

BEOK TDS21 Wi-Fi Thermostat



BEOK TDS21 Wi-Fi Thermostat User Manual

[Home](#) » [BEOK](#) » BEOK TDS21 Wi-Fi Thermostat User Manual 

Contents

- 1 BEOK TDS21 Wi-Fi Thermostat
- 2 Product Summary
- 3 Technical Parameter:
- 4 Main Button Instruction
- 5 User Interface Explanation
- 6 Thermostat Operation Instruction
- 7 Advanced Setting
- 8 Phone Port Operation Instruction
- 9 APP Interface on the Phone
- 10 Thermostat Setting through Phone Operation
- 11 Attention to Phone WiFi Connection:
- 12 Installation Instruction
- 13 ATT
- 14 Documents / Resources
 - 14.1 References
- 15 Related Posts



BEOK TDS21 Wi-Fi Thermostat






Product Summary

Book WiFi touch screen thermostat can be controlled by phone. It is applied to temperature control of the industrial, commercial, and domestic rooms, and the start of control heating appliances, especially heating systems. It can be controlled by phone. Phone systems are IOS and Andriod systems are optional.

Technical Parameter:

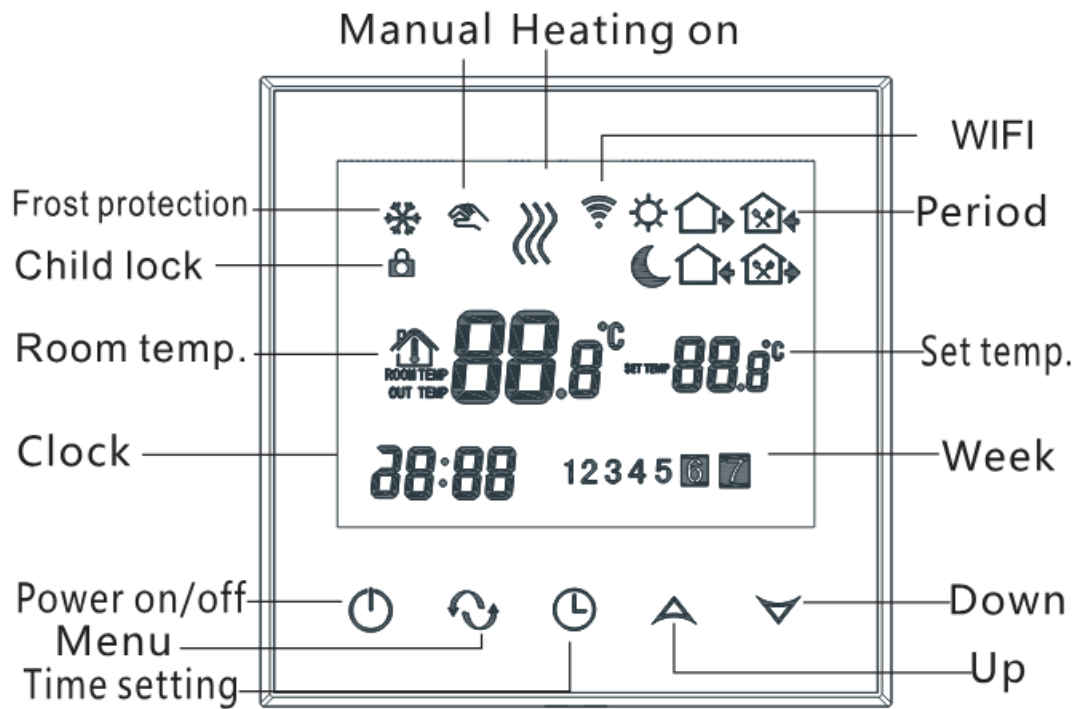
Working voltage	200~240V _{ac}
Current load	16A for electrical floor heating 3A for water floor heating
Temperature control accuracy	0.5 degree
Setting temperature range	5~60°C
Limiting temperature range	5~99°C
Consumption	<0.15W
Temperature sensor	NTC

