

T18BUTW-7-WIFI(TY)

OPERATING
INSTRUCTION

OPERATING INSTRUCTION

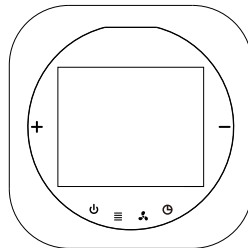


T18BUTW-7-WIFI(TY)

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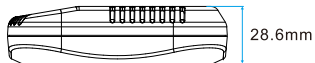
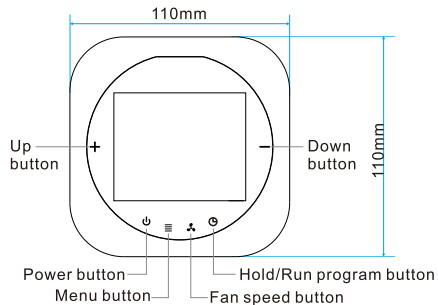
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Specifications

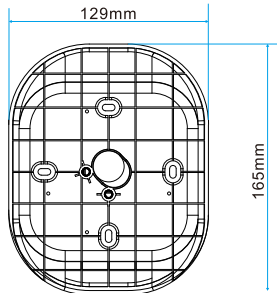


- Power source : 18-30VAC 50/60Hz
- IP Rating : IP21
- Temperature setting range : 41°F~95°F
- Temperature setting accuracy: 1°F
- Temperature display range :32°F~122°F
- Temperature accuracy : 0.1°F
- Operation temperature range : 32°F~122°F
- Shipping & storage temperature : 14°F ~ 140°F
- Output :Relay Load I_{max} 24V/(0.5A)
- Wifi Frequency : 2.4GHz

Thermostat's appearance



Thermostat



≡ Mode button

1. Under power on status, short press ≡ button to switch the mode, long press ≡ button to enter the programming settings. Under programming setting status, short press ≡ button to enter the next item.

2. Under power off status, long press ≡ button to enter the menu setting. Short press ≡ button under menu setting state to enter the next item.

⋊ Fan speed button

1. Under power-on status, short press ⋊ button to switch the wind speed mode. Long press ⋊ button to enter time query. Under time query or setting status, short press ⋊ button to enter the next time setting.

2. Under power off status, short press ≡ button in menu setting state to enter configuration menu..

⏻ Power button

1. In power on, short press ⏻ to save and exist the time/program setting; short press ⏻ to enter into work state.

Power off, long press ⏻ to remove WIFI and enter into network pair state.

2. In power off, short press ⏻ to power on.

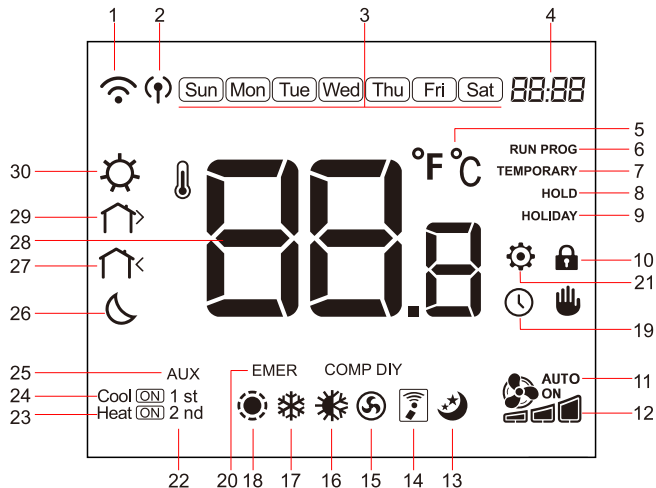
⌚ Hold/Run prog button

Short press to switch Hold/Run program mode. Long press to enter holiday mode.

+ Increase button

- Decrease button

* In power on, press "+" button and "-" button simultaneously to activate key lock.



- 1: WIFI icon: Flashing indicates the WIFI in connection, static indicates successful connection
- 2: Flashing indicates prepareing to connect network.
- 3: Week
- 4: Temperature setting, Time setting, Parameter setting
- 5: Temperature unit
- 6: Program run
- 7: Temporary mode
- 8: Permanent mode
- 9: Holiday mode
- 10: Key lock
- 11: Indicate Fan AUTO/ON
- 12: Indicate Filter alarm
- 13: Indicates leave home mode
- 14: Indicate UV light alarm
- 15: Indicate fresh air output
- 16: Indicate Auto mode

- 17: Indicate cooling mode
- 18: Indicate heating mode
- 19: Indicate clock
- 20: Indicate Emergency and Auxiliary Heat mode
- 21: Setting
- 22: 1 stage or 2 stage output
- 23: Heating Output
- 24: Cooling Output
- 25: Assistant Heating Output
- 26: Sleep
- 27: Return
- 28: Temperature Sampling
- 29: Leave
- 30: Wake

T18BUTW-7-WIFI(TY)

Power supply: 24VAC (18-30VAC) power supply through RC or RH, C terminal
(no C line can be transferred through four-wire to five-wire module)

Support stages: 1H/0C,0H/1C,1H/1C,2H/1C,2H/2C,3H/2C,4H/2C

Terminal 1:RT+,RT-,S,G,Y1,Y2,O/B

RT+: External sensor + terminal input

RT-: External sensor - terminal input

S: Control terminal input (with G and Y collinear input)

G: Fan output

Y1: One stage cooling or heat pump heating output

Y2: Two stage cooling or heat pump heating output

O/B: Four-way directional valve output

Terminal2: C,RC,RH,W1,W2

C: 24VAC power supply common input

RC: 24VAC cooling or single power input

RH: 24VAC heating power input

W1: One stage heating output

W2: Two stage heating output

T510-45(Optional Electric Control Module)

* Power supply: 24VAC(18-30VAC) 60Hz

* Ambient temperature : 32°F~122°F(0°C~50°C)

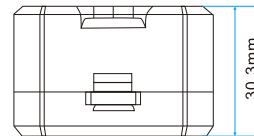
* Shipping temperature: 14°F~140°F(-10°C~60°C)

