BEOK
CONTROLS

Battery Power RF Smart Thermostat for wall-hung boiler

✓ The equipment function is stable and reliable, and the operation is simple and convenient.

✓ The device has antifreeze function, child lock function and humidity function (only Wi-Fi model).

✓ Capacitive touch and extra-large screen - better user interaction experience.

✓ Dual mode settings, operation can be set at will, comfortable Freedom and control of life.

✓ RF transmitter desktop design, compatible with wall-mounted design, installation is very simple, flexible.

✓ Relying on stable RF wireless technology, the thermostat is paired with the receiver, the signal is stable, and the pairing speed is fast.

WORKS WITH Amazon Alexa | WORKS WITH Google Assistant | Wi-Fi | tuya

1.Standard Accessories

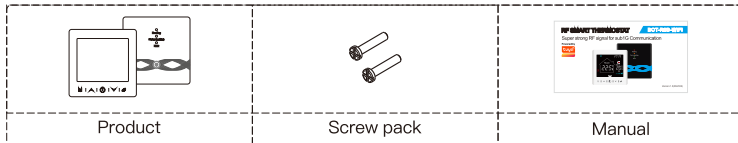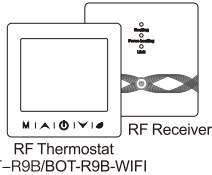| Product	Screw pack	Manual

Product Overview

RF Thermostat BOT–R9B/BOT-R9B-WIFI
RF Receiver

This set is suitable for wall–hung boiler temperature control. As long as you install the RF Receiver device near the wall–hung boiler, even if the thermostat BOT–R9B/BOT–R9B–WIFI is placed in the living room or room (with an open distance of 200 meters), the RF Receiver can be controlled by the BOT–R9B/BOT–R9B–WIFI thermostat.
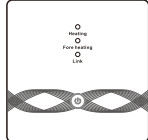
2.Product Overview

[RF Thermostat]

Power supply	3 x 1.5 V alkaline AA batteries
Temp. setting range	5~95℃
Ambient temperature	–5~50℃
Measurement accuracy	0.1℃
Setting temp. accuracy	0.5℃
Transmission distance	≤200m in the open air
Protection level	IP20
Wireless frequency	433MHz（FSK）/ 433MHz（Bidirectional FSK）

[RF Receiver]

Power supply	AC100~240V；50/60Hz
Device power consumption	1W Max
Ambient temperature	–5~50℃
Transmission distance	≤200m in the open air
Wireless frequency	433MHz（FSK）/ 433MHz（Bidirectional FSK）

3.Display Symbols

[RF Thermostat]

Child–lock
Frost Protection
Wi–Fi
433MHz(FSK)
Weather forecast (optional)
Room Temp.
Floor Temp.
Floor Heating
Heating on
Week Display

Time Display
Indoor humidity(optional)
Wake up; Event 1
Leave (am); Event 2
Return (am); Event 3
Leave (pm); Event 4
Return (pm); Event 5
Sleep; Event 6
Setting temp.
ECO Mode
Manual Mode
Auto Mode
Temporary Mode
Battery power

Mode | Up | Power on/off | Down | ECO

[RF Receiver]

Red light on: heating on
Red light off: heating off

Yellow light on: forced heating mode is on
Yellow light off: forced heating mode is off
Flashing green: pairing
Green light on: successful pairing
Green light off: not paired

Power light on: Power on
Power light off: Power off

4.User routine operations

Function	Steps
Power on/off	Press " ⏻ " shortly to turn on/off the thermostat.
Auto–mode	Press " M " for 3 seconds to edit auto–mode settings.
Temp. control mode	Press " M " shortly to switch manual/auto mode.
Temp. setting	Press " ∧ " or " ∨ " shortly to change setting temperature by 0.5℃.
Child–lock	Press " ∧ " + " ∨ " for 3 seconds to activate child–lock.
Time setting	Press " 🍃 " twice for 3 seconds to set time.
ECO mode	Press " 🍃 " shortly to set to ECO mode 18℃(64℉).
Pairing mode	Under power–off, press " M " + " 🍃 " for 3 seconds to pairing mode.
Wi–Fi setting	Under power–off, press " 🍃 " for 3 seconds to Wi–Fi setting.
Low power reminder	When the voltage is less than 3.3V, the small icon of battery power flickers, it is recommended to replace the new battery as soon as possible before use.

