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BEOK CONTROLS
BOT306RF WIFI Boiler
Thermostat

BEOK CONTROLS BOT306RF WIFI Boiler Thermostat Instruction Manual

Contents

BEOK CONTROLS BOT306RF WIFI Boiler Thermostat

Product Information

Specifications

- **Model:** BOT306RF-WIFI
- **Wireless Function:** Yes
- **Terminal Receiver:** BOT-W306
- **Wi-Fi Function:** BOT-X306

Technical Parameters:

- **Working Voltage:** USB Type C (5V)
- **Current Load:** 3A
- **Setting Temperature Range:** 5-35°C
- **Limiting Temperature Range Consumption:** Temperature Sensor

Product Usage Instructions

Installation

1. Choose a suitable location for mounting the thermostat, ensuring it is within range of your heating system.
2. Connect the thermostat to the power source using the provided USB Type C cable.
3. Follow the manufacturer's instructions to pair the thermostat with the receiver and set up the Wi-Fi connection if needed.
4. Mount the thermostat securely on the wall or place it on a flat surface.

Operation:
To set the desired temperature:

1. Press the temperature adjustment buttons to increase or decrease the temperature.
2. Use the menu options on the LCD screen to access additional settings such as scheduling and modes.
3. Confirm your selections by pressing the appropriate buttons on the thermostat.

Frequently Asked Questions (FAQ)
Q: Can the thermostat be controlled remotely via a smartphone?
A: Yes, if the Wi-Fi function is enabled and set up, you can control the thermostat remotely using a compatible smartphone app.

BOT306RF-WIFI BOILER THERMOSTAT

Product Summary

BOT series boiler thermostats are with LCD digital display big screen, and it is developed according to the market's requirements. Thermostats can be installed on the wall, or directly put on the table. This series of thermostats are easy to operate and with complete functions. It can be used to control boilers, motorized ball valves, motorized valves, electric valves, solenoid valves, etc.

Technical Parameter

Working Voltage	USB type C (5V)
Current Load	3A
Temperature Control Accuracy	±1°C (0.5-4.5°C adjustable)
Setting Temperature Range	5-35°C
Limiting Temperature Range	5-35ºC
Consumption	<0.3W
Temperature Sensor	NTC

Main Button Instruction

⏻ : ON/OFF Switch;

🔁 :Mode Button. Switch between 🖐 Manual Mode 🕐🖐 Auto Period Control Mode, 🖐 Temporary Manual Mode. Long press to enter period setting.

🕐 :Time Set. Hour, minute and week setting;

△ :Up Button. To increase temperature. When press it with ⏻ and 🔁 it can set programmable function;

▽ :Down Button. To reduce temperature. When press it with ⏻ and 🔁 it can set programmable function;

🔒 : Key Lock. Long press 🕐 5 seconds to lock or unlock;

User Interface Explanation

Wifi Symbol   Heat

Child Lock ──

Room Tem. ──

7 Days ──

Auto Work Period ──

── Set Button

── Tem,Time, Parameter Set

── Time Set

── Manual Mode
   Programmable Mode

When power-on, press 5 seconds to enter period program

Six Periods(In/Out Room)

On/Off
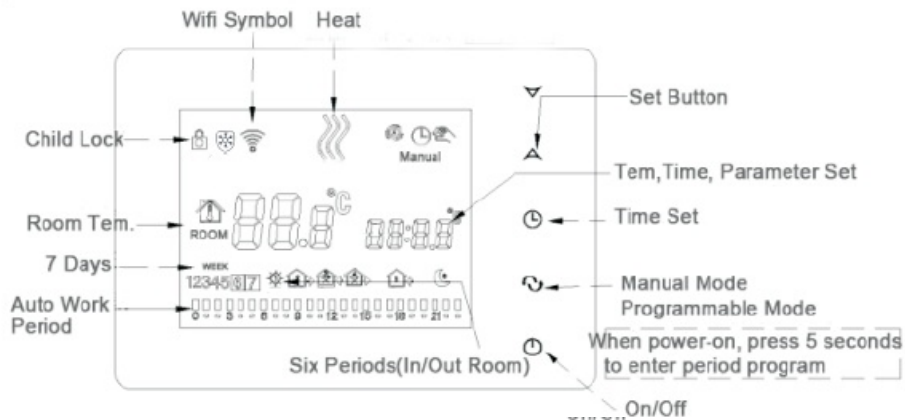
🖐:Manual Control. 🕐🖐:Temporary Manual Control. Ⓐ:Auto Control.