* Output: Relay Load I_{max} 24V/(1A)

* IP rating: IP 21

* Color: white

* Size: 67.1*47.5*30.3mm



Five-core lead length 500mm (18#AWG) input: R,C,G,Y,G

R: Air conditioning equipment 24VAC power input

C: Air conditioning equipment 24VAC power supply public input

G: Air conditioner fan input

Y: Air conditioning equipment refrigeration compressor input

W: Air conditioning equipment heating input

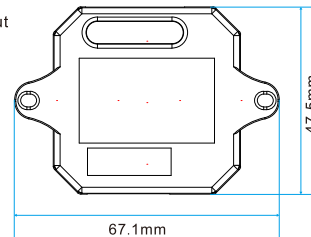
Terminal output: R,C,S,W

R: Converter 24VAC power output

C: Converter 24VAC power supply common output

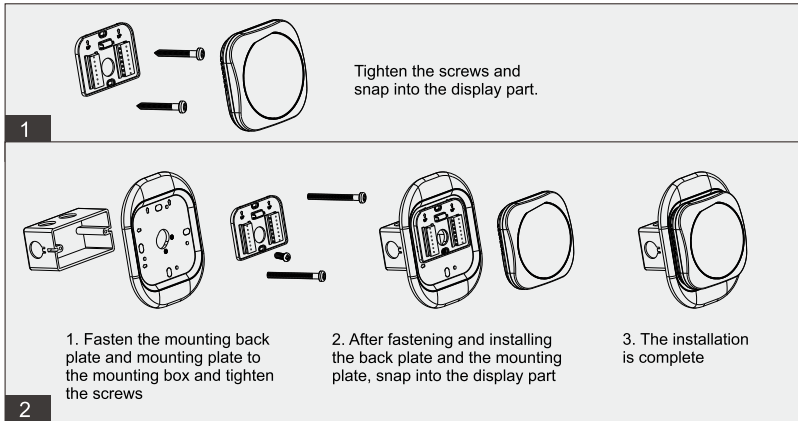
S: Converter control terminal (with G and Y collinear control)

W: Converter heating terminal



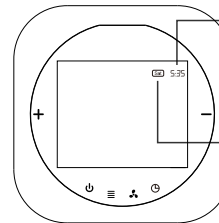
THERMOSTAT INSTALLATION

Two ways to install thermostat



Time Setting

Long press “” button to enter time setting.



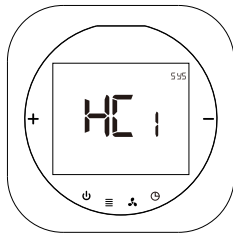
Time setting: press “+” or “-” to adjust the time , short press “” and switch to the week setting.

Week setting: press “+” or “-” to adjust the week short press “” and switch to the system setting.

System Setting

(In the parameter interface "SYS")

1. Press "+" or "-" to select the primary system.



Parameter options: (CO1, CO2, HE1, HE2, HC1, HC2, HP1, HP2, HPA)

CO1: 1 cool conventional

CO2: 2 cool conventional

HE1: 1 heat conventional

HE2: 2 heat conventional

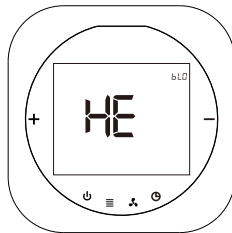
HC1: 1 heat/1 cool conventional

HC2: 2 heat/2 cool conventional

HP1: 1 compressor heat pump, 1-AUX

HP2: 2 compressors or 2 speed compressor heat pump, 1-AUX

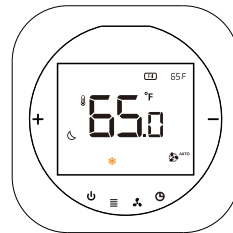
HPA: 2 compressors or 2 speed compressor heat pump, 2-AUX



2. Press "≡" to confirm the selection system

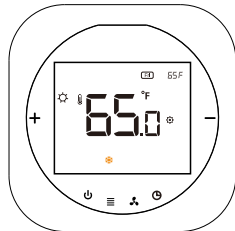
HE: Electric backup heat

HA: Fossil fuel backup heat



3. System setup completed, press "⏻" to return to the main interface

Programming Settings



Long press the menu button “≡” for 5s to enter the programming setting.

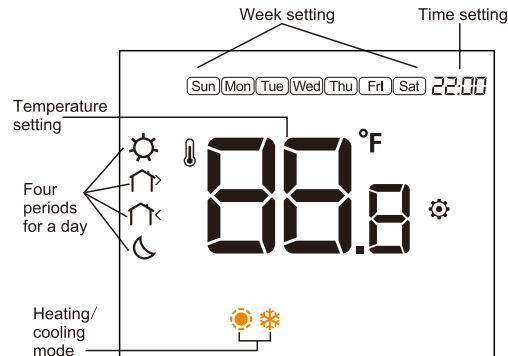
Please keep all the buttons lights on before performing this operation, if not, please press “⏻”

Note: it turns on the programming when the configuration PrO set to be Pr7.

7 days programming-Time/temperature setting

Separate programming settings for each day (Pr7)
(the programming setting are different from Sunday to Monday)

The are 4 periods each day by default



- 1.Week setting
- 2.Time setting
- 3.Temperature setting

Press “+”“-” to adjust the week / time / temperature,
short press “≡” to save the setting and switch to next period setting.



long press “≡” for 5s to switch the heating mode or cooling mode

Default setting (heating)

week periods	Sun	Mon	Tue	Wed	Thu	Fri	Sat
 6:00 Morning	72°F	72°F	72°F	72°F	72°F	72°F	72°F
 8:00 Out door	61°F	61°F	61°F	61°F	61°F	61°F	61°F
 18:00 Back home	72°F	72°F	72°F	72°F	72°F	72°F	72°F
 22:00 Night	61°F	61°F	61°F	61°F	61°F	61°F	61°F

✳ Exit programming settings : short press power button “

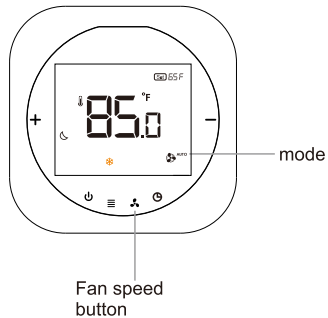
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Default setting (cooling)

week periods	Sun	Mon	Tue	Wed	Thu	Fri	Sat
 6:00 Morning	77°F	77°F	77°F	77°F	77°F	77°F	77°F
 8:00 Out door	82°F	82°F	82°F	82°F	82°F	82°F	82°F
 18:00 Back home	77°F	77°F	77°F	77°F	77°F	77°F	77°F
 22:00 Night	82°F	82°F	82°F	82°F	82°F	82°F	82°F

✳ Restore default setting: long press “+” and “-” for more than 5s until the screen shows “**def**” and the “**def**” flash 3 times.