Main Button Instruction

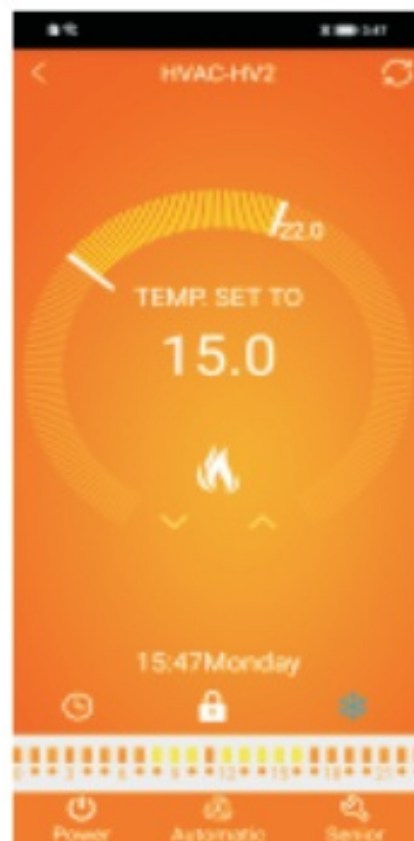
-  ON/OFF Switch;
-  Mode Button: Switch between manual mode and program mode
- Long press to enter the period setting.
-  Time set: Hour, minute, and week setting.
- **Up button:** To increase temperature.

- **Down button:** To reduce temperature.

User Interface Explanation



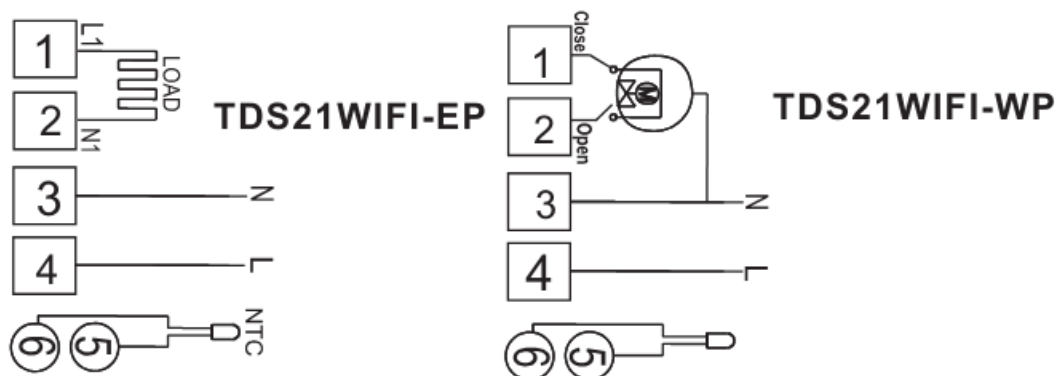
User Interface Explanation (Phone Port)



Model Spec

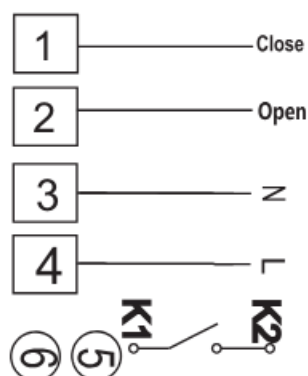
Model	Current Loading	External Sensor	Week Program	Controlled Objects
WIFI-EP	16A	✓	✓	For electric heating appliances
WIFI-WP	3A		✓	For water heating appliances
WIFI-WPB	3A		✓	for gas boiler

Wiring Diagram



TDS21WIFI-WPB

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

Thermostat Operation Instruction






1. Setting Power on/off Press  to turn on/off the power.

Setting Temperature




Press  to set the temperature.

1. Setting the Clock Press  to set minute, hour, and week. Press  for adjusting.












Setting the Manual Mode.









- Manual mode means non-programmable mode.
- Press  then  will display on 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 , a will display.
- Long press again,  and the child lock will disappear.

Setting the Programmable Mode.




- Press and hold  into programmable mode. LOOP and 12345 will be displayed.
- Press   AV to select the control way: 5+2 6+1 or 7 days programmable.
- 12345 display in the position of the week means 5+2;
- 123456 display in the position of the week means 6+1;
- 1234567 display in the position of the week means 7 days programmable.
- Press   to select the periods.
- Press  AV to change the temperature;
- Press   to do time adjustments.
- Press  AV to change the time;
- Press  again to select the weekend's temp.
- Press  to switch operation between manual mode and programmable mode.

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

Remark:

The defaulted temperature of period 3 and period 4 is the same as period 2. Please change it according to the request.

