

Wulian®

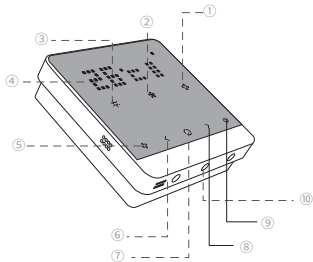


Smart Thermostat (USA Standard)

WL-ZTCWNPW-H2-01

Quick Installation Guide

Product Illustration

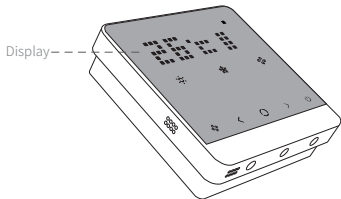


- ① Fan
- ② COOL/AUTO
- ③ HEAT/AUTO
- ④ Room Temperature. Press [$<$] & [$>$] to set temperature.
- ⑤ ON/OFF Switch for Fan
- ⑥ Turn down the Thermostat
- ⑦ Mode Key: Change Thermostat between HEAT/COOL/AUTO modes
- ⑧ Turn up the Thermostat
- ⑨ ON/OFF Switch
- ⑩ [Set Key]:
 - 1. For networking: press it once to join a network; press and hold it for 6s to exit from the network.
 - 2. Quickly press it 5 times to turn on/off the Emergency Heat.

Modes:

AUTO: HEAT icon and COOL icon will be illuminated at the same time. The Smart Thermostat will automatically select the appropriate mode.

OFF: No icons will be illuminated. The system is in neither heating nor cooling.



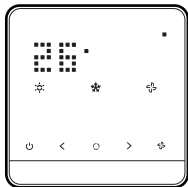
1. Press any key to wake up the device.
2. The device shows current mode and room temperature after waking up.
3. When you tap UP [>] /DOWN [<] Key for the first time, the device shows the preset temperature.
 - The HEAT or COOL icon will flash.
4. Tap the UP [>] /DOWN [<] Key again to adjust room temperature.

5. Tap the Mode Key to change the mode at any time.

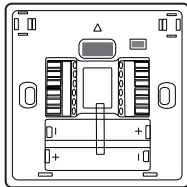
- There are 4 modes: HEAT, COOL, AUTO, and OFF.
- In AUTO mode, the brighter icon indicates which set point is currently displayed, HEAT or COOL.
- The display will show the current room temperature after 5 seconds. The mode icon will stay lit to indicate this. After that, the display will turn off to save energy. The Smart Thermostat will continue to work when the display is off.

6. Press [Set Key] once to join a network; press and hold it for 6s to restore the device to factory default settings; quickly press it 5 times to turn on/off the Emergency Heat.

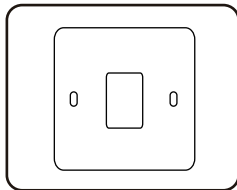
Packing List



Thermostat Display



Thermostat Base



Decorative Plate (Optional)



Drywall Screw (x2)



AAA Batteries



Wire Labels

Installation Guide

The Old Thermostat

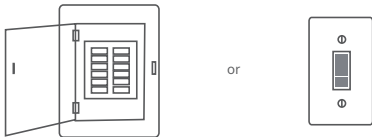
Step 1: Check system

Before getting started, make sure that your HVAC system works normally.

Do not short across electric terminals at the control on the furnace or air conditioner to test the system. This may damage the thermostat.

Step 2: Switch off power

Switch off the power to your heating and cooling systems at the breaker box or the system switch.

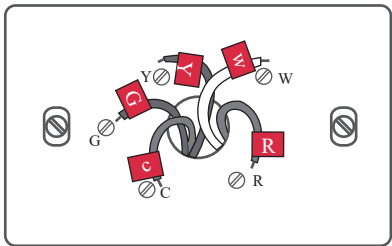


Do not remove the old thermostat with the power on.

When the power is off, take the Step 3.

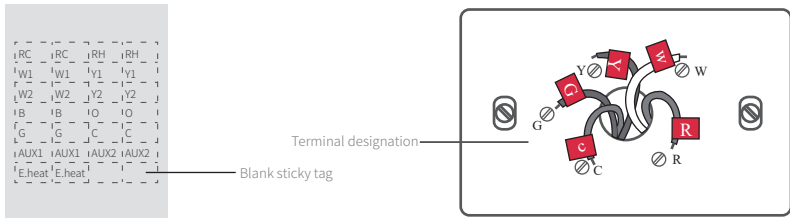
Step 3: Remove the cover and take a picture of the wire.