Fan speed setting

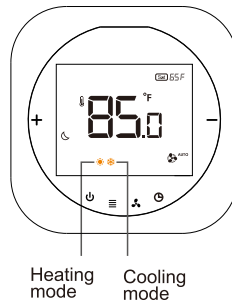


Fan speed mode setting: short press
“” for switching “AUTO” or “ON” mode.

AUTO:Automatic mode

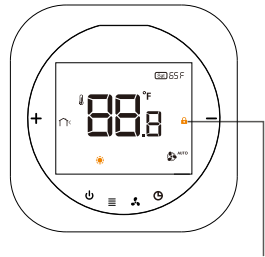
ON:FAN ON mode

Cooling and Heating Modes



Short press the menu button
“” for switching cooling mode
“” or heating mode “” or
single speed fan mode “”

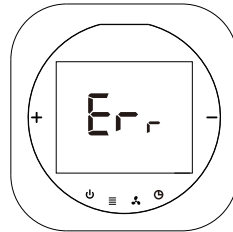
Child Lock



Child lock

Press the “+” and “-” buttons for 5s at the same time to open / close the child lock “🔒”.

Error Warning

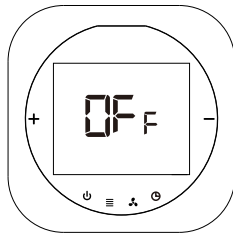


Room Temp(inside room sensor) broken or short cut, the thermostat will have “Err”

Configuration Menu

The configuration menu setting :

1. In the state of shutdown, long press menu button “≡” for 5s to enter the configuration parameter programming setting.
2. Press “+” or “-” to select the configuration parameter setting, then press “≡” to save and switch to the next item setting.
3. After all the parameters are set up, press power button “⏻” exit the setting and return to the OFF stage.



- ★ 1. The thermostat will exit the configuration parameter setting automatically and return to the shutdown state if there is no any operation within 30s.
- 2. Restore default setting: during setup, long press “+” and “-” for more than 5s until the screen shows “dEF” and the “dEF” flash 3 times.

System type option(SYS)

Parameter options: (CO1, CO2, HE1, HE2, HC1, HC2, HP1, HP2, HPA)

- | | |
|---|---------------------------------|
| CO1: 1 cool conventional | CO2: 2 cool conventional |
| HE1: 1 heat conventional | HE2: 2 heat conventional |
| HC1: 1 heat/1 cool conventional | HC2: 2 heat/2 cool conventional |
| HP1: 1 compressor heat pump, 1-AUX | |
| HP2: 2 compressors or 2 speed compressor heat pump, 1-AUX | |
| HPA: 2 compressors or 2 speed compressor heat pump, 2-AUX | |

Factory default: HC1

Intelligent recovery option (rEC)

Parameter options:(OFF,ON)

OFF: Deactivate the intelligent recovery function

ON: Activate the intelligent recovery function

Factory default:OFF

Manual/Autochangeover option(CHA)

Parameter options: (OFF,ON)

OFF: Manual changeover

ON: Auto changeover (Note: no programming run in auto mode)

Factory default:OFF

First cooling cycle rate(CCY)

Parameter options:(1°F~6°F)

Factory default:1°F

First heating cycle rate(hCY)

Parameter options:(1°F~6°F)

Factory default:1°F

Second cooling cycle rate(C2S)

Parameter options:(1°F~6°F)

Factory default:1°F

Second heating cycle rate(h2S)

Parameter options:(1°F~6°F)

Factory default:1°F

Emergency heat cycle rate(CrY)

Parameter options:(1°F~6°F)

Factory default:1°F

Compressor lockout delay option(dEL)

Parameter options:(0~5)

To protect the compressor from short cycling, you can select compressor off-time cycle between 0~5 minutes

Factory default:3

★ When the thermostat compressor time delay occurs, lockout.

No heat pump heat type option (bLO)

Parameter options:(HA,HE)

HA: Fossil fuel backup heat HE: Electric backup heat

Factory default:HE

★ HP1, HP2 and HPA system are Auxiliary heating

Display backlight option(bLL)

Parameter options:(1,2)

1:No backlight display

2:The backlight come on for approximately 30s when any button is touched

Factory default:2

Temperature recalibration option(CAL)

Parameter options:(-8~+8°F)

Factory default:0

°F or °C readout option(FC)

Parameter options:(°F , °C)

Factory default:°F

Program option(Pr0)

Parameter options: (Pr7, Pr0)

Pr7: 7-day program function for the thermostat

Pr0: non-program function for the thermostat

Factory default: Pr7

Filter replacement run time option(FIL)

Parameter options: (00-12)

This is a reminder to change or clean your air filter. This time can be set from 0 to 12 months in 1 month increments.

Factory default: 00

- ★ 1.The thermostat will display the “” after a set time of operation.
- 2.Selection of 00 will cancel the function.

UV lamp replacement run time option(UUL)

Parameter options:(ON,OFF)

ON: It means starts to counting for 0 day to 400 day

OFF: It means cancel the function

Factory default: OFF

- ★ The thermostat will display the “” when UV time(400 days) has expired.