🔥:Heating.

☀:First Period. Wake up in the morning.
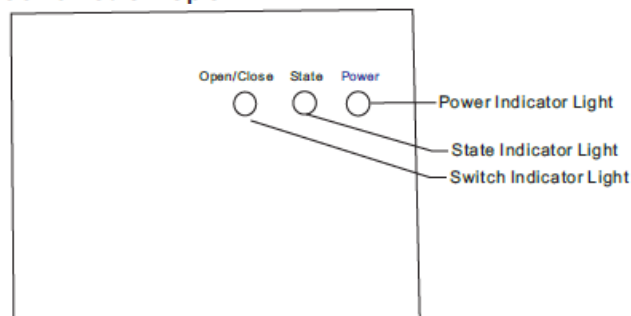
🏠:Second Period. Out of home in the morning.

🏠:Third Period. Go home in the afternoon.

🏠:Forth Period. Out of home in the afternoon.

🏠:Fifth Period. Go home in the evenning.

☾:Sixth Period. Sleep in the evening.

❄: Anti-frozed function open.

Open/Close   State   Power

── Power Indicator Light

── State Indicator Light

── Switch Indicator Light

Model Spec

Model	Wireless Function	Terminal Receiver	Wi-Fi Function
BOT-W306			
BOT-X306	✓	✓	
BOT306RF-WIFI	✓	✓	✓

Operation Instruction

Time Setting

Press , 🕐 the time area will display Minute, Hour and Week, then press or △ or ▽ to modify time.

Programmable Period Temperature Setting

6 periods every day in a week

5+2 Controls 1 2 3 4 5
6+1 Controls 1 2 3 4 5 6
7+0 Controls 1 2 3 4 5 6 7

Set, or modify parameter

A Week Loop Control

3. Press one time, time twinkles, you can set the time during this period. time during this period.

1. After Power is on, long press 5 seconds to enter period program. Loops means a Week loop.
2. Press again, room temperature display and twinkle, you can set the temperature during this period.
4. Press again, to set the next period temperature and time with the same method.

First step, long press ⏰, screen display LooP(Cycling Control), screen displays 12345 (From Monday to Friday);

Press ▽ one time, it displays 123456(From Monday to Saturday); Press two times, it displays 1234567(From Monday to Sunday);

Second step, time and temperature setting in every period. When screen display 12345 or 123456 or 1234567,

press ↻ to enter temperature setting. Press ⏰ to enter time setting. To modify and save through or .

Att: When auto-control ,if user needs to reset the temperature, it can be changed to temporary manual control.

Temporary manual control means when the thermostat is in auto-control mode(program mode), user press ▽ or to modify temperature setting, thermostat now is in temporary manul control state. When next periods comes, thermostat will automatically return to the acquiescent period program control mode.

Programmable Period Time Setting

First press , ↻ then press ⏰ to change to time options, user can modify time in the period.

Default Program Data

Period		Icon	Default Time	Default Temperature
Workday	1	☼	06:00	20℃
	2		08:00	15℃
	3		11:30	15℃
	4		12:30	15℃
	5		17:30	22℃
	6	☾	22:00	15℃
Weekends	1	☼	08:00	22℃
	2	☾	23:00	15℃

Att:

1. The default temperature values of 3 and 4 period in workday is same with 2 period. If user need, please change this default temperature.