5.Auto–mode Setting

Press "knob key" for 3 seconds to edit auto-mode setting.

Events		Symbols	Time		Temperature	
			Default value	Modify	Default value	Modify
Workdays	1	🛏	06:00	Rotate knob	20℃（68℉）	Rotate knob
	2	🏃	08:00		15℃（59℉）	
	3	🍴	11:30		15℃（59℉）	
	4	🏠	12:30		15℃（59℉）	
	5	🏠	17:00		22℃（72℉）	
	6	🌙	22:00		15℃（59℉）	
Weekends	1	🛏	08:00		20℃（68℉）	
	2	🌙	22:00		15℃（59℉）	

6.RF Thermostat advanced setting (Usually for Professional Technicians)

Under power–off, press " M " for 3 seconds to enter advanced setting mode, then repress " M " to switch to next mode. Press " ⏻ " to save and exit advanced setting mode.

| Code	Meaning	"∧" or "∨"	Default value
01	Temp. calibration	–9.9~9.9℃(–9~9℉)	–1℃
02	Temp. Dif.	0.5~10℃(1~10℉)	±1℃
03	Temp. upper limit	5~95℃(41~199℉)	50℃
04	Temp. lower limit	5~47℃(41~117℉)	5℃
05	Frost protection	ON: frost protection on OFF: frost protection off	OFF
06	Temperature unit	℃/℉	℃
09	Weekly programming setting	12345: 5/2 week mode 123456: 6/1 week mode 1234567: 7/0 week mode	12345
12	Child–lock	00: Child–lock inactivate when screen off; lock all when child–lock activate 01: Child–lock activate when screen off; lock all when child–lock activate 02: Child–lock activate when screen off; lock all except Fan Speed, Up and Down when child–lock activate 03: Child–lock activate when screen off; lock all except Power on/off when child–lock activate	00
13	Power–on–reset	00: Power OFF 01: Power ON 02: The last status before power loss	02
19	Reset	Press "∧"for 3 seconds to reset	/

7.RF Receiver operating instructions

Function	Steps	Display state
Power on/off	Press " ◉ "shortly	Power light is always on/off
Pairing	Under power–off, press " ◉ "for 3 seconds	" ● "Green flashes quickly
Distribution network is successful	\	Buzzer beeps +" ◉ "light is on + " ● "green light is on
Forced output	Under power–off, Double click the " ◉ "	" ● "Red light on +" ● "yellow light on
	Short press " ◉ "to exit the forced output and return to the shutdown state	The " ◉ "light goes out
Reset	Under power–off, press " ◉ "for 3 seconds, After the green light flashes " ● ", double–click the press " ◉ "again	" ● ● ● ● " lights flash once at the same time
External probe temperature limit temp setting	When powered on, press " ◉ " for 3 seconds	" ◉ "Power light flashes (No temperature limit, Default value)
	When the power light is flashing, short press " ◉ " once	" ◉ "Power light is flashing + " ● " green light is on(30℃ temperature limit)
	When the power light is flashing, short press " ◉ " twice	" ◉ "Power light is flashing + " ● " yellow light is on(40℃ temperature limit)
	When the power light is flashing, short three times press " ◉ "	" ◉ "Power light is flashing + " ● " red light is on(55℃ temperature limit)
	When the power light is flashing, Long press " ◉ "for 3 seconds	Save and exit External sensor temperature limit temperature setting