Remote sensor option(SEn) 【Only for HP1 HP2 HPA system 】

Parameter options:(In,OU,ALL)

In: No remote sensor

OU: Outdoor control sensor (See Menu item 21 Heat pump temperature lockout)

ALL: Indoor sensor. if the thermostat is installed with an indoor remote sensor, display will show the read temperature from the indoor sensor.

Factory default: In

- ★ If the option is OU, ALL, please choose NTC-100K sensor.

Heat pump compressor lockout option(HPL)

Parameter options:(0°F,15°F, 20°F,25°F,30°F,35°F,40°F)

0: No heat pump compressor lockout

15°F, 20°F, 25°F, 30°F, 35°F, 40°F: heat pump compressor lockout temperature

Factory default:0

★ This option apply only to HP1, HP2, HPA setting in system type option and only works when remote sensor option (menu item 20) is set 2.

Heat pump auxiliary heating temperature lockout option(AUL)

Parameter options:(0°F, 40°F, 45°F, 50°F, 55°F, 60°F)

0: No auxiliary heating temperature lockout

40°F, 45°F, 50°F, 55°F, 60°F: heat pump auxiliary heating temperature lockout

Factory default:0

★ This option apply only to HP1, Hp2, HPA setting in system type option and only works when remote sensor option (menu item 20) is set 2.

Auto changeover dead band option(dbA)

Parameter options:(4~8°F)

Factory default:4°F

O/B port selection direction(Ob)

O: O/b terminal is output in cooling mode

b: O/b terminal is output in heating mode

Factory default: b

ventilator(FAN)

0~60 min

Factory default: 0

Nework time setting (nts)

OFF:Manual mode (local time and network time are not synchronized when the thermostat is online)

ON:Automatic mode (local time and network time are synchronized in real time when the thermostat is online)

Factory default: ON

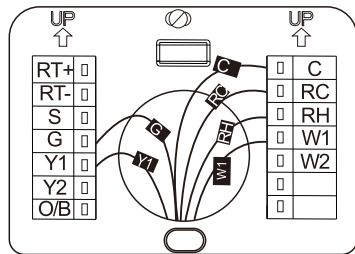


Note: When the heating equipment boiler or other passive equipment is connected to the W1 and W2 ports, the DIP switch must be set to **RH**, otherwise the heating equipment will be damaged.



Dial switch

The dial switch turns to RH

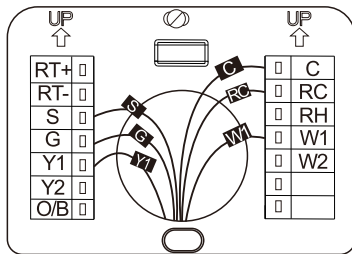


Note: When the heating equipment compressor or other active equipment is connected to the W1 and W2 ports, the DIP switch must be set to **RC**, otherwise the heating equipment cannot be linked and controlled.



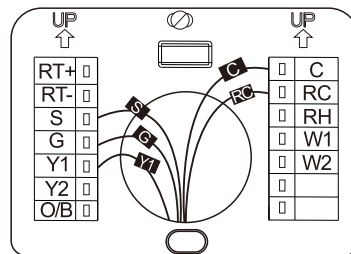
Dial switch

The dial switch turns to RC



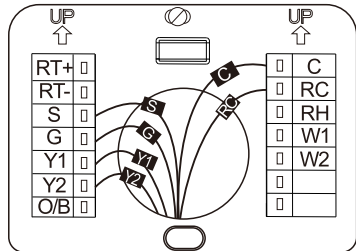
Note: The dial switch is to make the W1,W2 output type switching, the default is that RC and RH connected.

CO1:1 cool conventional



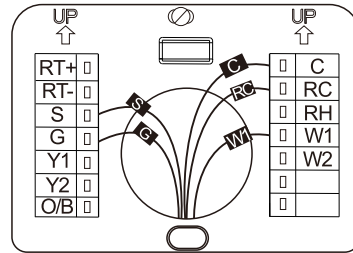
Description	Default	Parameter options
rEC	OFF	OFF/ON
CCY	1°F	1°F~6°F
dEL	3	0~5
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
FAN	0	0-60min

CO2: 2 cool conventional



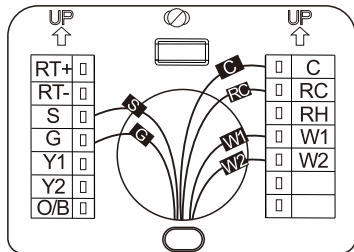
Description	Default	Parameter options
rEC	OFF	OFF/ON
CCY	1°F	1°F~6°F
C2S	1°F	1°F~6°F
dEL	3	0~5
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
FAN	0	0-60min

HE1: 1 heat conventional



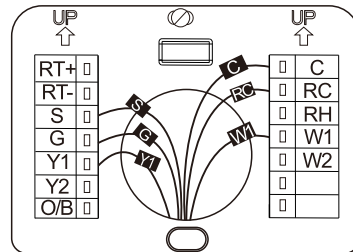
Description	Default	Parameter options
rEC	OFF	OFF/ON
hCY	1°F	1°F~6°F
bLO	HE	HA, HE
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
FAN	0	0-60min

HE2: 2 heat conventional



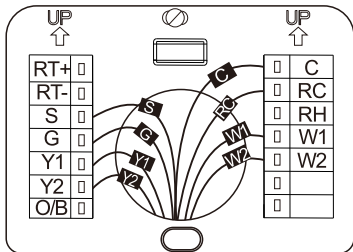
Description	Default	Parameter options
rEC	OFF	OFF/ON
hCY	1°F	1°F~6°F
C2S	1°F	1°F~6°F
bLO	HE	HA, HE
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
FAN	0	0-60min

HC1: 1 heat/1 cool conventional



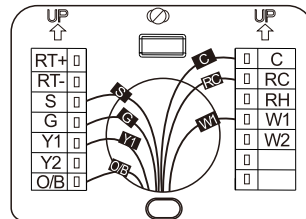
Description	Default	Parameter options
rEC	OFF	OFF/ON
CHA	OFF	OFF/ON
CCY	1°F	1°F~6°F
hCY	1°F	1°F~6°F
dEL	3	0~5
bLO	HE	HA, HE
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
dbA	4°F	4~8°F
FAN	0	0-60min