2. Setting temperature is 00, it means this period is power off.

Advanced Setting

Firstly, press time button

Then, press power button

After entering advanced setting, press ↻ to choose next parameter changing.
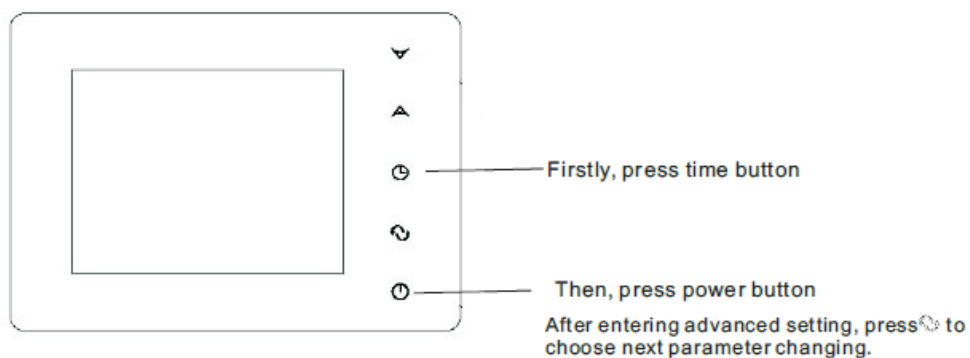
In the state of power-off, long press and hold 🕐 then press ⏻ into advanced setting mode. Then press ↻ to set relative item.

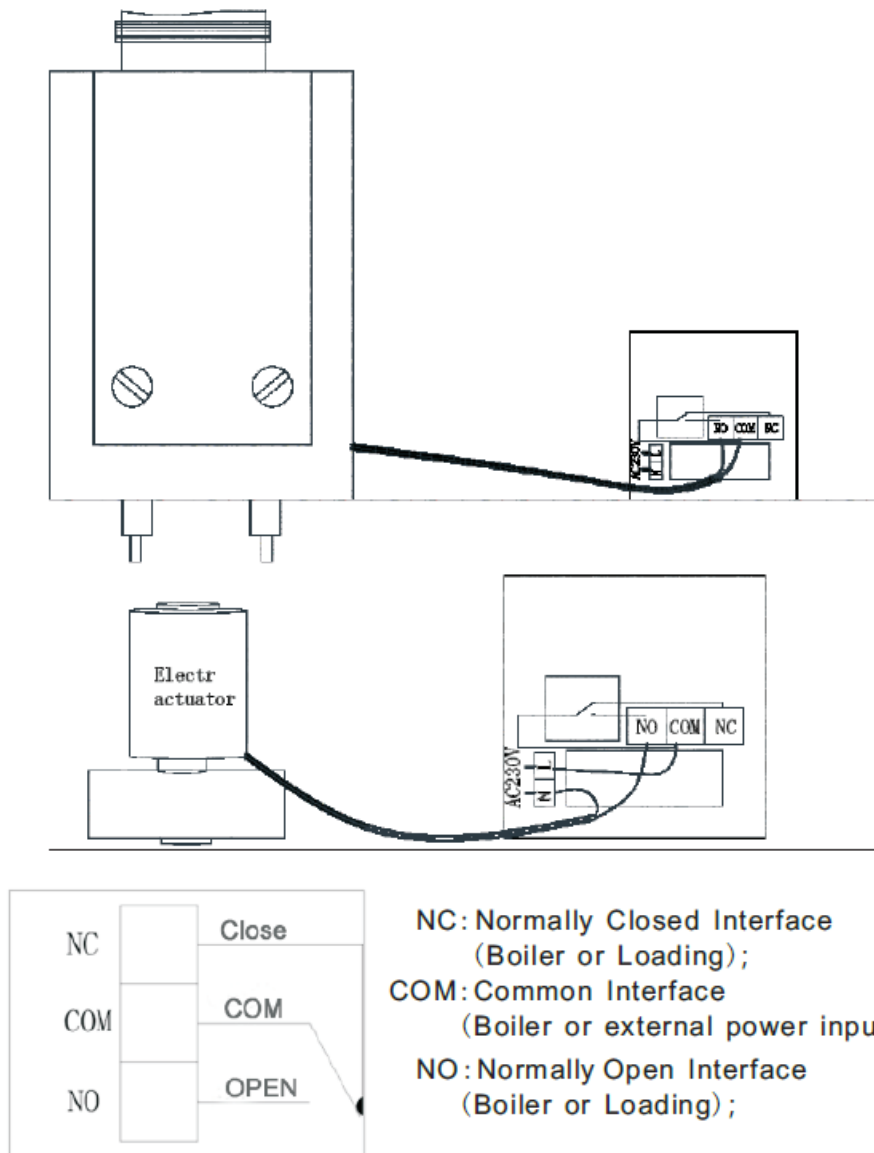| Display Code	Function	Setting And Options	Factory Default
dIF	Limit temp. return difference	0.5-4.5℃	1℃
SVH	Set temp. upper Limit	5-35℃	35℃
SVL	Set temp. low limit	5-35℃	5℃
AdJ	Measure temp.	-5-5℃(0.5℃accuracy correction)	0.0℃
FrE	Anti-frozen	00 : Close anti-frozen 01 : Open anti-frozen	00
LOC	Button lock function	00: Unlock 01: except power switch, all buttons are locked 02: All buttons are locked	00
SNP	Set Sequence Number	00 : Close this function 01 : Open this function	0
FAC	Factory setting	08 : Just display 00 : Return to factory setting	08