Before you take out any wires, take a picture of the wires on your old thermostat so you have an easy reference if you need it.



Step 4: Label all wires.

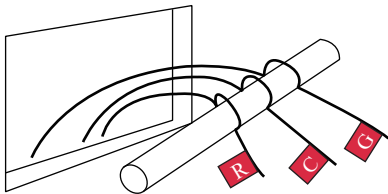
Use the supplied sticky tags to label each wire. Label wires according to old thermostat terminal designations and make sure that the wires are labeled correctly.



If no tag matches a terminal designation, write the appropriate letter on a blank sticky tag.

Step 5: Remove the wallplate.

Remove the old wallplate from the wall after all wires are labelled and disconnected.



Remember that do not let wires fall back into the hole in the wall.

Prepare Wires

Follow the tips for security:

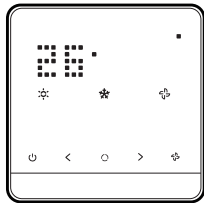
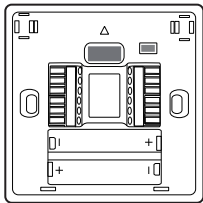
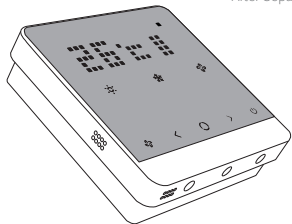
1. Make sure that the diameter of wire is 18-24AWG;
2. Make sure that the length of exposed wire is 1/8 of the whole wire.

CAUTION: Make sure your system voltage is 24V AC. If the old thermostat is labeled 120V or 240V, or has thick wires with wire nuts, your system is high voltage. Then do not install the Smart Thermostat, and contact HVAC specialist.

Install the Smart Thermostat

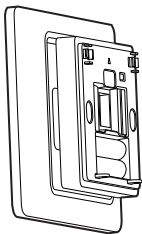
Step 1: Remove the anti-loosening screws at the bottom of the Smart Thermostat and take down its base.

After Separation: ▼



Step 2: Mount decorative plate (Optional).

Mount the optional decorative plate to cover holes or marks made by the old thermostat. Attach the base and decorative plate together to the wall.



Step 3: Wire the Smart Thermostat.

It is best to have this operation done by a HVAC specialist and there is a risk if it is done by a non-technical person.

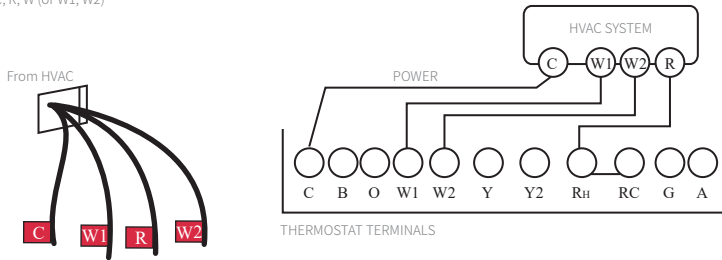
Connect wires to the Smart Thermostat and mark the connected wires with a pencil in the image below. This information will be needed when you configure the Smart Thermostat.

- Please make sure your system has a C-wire and connect it to the Terminal C on the Smart Thermostat. If your system does not have a C-wire, it's better to contact a specialist.
- Without C-wire, the battery of thermostat that has network function will be running out quickly.

Make sure all wires are connected with the corresponding systems

1. For Heating Device

Wires: C, R, W (or W1, W2)

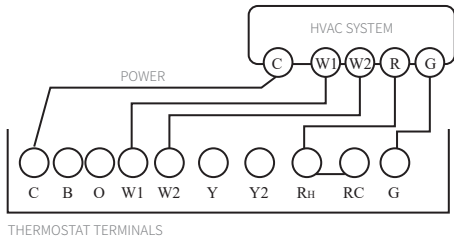
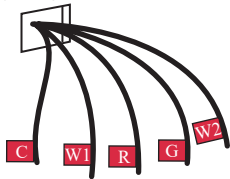


Note: When there is only W wire, please connect W1 to W1 wire terminal on the Smart Thermostat.