HC2: 2 heat/2 cool conventional



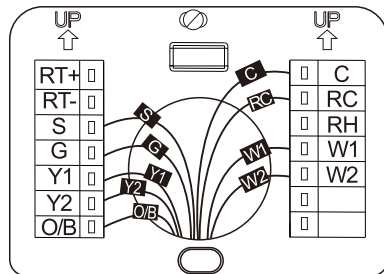
Description	Default	Parameter options
rEC	OFF	OFF/ON
CHA	OFF	OFF/ON
CCY	1°F	1°F~6°F
hCY	1°F	1°F~6°F
C2S	1°F	1°F~6°F
h2S	1°F	1°F~6°F
dEL	3	0~5
bLO	HE	HA, HE
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
dbA	4°F	4~8°F
FAN	0	0-60min

HP1: 1 compressor heat pump,1-AUX

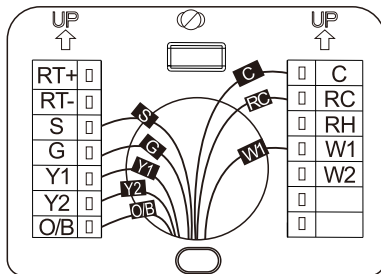


Description	Default	Parameter options
rEC	OFF	OFF/ON
CHA	OFF	OFF/ON
CCY	1°F	1°F~6°F
hCY	1°F	1°F~6°F
CrY	1°F	1°F~6°F
dEL	3	0~5
bLO	HE	HA, HE
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
SEn	In	In, OU, ALL
HPL	0	0°F,15°F,20°F,25°F,30°F,35°F,40°F
AUL	0	0°F,40°F,45°F,50°F,55°F,60°F
dbA	4°F	4~8°F
Ob	b	O/b
FAN	0	0-60min

HPA: 2 compressors or 2 speed
compressor heat pump, 2-AUX



HP2: 2 compressors or 2 speed
compressor heat pump, 1-AUX



The configuration parameter of system (HPA, HP2) .

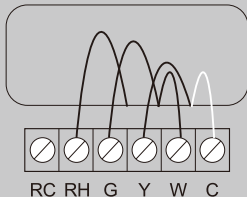
Description	Default	Parameter options
rEC	OFF	OFF/ON
CHA	OFF	OFF/ON
CCY	1°F	1°F~6°F
hCY	1°F	1°F~6°F
C2S	1°F	1°F~6°F
h2S	1°F	1°F~6°F
CrY	1°F	1°F~6°F
dEL	3	0~5
bLO	HE	HA, HE
bLL	2	1, 2
CAL	0	-8°F~+8°F
FC	°F	°F, °C
Pr0	Pr7	Pr0, Pr7
FIL	00	00-12
UUL	OFF	ON, OFF
SEn	In	In, OU, ALL
HPL	0	0°F, 15°F, 20°F, 25°F, 30°F, 35°F, 40°F
AUL	0	0°F, 40°F, 45°F, 50°F, 55°F, 60°F
dbA	4°F	4~8°F
Ob	b	O/b
FAN	0	0-60min

✓ CHECKPOINT: C WIRE

Do you have a C wire connected to your old thermostat?

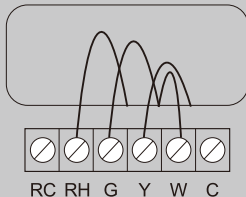
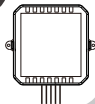
YES

Great, please continue to the **NEXT PAGE**.



NO

Go to install with a ECM.

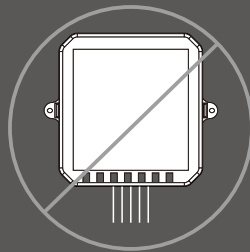


TIPS:

The wiring on your old thermostat may look different, just check to see if there's a C wire.

Install your thermostat with a C wire

If you have a C wire, it will power your thermostat. you won't need the Electric Control Module included in the box.



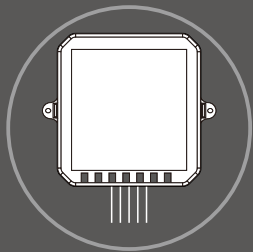
TIPS:

To install accessories (humidifier, dehumidifier or ventilator) please refer to the wiring diagrams at wiring.

Install your thermostat without a C wire

If you don't have a C wire, you will need to use the Electric Control Module included to reliably power your thermostat.

(Optional 4 to 5 wires)

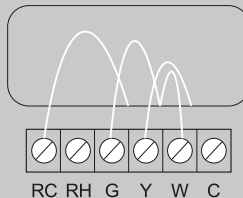


✓ CHECKPOINT: 4 WIRES

The Electric Control Module requires your system to have either of the following: 4 wires W/W1, Y/Y1, G, and R (or RC or RH)
Do you have these wires?

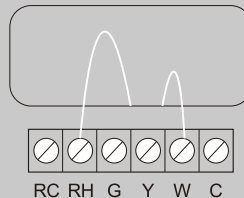
YES

Great, please continue to the **NEXT PAGE**.
The Electric Control Module will work with your system!



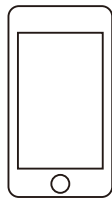
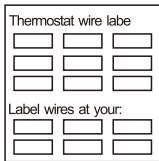
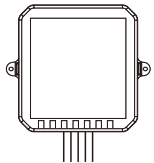
NO

Please check compatibility or contact us!



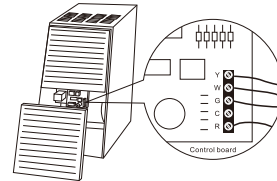
STEP1

Take your Electric Control Module ,wire labels, tools, your smart-phone, and go to your HVAC system.



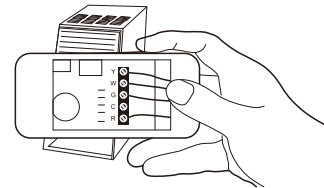
STEP2

Open your HAVC system's cover to reveal at control board.



