

BOT-313 WIFI THERMOSTAT



I. Product Summary:

BOT-313WIFI boiler thermostat is wifi control wireless thermostat. User can download our phone Application to control this thermostat by phone.

It is with LCD digital display big screen, and it is developed according to market's requirements. This series 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.

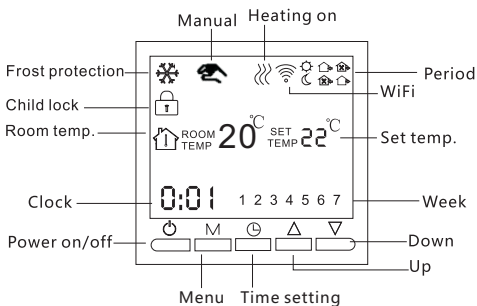
II. Technical Parameter:

Working voltage	200~240V
Current load	3A
Temperature control accuracy	0.5~5℃ adjustable. (factory set is 1℃)
Setting temperature range	5-60℃. (factory default 5-35℃)
Limiting temperature range	5-99℃
Consumption	< 0.15W
Temperature sensor	NTC

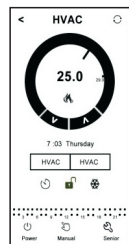
III. Main Button Instruction

- Ⓞ ON/OFF Switch;
- M Mode Button: Switch between manual mode and program mode
Long press to enter period setting.
- ⌚ Time set: Hour, minute and week setting.
- ▲ Up button: To increase temperature.
- ▼ Down button: To reduce temperature.

IV. User Interface Explanation (Thermostat Port)



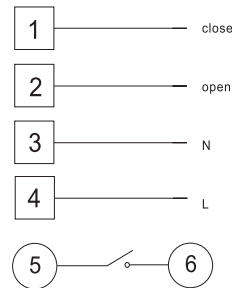
V. User Interface Explanation (Phone Port)



VI. Model Spec

Model	Program function	Wired function	Wifi function	Backlight	Terminal receiver
BOT-313WIFI-BL	✓	✓	✓	blue	
BOT-313WIFI-WH	✓	✓	✓	white	

VII. Wiring Diagram



Please connect L and N to 220 voltage power, 5 and 6 to your gas boiler. 1 and 2 are for thermal actuators, please do not connect them to your gas boiler.

Remarks: please read wiring diagram carefully before connecting. If you connect it wrongly, there will be a short circuit. Your gas boiler board will be damaged!!!

VIII. Thermostat Operation Instruction

- Setting Power on/off**
Press Ⓞ to turn on/off the power.
- Setting Temperature**
Press ▲▼ to set the temperature.
- Setting the Clock**
Press ⌚ to set minute, hour and week.
Press ▲▼ for adjusting.
- Setting the Manual Mode.**
Manual mode means non-programmable mode.
Press M then 🏠 will display in the screen, it is in manual mode.
Press ▲▼ to set the temperature.
Press Ⓞ to set minute, hour and week.
- Setting the Child Lock**
Long press Ⓞ to enter into child lock mode, 🛡️ will display.
Long press Ⓞ again, the child lock will be disappeared.
- Setting the Programmable Mode.**
Press and hold M into programmable mode. LOOP and 12345 will display.
Press ▲▼ to select the control way: 5+2 or 6+1 or 7 days programmable.
12345 display in the position of week means 5+2;
123456 display in the position of week means 6+1;
1234567 display in the position of week means 7 days programmable.
Press M to select the periods.
Press ▲▼ to change the temperature;
Press Ⓞ to do time adjustment.
Press ▲▼ to change the time;
Press M again to select the weekend's temp.
If you want to make temporary adjustment in any period, press M then 🏠 will flash. When finish the setting, all will confirm automatically.

Press M to switch operation between manual mode and programmable mode.

Period	Period Icon	Defaulted Time	Defaulted Temp.	
Week	1	⚙️	6:00	20℃
	2	🏠	8:00	15℃
	3	🏠	11:30	15℃
	4	🏠	12:30	15℃
	5	🏠	17:30	22℃
Weekend	6	🌙	22:00	15℃
	1	⚙️	8:00	22℃
2	🌙	23:00	15℃	

Remark:

- The defaulted temperature of period3 and period4 is the same as period2. Please change it according to the request.
- When setting temperature is 00, this period is power off.