Wiring Diagram

NC: Normally Closed Interface
(Boiler or Loading);

COM: Common Interface
(Boiler or external power input);

NO: Normally Open Interface
(Boiler or Loading);

The button inside receiver is Reset button. When status indicator light stay on or not on, user can press reset button to resume normal work.

Att:
Installation wires should be changed to be 1.5-2.5mm² hard line.
Please rightly connect the wires strictly according to the connect diagram. Don't make water, mud and other debris into the thermostat, otherwise it will damage the thermostat.
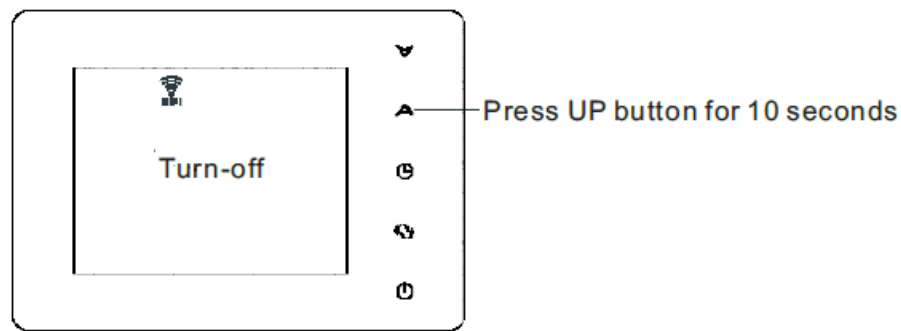
WIFI Configure