STEP3

Take a picture of the wires connected to your control board. You may need to reference this photo later on.

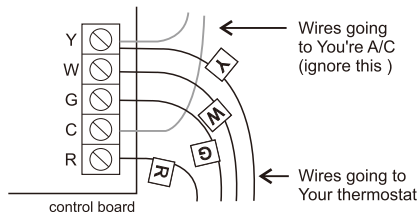


WARNING:

HVAC system contain high voltage wires. Use caution when working with the control board. If you'd rather leave it up to a professional.

STEP4

Label only the R,Y,or Y1,G,and W or W1 wires with the matching labels provided.
If you have more than one wire going into these terminals, only label those going to your thermostat.



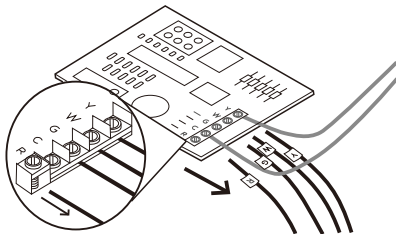
STEP5

Disconnect the wires labeled R,Y,G,and W from the control board. Then label it as follow :

* Important *

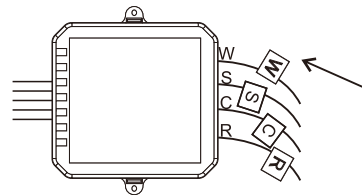
Attention please, at this time, you need to change the wire number. As follow:

RC/RH	→	R
G	→	C
Y	→	S



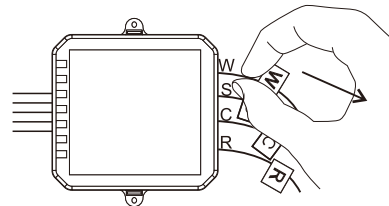
STEP6

Connect the wires you disconnected from the control board into their matching gray terminal blocks on the Electric Control Module.



STEP7

Tug on the wires gently to ensure they are securely connected.

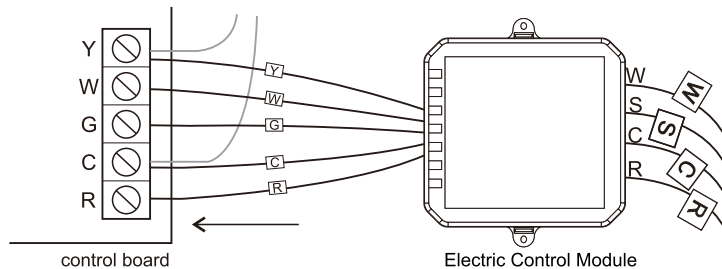


TIPS:

1. Press the buttons to insert the wires more easily.
2. When a wire has been connected correctly, the button on that block will lower.

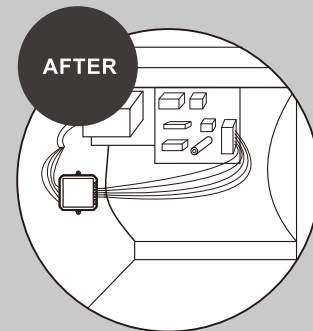
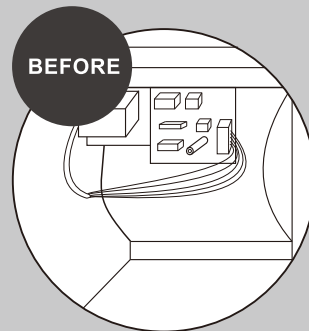
STEP8

Connect the five white wires coming out of your Electric Control Module to their corresponding terminals on the control board .



✓ CHECKPOINT: Electric Control Module

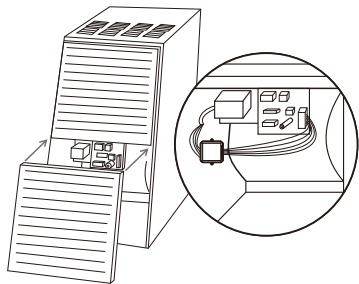
Check that you have installed the Electric Control Module correctly. It should be installed between your thermostat wiring and your control board.



STEP9

Mount the Electric Control Module inside your HAVC system, taking care not to strain the wires.

Close the HVAC cover panel securely return to your thermostat.



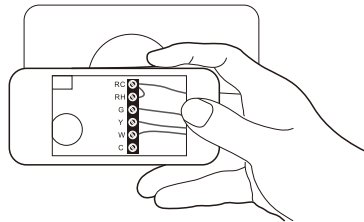
TIPS:

Make sure your HVAC panel is fully closed. Some systems will not turn on if the cover panel has not been closed properly.

STEP10

Back at your thermostat:

Carefully disconnect and label the wires from your old thermostat one at a time, using the labels provided.



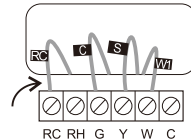
* Important *

Attention please, at this time, you need to change the wire number. As follow:

R/RC/RH	→	RC
G	→	C
Y	→	S
W	→	W1

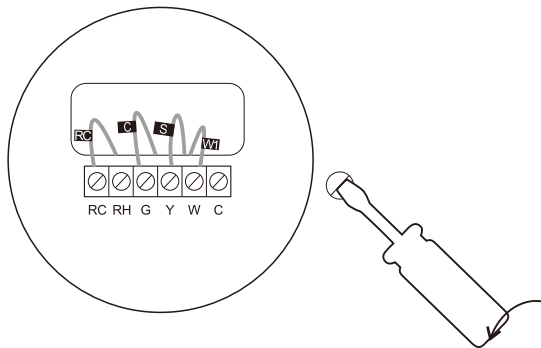
* Take a photo before disconnecting the wires from your old thermostat ,

You may need to reference this photo later on.



STEP11

Unscrew the mounting plate of your old thermostat to remove it from the wall.

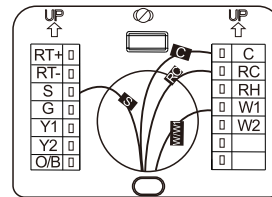


⚠ WARNING:

Be careful, as some thermostat may contain mercury.
Recycle your old thermostat safely with your local hazardous waste facility.

