

2.2 Set WiFi and register device



- **Set WiFi in smart-link mode**

Make your smart phone connected with your own WiFi network, W230 will register same WiFi network which smart phone already connected.

1. Power on W230 device, it will beep five times and beep every 5 seconds, means failed to connect WiFi.
2. Open APP, click “+” icon at the right top place, and select “Set WiFi and register Device”. it will auto display the WiFi SSID, only need to input password, select model “W230”, and click “CONNECT”, it will auto set the WiFi SSID and password onto W230 device.
3. After it set success, W230 connecting cloud server and long beep when connected server success. It will display device Mac once WiFi set success, input the name, and tap “Add”, then it can register device success. Device will online after long beep.

Set WiFi and register Device

SSID TP-LINK_F09E ▼

Password

Set WiFi on AP mode ☐

After heard beep, press the button on device.

CONNECT

Set WiFi and register Device

Name

MAC ecfabc01b3cf

ADD CANCEL

• Set WiFi in AP mode

If your router work in dual 2.4G & 5G mode, then it needs to setup W230 WiFi in AP mode. The method as following:

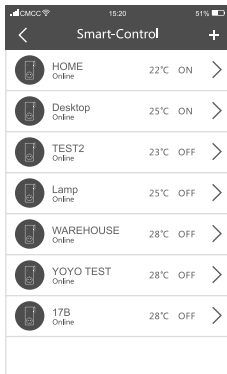
1. Power on W230, after hear 5 beeps means WiFi disconnect, press W230 M button for one second to switch socket power status, it will go to AP mode.
2. Open APP, click “+” icon at the right top place, and select “Set WiFi and register Device”. it will auto display the WiFi SSID, only need to input password, click “CONNECT”, it will auto set the WiFi SSID and password onto W230 device.
3. Open APP, click + to add new device, APP “Set WiFi on AP mode” option will auto turn on, select your own WiFi, input password, Tap “Connect”, It display device MAC when set WiFi success, input device name to finish register device. (If input wrong WiFi password, W230 will failed connect WiFi and five beeps, need to set WiFi again.)

2.3 Manual add device



1. When device already set WiFi, Click "+", and select "Add device", input the device Mac and select model "W230", click "Connect", it will send register request to device. (Mac number can be read from device label and packing box)
2. Device will beep twice once received register request. Press W230 device M button for 1 seconds, device will long beep, it means accept register. APP will show register device.

2.4 Device list



The screenshot shows a mobile app interface titled "Smart-Control". It features a list of seven devices, each with a thermostat icon, a name, a status (Online), a temperature reading, a power status (ON/OFF), and a right-pointing arrow. The status bar at the top shows "CMCC" network, 15:20 time, and 51% battery.

Device name	Status	Temperature	Power status
HOME	Online	22°C	ON
Desktop	Online	25°C	ON
TEST2	Online	23°C	OFF
Lamp	Online	25°C	OFF
WAREHOUSE	Online	28°C	OFF
YOYO TEST	Online	28°C	OFF
17B	Online	28°C	OFF

When open APP, it will auto display registered device, and update device status automatically.

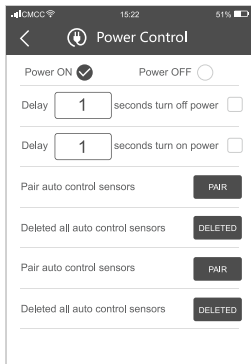
The format of device as following:

Device name	Status	Temperature	Power status
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- **Device name:** the name register when add the device. Use to separate different device.
- **Status:** “online”: means this device connected with server, can be control via APP. “offline”: means the device disconnect with server, can not be controlled via APP. Device will auto online again when it connected WiFi.
- **Temperature:** It will show latest environment temperature of this device, auto update every 60 seconds.
- **Power status:**
ON: means the socket power output is ON
OFF: means the socket power output is OFF.

2.5 Power control

On Power control page, it can remotely on/off power, delay turn on power, also can pairing remote controls and wireless sensors.



- Power ON: turn socket power output on.
- Power OFF: turn socket power output off.
- Delay 1-3600 seconds turn off power: input the time value and select this option, it will turn on power immediately and turn off after settings times.
- Delay 1-3600 seconds turn on power: input the time value and select this option, it will turn off power immediately and turn on after settings times.
- Pair auto control sensors: use to pair sensor working with power socket. When sensor trigger, it will trigger delay control function. The time value is same as last settings. Such as set delay 30 seconds turn off power, when sensor trigger, it will turn on power immediately, and auto turn off after 30 seconds.
- Pair remote control: use to pair remote control. User can use remote control to turn off power, turn on power and trigger delay control function. Delay control time is same as last settings.
(Noted: only W230-F model support sensor and remote control.)