8.Dimensions (Unit: mm)
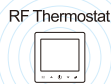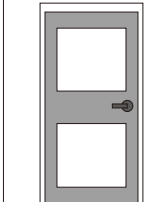
RF Thermostat
86
86
26
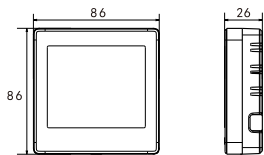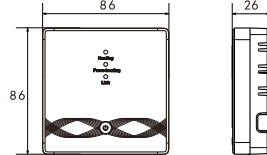
RF Receiver
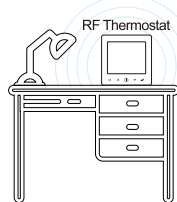86
86
26

9.Installation location

The installation distance between the thermostat and the receiver does not exceed 200m (the distance can be judged according to the actual network coverage)

Tip: There are many ways to install the RF thermostat, ①wall mounting ②desktop placement
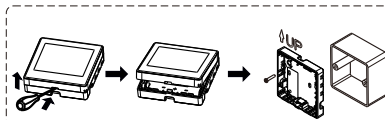
① wall mounting

RF Thermostat

② desktop placement

RF Thermostat

10.RF Thermostat mounting steps.* Note: two power supply methods

3 x 5 Alkalibatterien

* Note: ① It is recommended to use brand new 1.5 V alkaline AA batteries
② Insert the battery, Check polarity (+/−) is it aligned correctly

1) Release front cover by inserting a head screw–driver into bottom crack.

2) Mount backing plate into wall–cassette, put screws and then fix thermostat. Make sure that the thermostat is fixed without deformation. Suggested torque is 0.2~0.4N.m (2.0~4. 1kgf.cm).
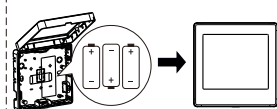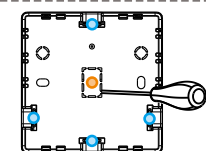
3) After inserting the battery, align the frame of the blank panel with the buckle, close the panel, and complete the installation.

12.RF Thermostat installation steps
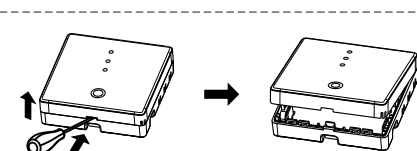
1) Release front cover by inserting a head screw–driver into bottom crack.

2) The user can choose the wiring method by himself
(① **Exposed wiring:** choose any one of the four directions, then use a flat–blade screwdriver to pry open along the dotted line; ② **Concealed installation and routing:** along the dotted line in the middle of the bottom shell, use a flat–blade screwdriver to pry open)

3) Put the wire into the terminal and tighten it with a flat– blade screwdriver. After tightening the terminal screws, cover the upper cover to complete the installation.
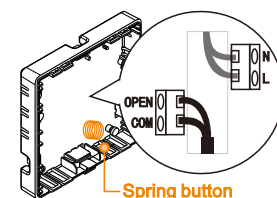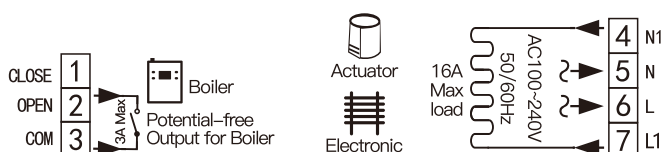
Note: The wire line can not touch the spring button, otherwise it will affect the button touch function

Power cable

N
L
OPEN
COM

Spring button

Signal line

13.RF Receiver wiring diagram

The thermostat operates in full capacity in areas with the altitude of less than 2500 above sea level. Power rating of external load should be less than or equal to 80%rated power of the thermostat in areas with altitude of 2500m to 4200m.
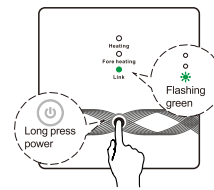
CLOSE 1
OPEN 2
COM 3
3A Max