STEP12

First, connect these 4 wires as show: RC,C,S,W1. Then connect any remaining wires to their corresponding terminal.

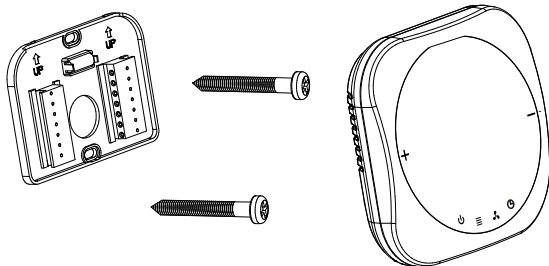


💡 TIPS:

Press the terminal block levers to insert the wires more easily.

STEP13

Gently press your thermostat into the backplate until it “clicks” into place.

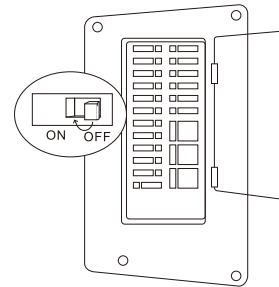
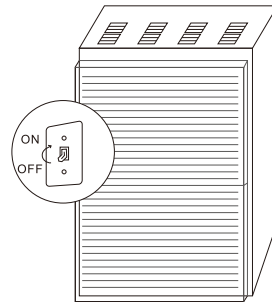


TIPS:

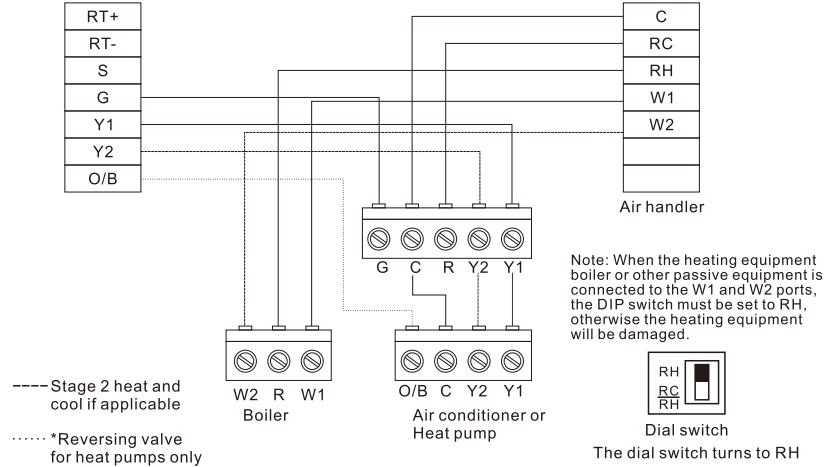
If the thermostat “rocks” or is not flush with the wall, be sure the excess wires are pushed all the way into the wall.

STEP14

Turn the power to your HVAC system back on using the master switch or at the circuit breaker box.



Boiler or radiant system with air handler and conventional cooling or heat pump.



Wiring must comply with applicable codes, ordinances and regulations.

1. Wire the NTK100 Outdoor Sensor to the RT+/RT- terminals on the thermostat.
2. Mount the NTC-100K in its mounting clip.
3. Plug wiring hole using nonhardening caulk or putty.

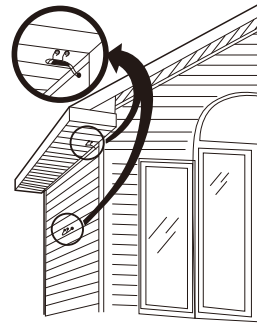
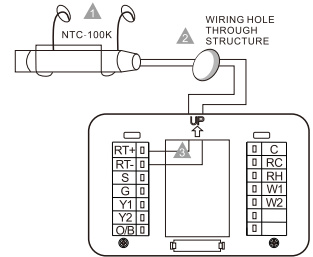


Fig. 1. Typical locations for outdoor sensor.



- ▲ Use appropriate mounting means for the type of structure.
- ▲ Plug wiring hole with non-hardening caulk or putty.
- ▲ RT+ /RT- terminal location varies with model.

Fig. 2. Wiring diagram for the NTC-100K Outdoor Sensor to the thermostat.

Optional sensor

NTC 100K Room Sensor With 3 Meter Wiring

*Used for outdoor temperature detection when there is water pump protection.



FCC Radiation Exposure Statement:

FCC FCC ID:2AOIFT18BUTW

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Link APP



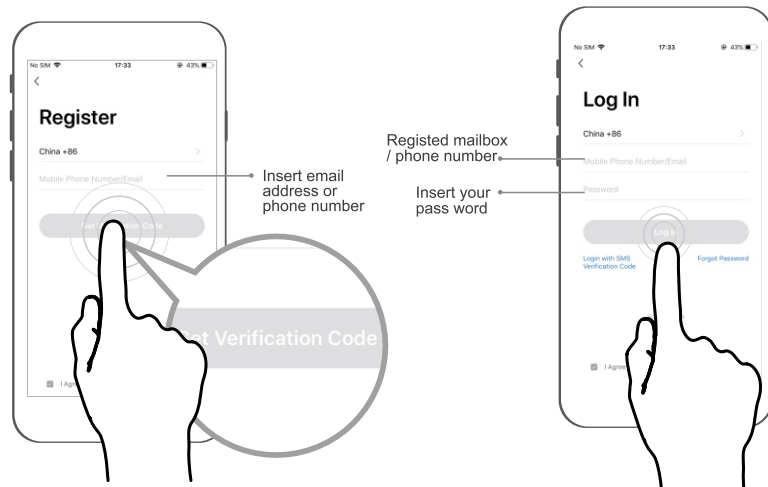
Click App store (or click Android application market)



Search "TuyaSmart" and download or scan the QR code to download.

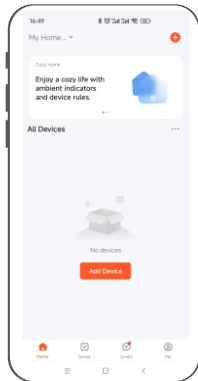


When you finish the register, log in your mailbox and click on the link to activate your account, then can login thermostat's APP.