2. For Heating Device with Fan

Wires: C, R, G, W (or W1, W2)

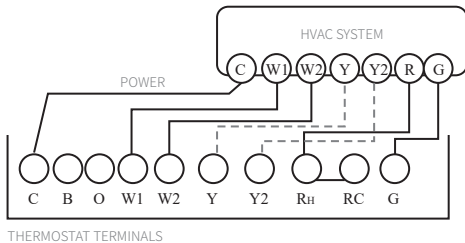
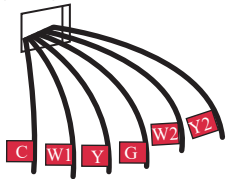
From HVAC



3. For Heating & Cooling Device

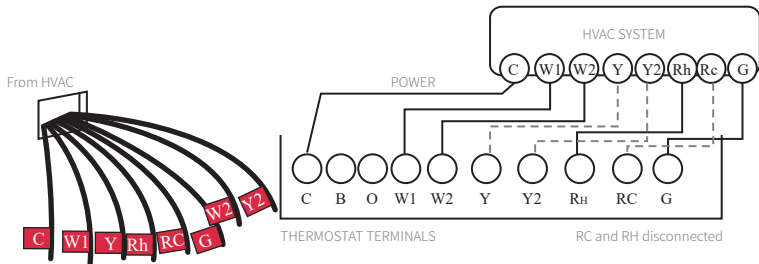
Wires: C, R, G, W (or W1, W2), Y (or Y1, Y2)

From HVAC



4. Device with RH and RC Wires.

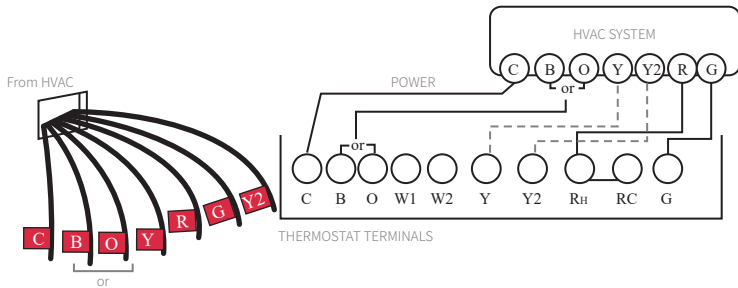
Wires: C, RH, RC, G, W (or W1, W2), Y (or Y1, Y2)



Note: When there is W or Y wire, please connect W to W1 wire terminal, and Y to Y1 wire terminal on the Smart Thermostat.

5. Heat Pump without AUX Heat

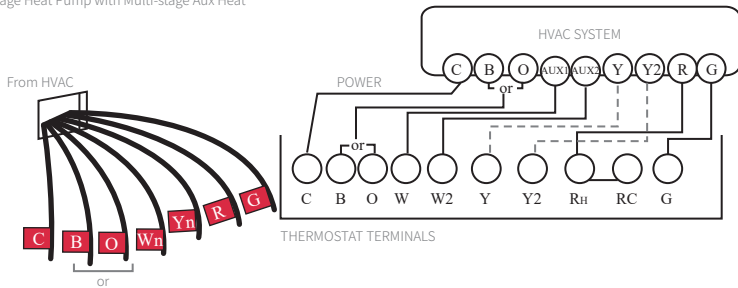
Wires: C, B or O, Y (or Y1, Y2), R, G



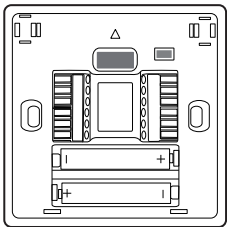
6. Heat Pump with AUX Heat

Wires: C, B or O, AUXn, Yn, R, G

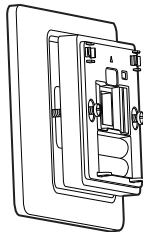
Multi-stage Heat Pump with Multi-stage Aux Heat

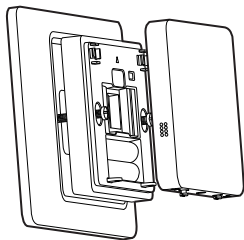


Step4: Install batteries.

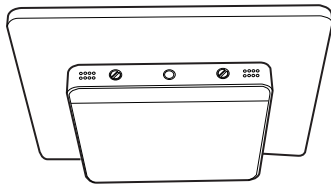


Tighten screws.



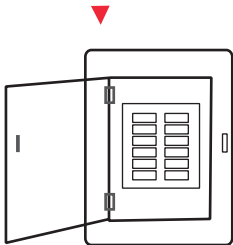


Step5: Attach the display.

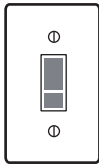


Tighten the screws at the bottom of the display.

Step 6: Switch power back on.



or



Connect the Smart Thermostat to a ZigBee Network

Step 1: Download "Wulian Smart Home" App and create an account.

Option A:

Download the latest Smart Home App by scanning the following QR Code or the QR code on the package box of the product.