Boiler
Potential–free Output for Boiler

Actuator

Electronic

16A Max load

AC100–240V
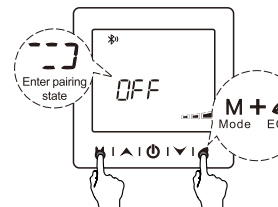50/60Hz

4 N1
5 N
6 L
7 L1

Output (N1 , L1) is for :
① Thermal Actuator
② Electronic heating product

14.Pairing steps

① Under power–off, press " ⏻ " for 3 seconds, when the green light "●" flashes, the receiver enters the pairing state..

② Under power–off, press " 🍃 " + " M " for 3 seconds,the thermostat enters the pairing state.

Heating
Cooling
Fore heating
Link
Flashing green
Long press power

Enter pairing state

OFF

M + 🍃
Mode   ECO

③When the receiver's buzzer beeps once, and the power light " ⏻ " + the green light "●" are always on, the pairing is successful.

RF Receiver 1

The power light on
Steady green

RF Receiver 2

The power light on
Steady green

Keep paired state

OFF
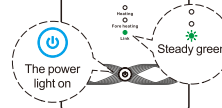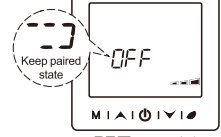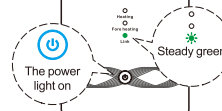
RF Thermostat

Tip: Support one RF thermostat to pair with multiple RF receivers. After the pairing is successful, you need to short press the "power button" to exit the pairing mode

16. APP remote control and voice control (Wi-Fi only)

Smart Speaker

Smartphone

Wi–Fi Router

RF Thermostat

RF Receiver   18

17.Network Configuration (Wi-Fi only)
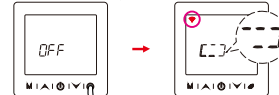
Download Smart Life APP

LogIn
China
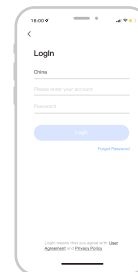
Download on the
iPhone store

ANDROID APP ON
Google play

Scan the QR code above or search "Smart Life" on App Store and Google Play to download the Smart Life APP.

18.Wi-Fi setting (Wi-Fi only)

① In the OFF state, long press the " 🍃 " for 3 seconds, when the screen flashes " " and " 📶 " , the thermostat Enter the state of distribution network;

OFF →

② Enter the " **Home**" interface of the APP, click " ➕ " in the upper right corner, select the " **Go to add** " button in the pop–up window, and finally click " ➕ " to enter the Wi–Fi password interface;
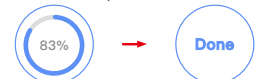
➕ → Go to add

*Please turn on the Bluetooth of your phone in advance.

③ Select 2.4G Wi–Fi and enter the password, click " **Confirm** ", and then wait for the connection to succeed;

Confirm → 15%

④ After the addition is successful, click "**Done**" , and the RF thermostat has been added successfully.

83% → **Done**

19.Voice control (Wi-Fi only)

After waking up the speaker, you can say:

Amazon Alexa : Alexa,	**Google Assistant : OK google,**
* Turn on the HEATER	* Turn on the HEATER
* Turn off the HEATER.	* Turn off the HEATER.
* Make the HEATER cooler in here.	* Set the HEATER to 26 degree
* Make the HEATER warmer in here.	* Drop the HEATER by 1 degree
* What is the temperature of the HEATER?	* Raise the HEATER by 1 degree
* Turn on child lock for the HEATER	* Turn on child lock for the HEATER
* Turn off child lock for the HEATER	* Turn off child lock for the HEATER

*Attention: " **HEATER** " is the device name, you can also name it yourself. The temperature unit of thermostat and smart speaker must be identical.