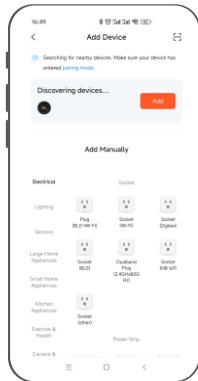


Add Thermostat

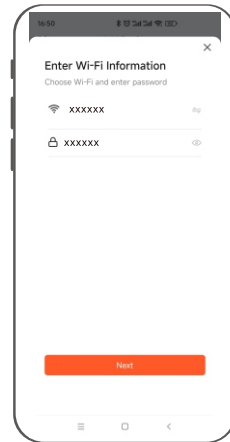
Note: Please turn on your phone Bluetooth.

Confirm “The image shows the home screen of the SmartThings app. At the top, there's a status bar with the time 16:49 and various icons. Below that, a header says "My Home" with a dropdown arrow and a red "+" button. The main content area has a "City Home" section with a blue house icon and text "Enjoy a cozy life with ambient indicators and device rules." Below this is an "All Devices" section showing "No devices" and a red "Add Device" button. At the bottom is a navigation bar with icons for Home, Scenes, Smart, and Me.

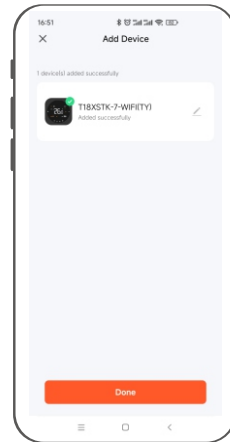
- ① Click “+” on the top of right or “Add Device”.



- ② Click “Add”.

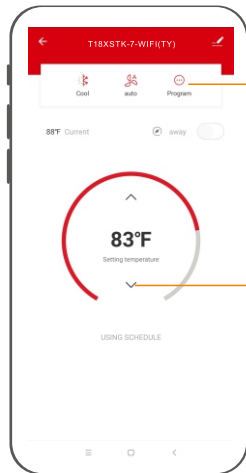


- ③ Confirm wifi account and enter wifi password, then click “Done”



- ④ Device added successfully, click “Done”

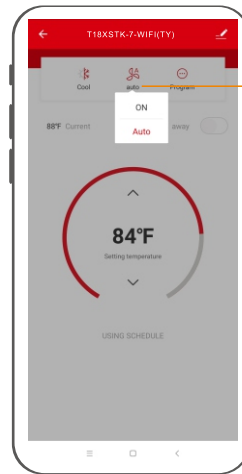
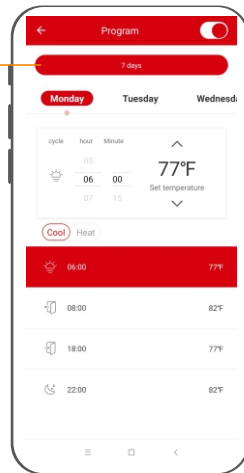
Programming Setting



Click the "7 days" to select the period

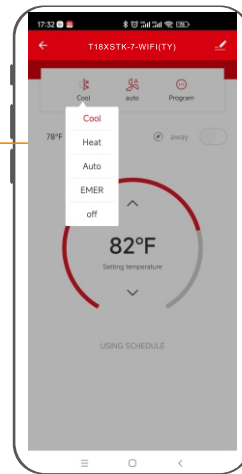
Click the "program" to enter the programming interface for selecting the period of time of 7-day programming, press "↑" "↓" to set temperatures in the different periods of time.

Press "↑", "↓" to adjust the temperature.



you can choose ON/Auto mode

you can choose Cool/Heat/Auto/EMER/off mode



Tips: According different system selection, the mode will different.

Temporary Stay-out Setting

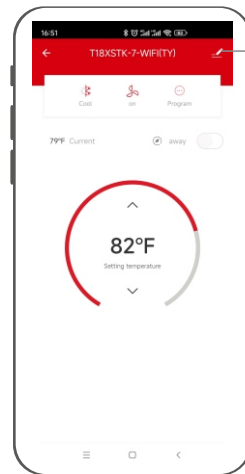
- 1 If you need to go out, please click Away key “”



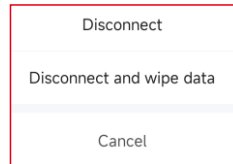
The temperature can remain as energy saving heating/cooling set the energy-saving icon“”.

- 2 After you arrival at home , click Away key “” to active the previous temperature setting.

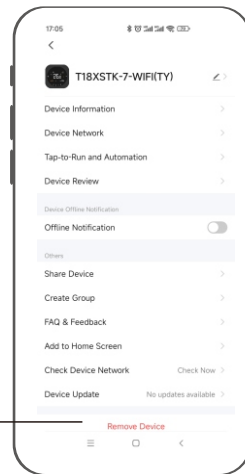
Exit network/remove devices



Click the icon to check the device information



Click “remove device” to select Disconnect / Disconnect and wipe data / Cancel



Voice commands:

***Set the bedroom(Device name) to Cool/heat/auto/aux/off mode**

* You can say “change/switch/turn/make bedroom to cool mode”

* Bedroom is the device name,you can name it yourself.

Amazon Alexa

***You can say such as follow:**

“Alexa, open <Bedroom>.”

“Alexa, close <Bedroom>.”

“Alexa, what is the temperature of <Bedroom>.”

“Alexa, what is the target temperature
of the <Bedroom>?”

“Alexa, set <Bedroom> to cool.”

“Alexa, set <Bedroom> to 24 .”

Google Assistant

***You can say such as follow:**

“OK Google, What is the temperature of <Bedroom>?”

“OK Google, set the <Bedroom> to 24 degrees.”

“OK Google, set <Bedroom> mode to cool.”

“OK Google, turn on <Bedroom>.”

“Ok Google, turn off <Bedroom>.”

Tips:you need connect to the Google speaker