7. Advanced Setting

In the state of power-off, long press and hold ▼ then press Ⓞ into advanced setting mode. Then press M to set relative item.

Display Code	Function	Setting And Options	Factory Default
SVH	High limit temp. for internal sensor	5-99℃	35℃
SVL	Low limit temp. for internal sensor	5-99℃	5℃
ADJ	Temp.calibration	Check and calibrate the actual room temp.	0.5℃accuracy calibrate
FRE	Frost-protection	00 : Close 01 : Open	00
PON	Power memory	00 : Off 01 : On	00
DFI	Precision for room temp.	0.5-3℃	1℃
Opt	Linkage terminal output direction	00:Set temp>Room temp, relay close 01:Set temp<Room temp, relay close	00: Positive output
FAC	WIFI setting	10 or 32: Wifi mode open 08: just display 00: factory reset	08

For Opt:

When the thermostat connect with gas boiler, the terminal short circuit is extinguished, the open circuit is ignition. Then Turn to the reverse output '01'.

When the Opt is adjusted to 00, thermostat can also be used in the water floor heating system, the water temperature is too low will prohibit the output (relay output 3A/200W), this function only suits for wifi linkage function thermostat.

DFI:

Explanation:
For example, If Room temp is 22℃, Hysteresis'DFI'=1.
when room temp rise to 23℃, the relay will stop outputting;
when room temp down to 21℃, the relay will output again and start heating.

DFI is hysteresis for room temp, factory set is 1, if 1 is too big for you, it can be adjusted to 0.5.

IX. Phone Port Operation Instruction

1. Install APP on phone

For iOS system: Login in App Store, search "Beok Home", you can download it on your iPhone.

Or scan below code to download:

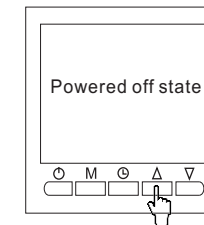


For Android System: Login in Google Play, search "Beok Home", you can download it on your phone.

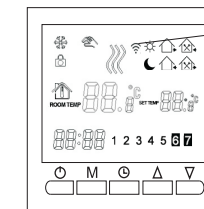
Or scan below code to download:



2. Connection Thermostat with Phone Thermostat Setting



In the power off state, long press the up button for 10 seconds



Twinkling Quickly and Frequently: Connection can start

Twinkling slowly: Off Line

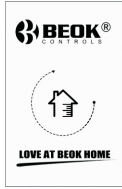
Twinkling Stops: Successful Connection

At this time, wifi symbol will be twinkling quickly and frequently. It means, you can connect thermostat with phone now.

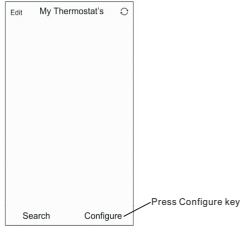
When wifi symbol stop twinkling, it means thermostat is successfully connected with phone.

Connection with Phone

Open Beok Home APP on your phone, you can see APP welcome page



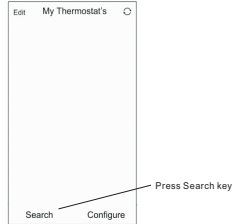
When the thermostat Wifi Symbol twinkling fast, you can start the configure on your phone.



Enter your wifi name and password, then start connection at below. When connection success, it will appear "Connection Success".



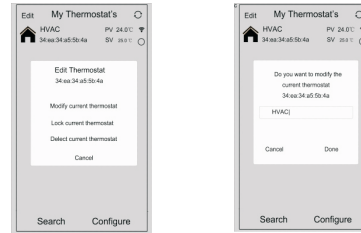
After connection success, you need press "Search" key.