2.6 Temperature settings

CMCC 15:27 50%

< Temperature Settings

Thermostat Control: ON ☒ OFF ☐

Warming mode ☒ Cooling mode ☐

Higher temp °C

Lower temp °C

Thermostat alarm: ON ☒ OFF ☐

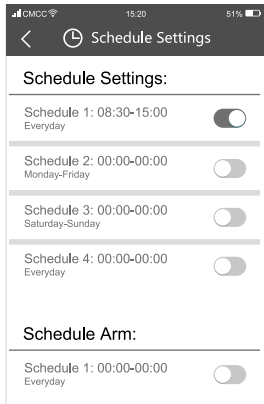
Higher temp °C

Lower temp °C

On Temperature settings page, it can set socket working as thermostat, set socket send message when temperature out of setting range.

- Thermostat Control: it can set socket working as thermostat, the function of two working mode as following:
 - A. Warming mode: when temperature higher than “Higher temp”, power will auto turn off. When temperature lower than “Lower temp”, power will auto turn on.
 - B. Cooling mode: when temperature higher than “Higher temp”, power will auto turn on. When temperature lower than “Lower temp”, power will auto turn off.
- Temperature alarm: set temperature range, when temperature out of range, it will auto send message.

2.7 Schedule settings



On Schedule settings page, it can set socket auto turn on/off according the schedule settings.

- Schedule Control: auto turn on/off power according the setting schedule.
- Schedule Alarm: socket will auto set in alarm mode according the setting schedule.

When schedule start time bigger than end time, it will process the end time next day, for example: set schedule control 18:00-08:00, then it will turn on power at 18:00, and turn off at 08:00 next day.

When schedule control turns on, it does not allow manual change power status. When schedule control and Thermostat control working same time, thermostat only working during schedule turn on power. Schedule set turn off power period, thermostat do not work.

2.8 Alarm settings

(Only W230-F model support remote control and sensor function)

The screenshot shows the 'Alarm Settings' interface. At the top, there's a status bar with 'CMCC' signal, time '15:20', and battery '51%'. Below is a header with a back arrow, an alarm icon, and the title 'Alarm Settings'. The settings include:

- Message notification by E-mail:** A toggle switch that is currently turned ON.
- Schedule control action notification:** A toggle switch that is currently turned OFF.
- Thermostat control action notification:** A toggle switch that is currently turned OFF.
- APP on/off power notification:** A toggle switch that is currently turned OFF.
- Email list:** A section with four email input fields, each with a plus icon to its right for adding more emails. The first three are labeled '1:', '2:', and '3:', and the fourth is labeled '3:'.
- Alarm:** A row with the label 'Alarm' and two radio buttons: 'ON' (unselected) and 'OFF' (selected with a checkmark).
- Beeper alarm:** A row with the label 'Beeper alarm' and two radio buttons: 'ON' (selected with a checkmark) and 'OFF' (unselected).

On Alarm settings page, it can set message send by email, pair alarm sensors and wireless siren. The wireless sensor and siren need to buy separately. Only sensor from SimPal company can working with the socket.

- **Email notification:** it will send email when power status change, temperature out of setting range.
- **Alarm:** when alarm set ON, it will push message and turn on wireless siren when sensor trigger. When alarm set OFF, it will ignore sensor signal.
- **Siren alarm:** when set ON, it will turn on siren, siren will loud sound immediately. Set OFF, it will turn off siren immediately.
- **Beeper alarm:** when set ON, socket built-in beeper will beep 10 seconds when sensor alarm. When set OFF, beeper will no beep even sensor alarm.
- **Alarm sensor:** max can pair 10pcs sensor, input the sensor name and click "Pair", after hear socket beep, trigger sensor to finish sensor pair.

- Accessories which can be working with W230:
 - WRC-047-F Remote Control
 - WSD-049-F Smoke Detector
 - WDS-051-F Door sensor
 - WIR-053-F PIR detector
 - WSI-055-F Strobe Siren
 - WLD-061-F Water detector
 - DTS-002 Digital Cable Temperature Sensor

2.9 Reset factory settings

Reset factory settings will make the device removed from all registered APP account, need to register the device again on APP after reset. Keep press the M button for 10 seconds, device will long beep and reset factory settings.

3.0 Technical Specification

Product size: 125*60*80 mm (EU plug)

WiFi protocol: 802.11 b/g/n

Power input: AC 110~230V

Temperature sensor range: -10℃~50℃

Indicator: Power output and wireless signal in Blue

Max power loading: 16A or 3600W

Standby power consumption: 30mA