Option B:

iOS user can download the App by searching "Wulian Smart Home" on "App Store".

Android user can download the App by searching "Wulian Smart Home" on "Google Play".

Tip: For the first time use, please download the App and read user manual carefully.

Step 2: Network setting

1.Before setting please make sure the gateway (need to be purchased) works normally and the ZigBee network indicator flashes, also the product is in a power-on state and within valid communication scope of the wireless gateway.

2.Before operating, please make sure the product is not connected to any other gateway; or exit the connecting ZigBee network before networking again (new product can be connected to the network directly).

3.Networking

①First time to join the network

- Allow the gateway for networking (refer to the gateway manual for details);
- When use the product for the first time, power it on and it will apply to join the ZigBee network automatically;

②Join the network manually

- Quick click the [Set Key] 4 times at bottom of Smart Thermostat.

4.Exit setting

Press and hold[Set Key] for 6 seconds to restore the device to factory default setting.

Note 1: If the device cannot join the ZigBee network after the operations above, please follow the following steps (please make sure the gateway is allowed for networking): ① exit the network (refer to Exit Setting for details); ② wait for 2s and quick click [Set Key] once or four times to join the network.

Note 2: After exiting the network, please do not cut off the power (such as switching off the power, removing the battery, etc.) within 4s in case of device abnormality.

Configure Settings

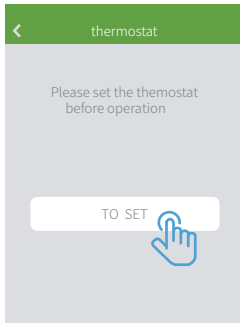
The thermostat configuration will be done on your app. Here you can configure the system parameters, such as Heat Pump or Normal, number of heat and cool stages, and heating fuel. In your online account, you will have to enter the thermostat configuration. Refer to page 9 for the appropriate diagrams when you set up the thermostat. While the default settings will be sufficient in most cases, you also have the option to change advanced configuration settings, such as: Swing, Differential, Recovery Setting, Fan Circulation Period and Modes Enabled.

WARNING: Do not change advanced configuration settings by yourself. These configuration settings should only be changed by people who are familiar with the parameters of heating and cooling systems. Contact local HVAC experts for help.

App operation is shown below:

Step 1: Find the Smart Thermostat in Smart Home App.

Enter “thermostat” interface, and press “TO SET”.

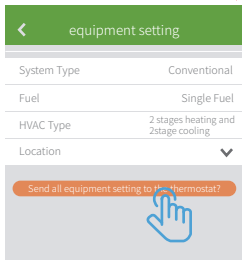


Step 2: Set system type.

[System Type] is for selecting Conventional or Heat Pump system;

[Fuel] is for selecting heating fuel;

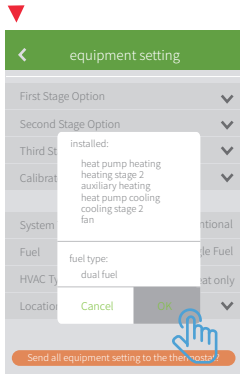
[HVAC Type] is for selecting heating/cooling stage. ▼



| equipment setting | |
|-------------------|-------------------------------------|
| System Type | Conventional |
| Fuel | Single Fuel |
| HVAC Type | 2 stages heating and 2stage cooling |
| Location | ▼ |

Send all equipment setting to the thermostat?

Step 3: Press “OK” to confirm the system type.



equipment setting

First Stage Option ▼

Second Stage Option ▼

Third Stage Option ▼

Calibration ▼

System Type ▼

Fuel ▼

HVAC Type ▼

Location ▼

installed:

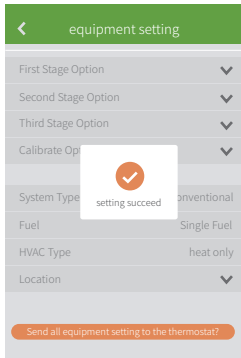
- heat pump heating
- heating stage 2
- auxiliary heating
- heat pump cooling
- cooling stage 2
- fan

Cancel OK

Send all equipment setting to the thermostat?

Step 4: It can be used normally if the prompt box “setting succeed” comes up.

Return to Step 2 and repeat setting operations if the prompt box “setting failed” comes up due to poor network performance.



No. 15, Fengji Road, Yuhuatai District, Nanjing, Jiangsu Province, China

Email: overseas@wuliangroup.com

Service Line: +86 400-889-2891

Official Website: www.wuliangroup.com