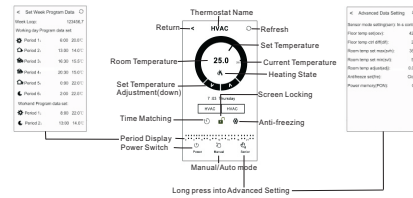
Then it will appear your wifi thermostat HVAC. HVAC is the factory setting name, when you have more than 2 thermostats, you can change it to any name you want.



- Long press HVAC for 5 seconds, it will appear Edit Thermostat page.
- Press Modify Current Thermostat.
- You can change HVAC to room 1, Bedroom Bath room, or anything you like.



APP Interface on the Phone



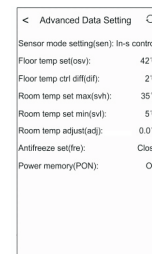
Thermostat Setting through Phone Operation

- Clock :** You can press Time Matching switch to match your phone clock with thermostat clock.
- Children lock (screen locking) :** Press to lock the thermostat.
- Anti-Freezing:** Press thermostat will show on the screen, it means Anti-freezing function open.
- Temperature setting:** You can directly drag the pointer on Temperature Setting Dial to set temperature. Or press and to set temperature step.
- Period setting:** Long press Period Display then you will go into the Period Setting mode:



Touch work loop: you can choose the week program mode: 5+2/ 6+1 /7. Touch each time value: you can set the time of the period. Touch each temperature: you can set the temperature of the period. Notice: When you choose the program mode to 7, Weekend program data set will no appear.

- Advanced Setting:** Long Press Senior you will go into Advanced setting mode:



Display Code	Function	Setting And Options	Factory Default
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SVL	Low limit temp. for internal sensor	5-99°C	5°C
ADJ	Temp.calibration	Check and calibrate the actual room temp.	0.5°C accuracy calibrate
FRE	Frost-protection	00 : Close 01 : Open	00
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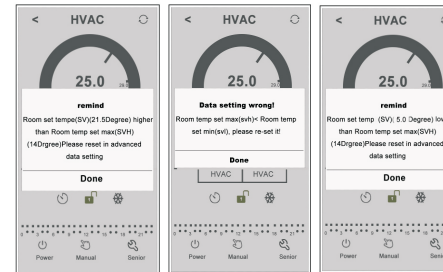
7. Switch of Manual mode and Auto mode: Press to switch manual mode or Auto mode.

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



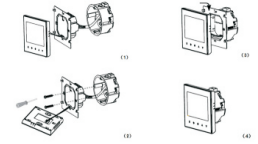
X.Attention to Phone WiFi Connection:

- After you press Configure, if connection fails:
 - Please confirm your mobile phone is set to WLAN mode, and ensure its (mobile data)3g/4g is turned off. Please connect to 2.4G wifi, not 5G wifi.
 - Please add your wifi router name, we recommend it does not include spaces or Chinese symbol.
 - Please check your wifi router password. We recommend not over 32 characters, no spaces, no blank password, no special symbols except letters and numbers.
 - Please check module is successfully reset . In power-off state, press Down key firstly, then press Power key to enter Advanced Setting. Find FAC mode, to change FAC to 10 or 32, then turn thermostat off.....
- If it displays the following reminder, please go to Advanced Setting to reset corresponding setting.



XI. Installation Instruction

This product is suitable for standard 80*80mm wall box and 60 mm european round box.



- Connect the line of power and valve into the terminals. Fix the wall plate into the wall box by a screwdriver.
- Connect the lines with the LCD board.
- Connect the LCD board into the wall plate.

NOTICE:
The installation height we suggest is 1.2~1.6m. The installation wire should be 1.5-2.5mm2

XII. 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:

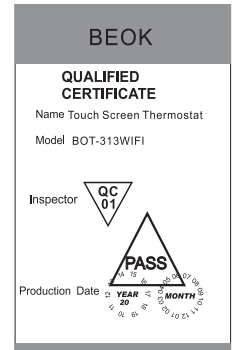
Model	BOT-313WIFI-BL	BOT-313WIFI-WH
Thermostat	✓	✓
User Manual	✓	✓
Screws	✓	✓
Dryer		
External Sensor		

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.



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.