1. Install APP on phone

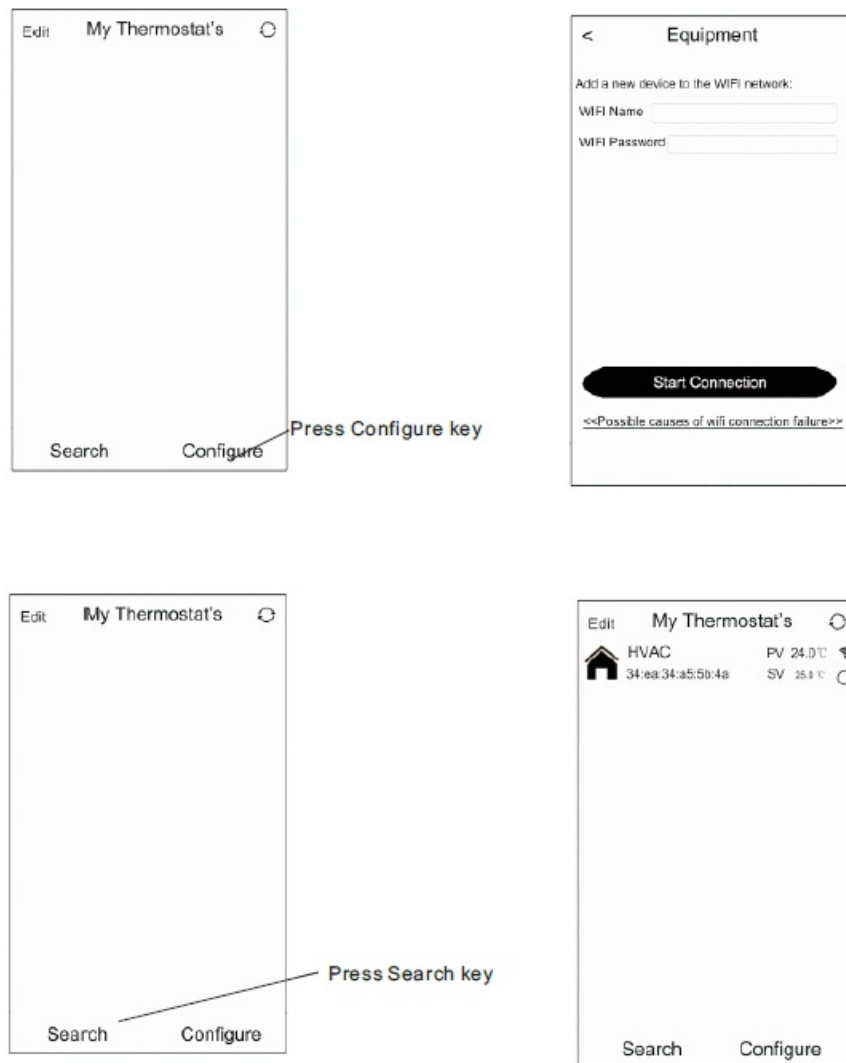   For iOS system: Login in App Store, search " Beok RF Boiler", you can download it on your iphone.

   For Android System: Login in Google Play, search " ", you can download it on your phone. Beok RFBoiler
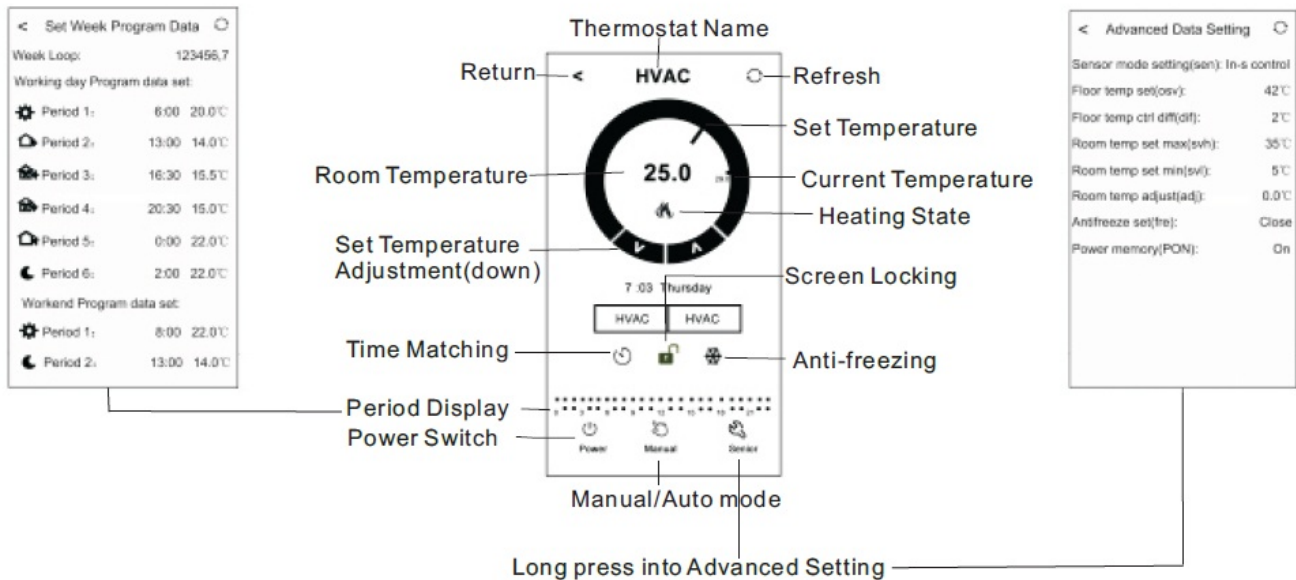
2. Connection Thermostat with Phone

Press UP button for 10 seconds

Thermostat Setting

1. Download and Install APP on phone.
2. Press thermostat button for 10 seconds when thermostat is in turn-off state, then WIFI signal will appear and quickly twinkle.
3. Enter your wifi name and password, then start connection configure.

Press Configure key

Press Search key

APP Interface on the Phone

Set Week Program Data ↻
Week Loop: 123456,7
Working day Program data set:
☼ Period 1: 6:00 20.0℃
☁ Period 2: 13:00 14.0℃
🏠 Period 3: 16:30 15.5℃
🏠 Period 4: 20:30 15.0℃
☁ Period 5: 0:00 22.0℃
☾ Period 6: 2:00 22.0℃
Workend Program data set:
☼ Period 1: 8:00 22.0℃
☾ Period 2: 13:00 14.0℃

Thermostat Name
Return — < HVAC ↻ — Refresh
Set Temperature
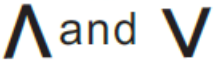Room Temperature — 25.0 — Current Temperature
— Heating State
Set Temperature Adjustment(down)
7:03 Thursday
HVAC HVAC
Screen Locking
Time Matching
Anti-freezing
Period Display
Power Switch
Manual/Auto mode
Long press into Advanced Setting

Advanced Data Setting ↻
Sensor mode setting(sen): In-s control
Floor temp set(osv): 42℃
Floor temp ctrl diff(dif): 2℃
Room temp set max(svh): 35℃
Room temp set min(svl): 5℃
Room temp adjust(adj): 0.0℃
Antifreeze set(fre): Close
Power memory(PON): On

Thermostat Setting through Phone Operation

1. Clock : You can press Time Matching switch to match your phone clock with thermostat clock.

2. Children lock (screen locking) : Press to lock the thermostat.

3. Anti-Freezing: Press thermostat will show on the screen , it means Anti-freezing function open.

4. Temperature setting: You can drag the pointer on Temperature Setting Dial to set temperature. Or press ∧ and ∨ and to set temperature step. directly

5. .Period setting: Long press Period Display, then you will go into the Period Setting mode:

6. Advanced Setting: Long Press Senior Senior , you will go into Advanced setting mode:

7. Switch of Manual mode and Auto mode: Press Manual to switch manual mode or Auto mode.

8. Power off : Press to turn on or off thermostat.

Installation Instruction
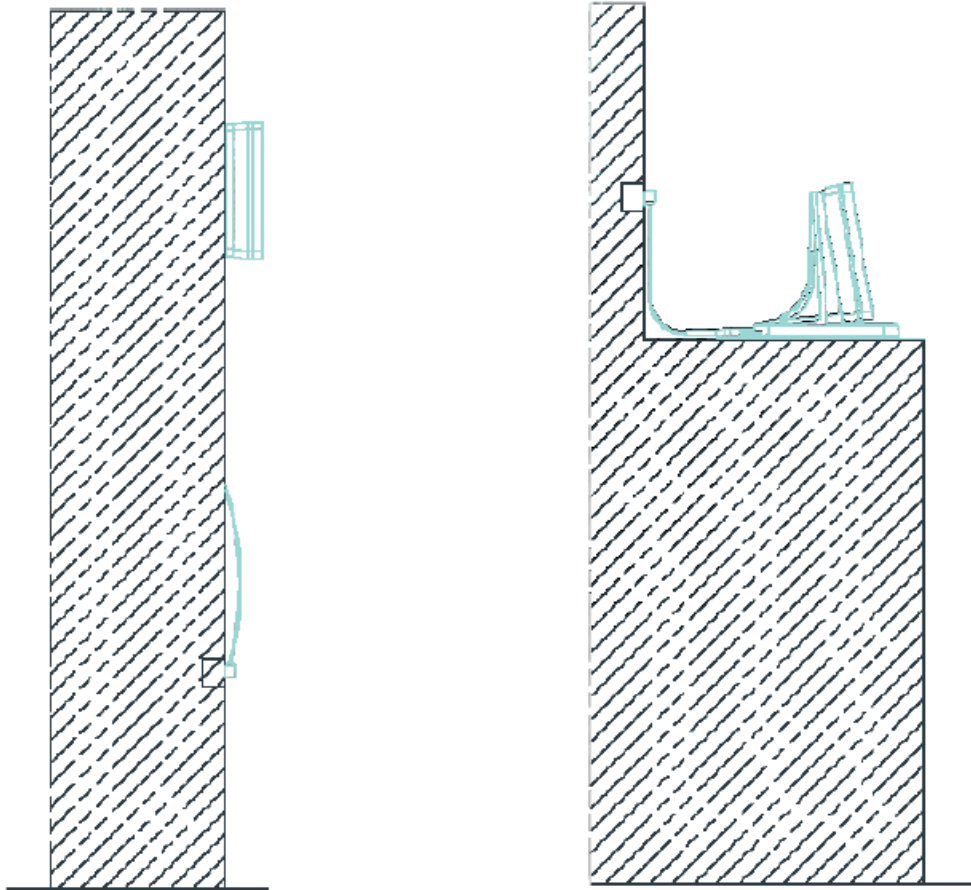
Insert the equipped USB (Type-C) connector into the charger.

Set Sequence Number

1. Every thermostat has a matched receiver, and thermostat and receiver have a same group of sequence number. If user mix during installation, sequence number can be set through the following method.(Sequence number is unique)

1 4 4 9 1 2 3 4 5 6 7 8 4 3
sn1 sn2 sn3 sn4 sn5 sn6 CHK

2. In Advance Setting, SNP need to be set 01. Then to set SN through the following four steps.

Power Off State

1. Press ▽ button

2. Press ⏻ button

The first step, press ▽ button under power off state, then press button, then press ⏻ button to enter parameter setting;

Modify to be right numbers

Modify to be right numbers

Appear SN2-SN6 in order
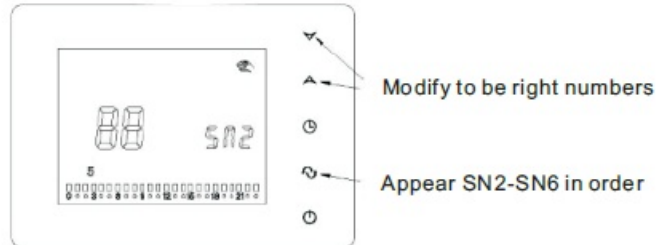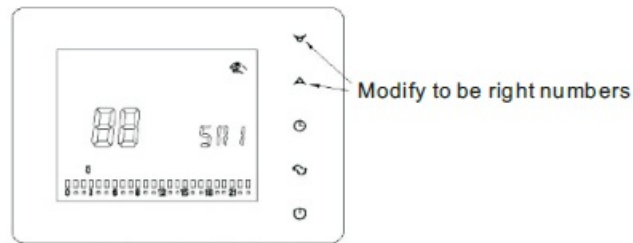
The second step, after appearing SN1, press ⩔ or to modify the number;

The third step, every time pressing once ⟳ , it will appear SN2, SN3, SN4, SN5 and SN6 in order. Refer to second step, press △ or ⩔ or to modify.

CHK(Check) Code

All SN are correct. CHK code is same.
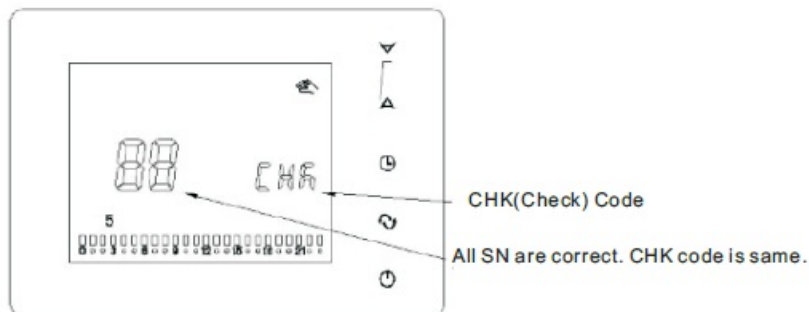
The forth step, after SN is finished setting, if CHK Code is the same with bar code, it is correct. If not consistent, it is not correct. Please input again.

3.VAC: Control valves1-8 place numbers. The default value is 01.

(This setting is only useful when thermostat is applied to control Wireless Main-Control Centralize d Controller. If thermostat is used to control boiler, this setting must be 01.)

ATT

Thank you for buying this product!

Please read this manual for complete instructions on installing and operating your thermostat. If you require further assistance, please feel free to contact us.
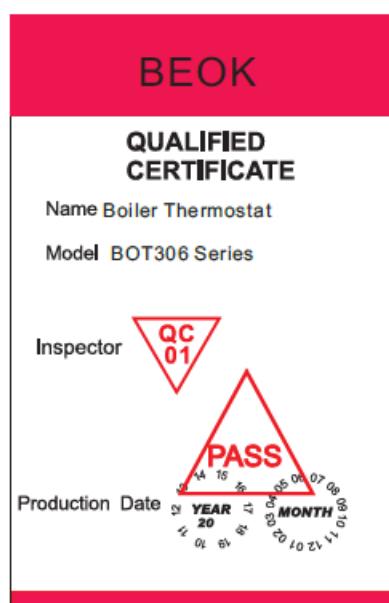
In the box you will find:

Model	BOT-W306	BOT-X306	BOT306RF-WIFI
Thermostat	√	√	√
User Manual	√	√	√
Screws	√	√	√
Receiver		√	√
USB Cable			√
Support Bracket			√

Our Service:

We offer the warranty of 24 months from the sales day.

During the warranty, if it is belong to the quality issue, we will fix or replace them for you by free after test them.

If it is not quality problem or beyond the warranty time, we will charge for the after-sales service.
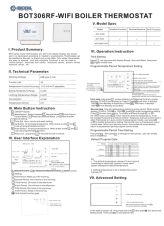
BEOK

QUALIFIED CERTIFICATE

Name Boiler Thermostat

Model BOT306 Series

Inspector QC 01

PASS

Production Date YEAR 20 MONTH

Warning:

The symbol means the unit is being installed, it may cause electrical shock hazard during maintaining, so please make sure it is operated by the professional technical worker.

Documents / Resources

[BEOK CONTROLS BOT306RF WIFI Boiler Thermostat](#) [pdf] Instruction Manual
BOT-W306, BOT-X306, BOT306RF-WIFI, BOT306RF WIFI Boiler Thermostat, BOT306RF, WIFI Boiler Thermostat, Boiler Thermostat, Thermostat

References

- [**User Manual**](#)