Advanced Setting

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

Display Code	Function	Setting And Options	Factory Default
SEN	Sensor mode	0:Internal sensor 1:Floor sensor 2:Both internal sensor and floor sensor	0
OSV	Set temp. range for floor sensor	5-99℃	42℃
DIF	Precision for floor temp.	1-9℃	2℃
SVH	High limit temp. for internal sensor	5-99℃	35℃
SVL	Low limit temp. for internal sensor	5-99℃	5℃
ADJ	Measure temp.	Check and calibrate the actual room temp.	0.5℃accuracy calibrate
FRE	Frost-protection	00 : Off 01 : On	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	Factory setting	08 : Just display 00 : Factory reset	08

For Opt:

When the thermostat connects to the 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, the thermostat can also be used in the water floor heating system, If 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 the Room temp is 22℃, Hysteresis'DFI'=1. when room temp rises 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, and if 1 is too big for you, it can be adjusted to 0.5.

Phone Port Operation Instruction

Install APP on phone For iOS system:

Login to the App Store, and search " Beok Home", you can download it on your iPhone. Or scan the below code to download:

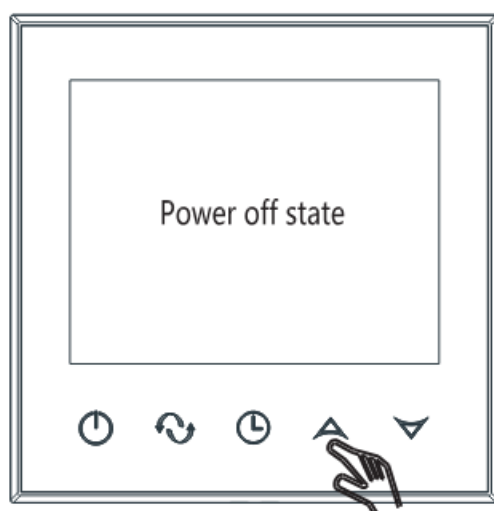


For Android System: Login to Google Play, and search “Beek Home”, you can download it on your phone. Or scan the below code to download:

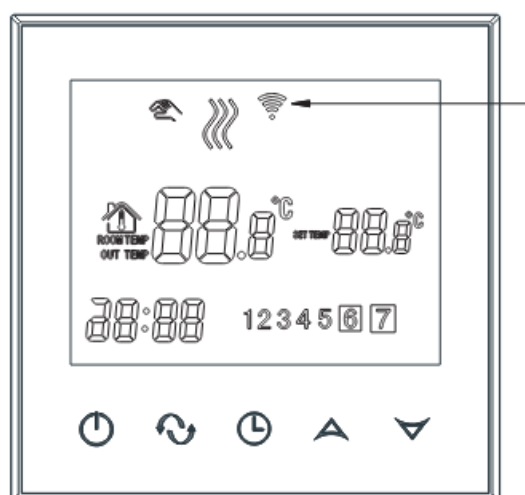


Connection Thermostat with Phone Thermostat Setting

Thermostat Setting



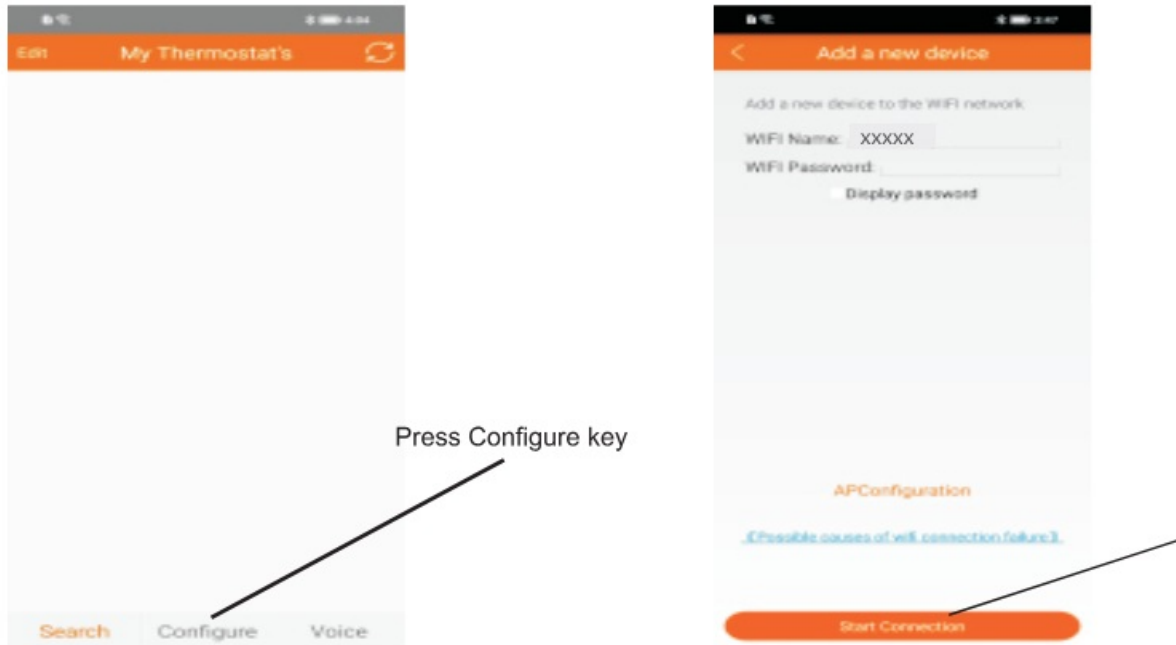
- Press up “” Hold on for 10 seconds



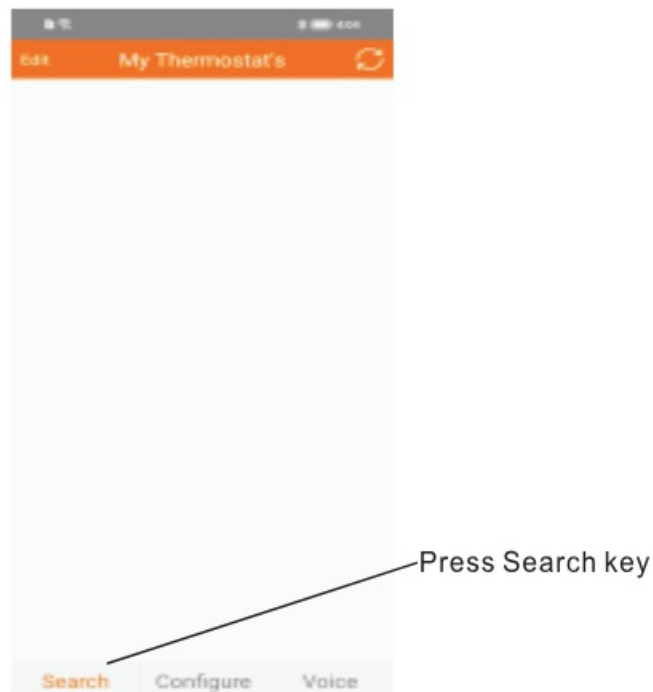
During the configuration process, the WIFI icon flashes briefly to start the configuration network Valid for 2 minutes
At this time, the wifi symbol will be twinkling quickly and frequently. It means you can connect the thermostat to your phone now. When the Wi-Fi symbol stops twinkling, it means the thermostat is successfully connected to the phone.

Connection with Phone

Open the "Beok Home" APP on your phone, you can see the APP welcome page. Enter your wifi name and password, then start the connection below. When a connection is successful, it will appear as "Connection Success".



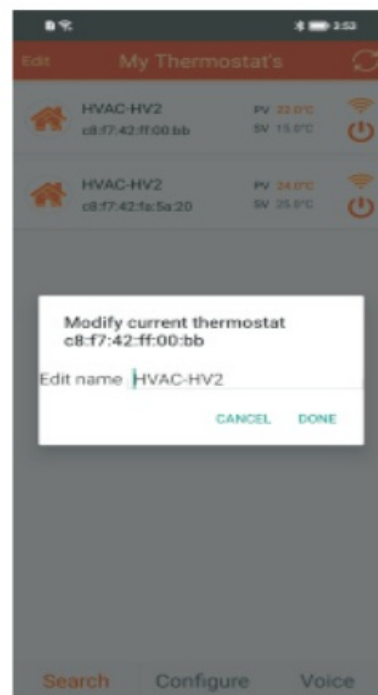
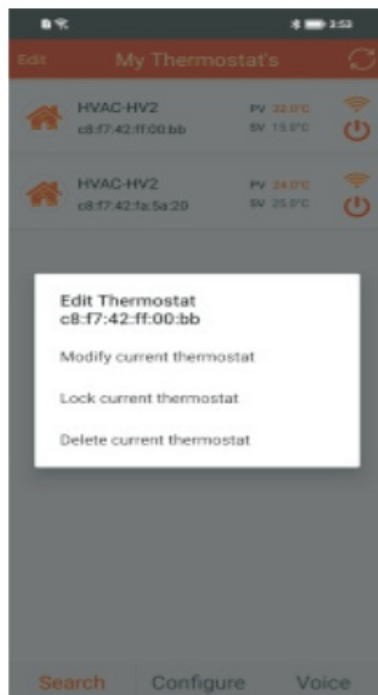
- After connection success, you need to press the "Search " key.



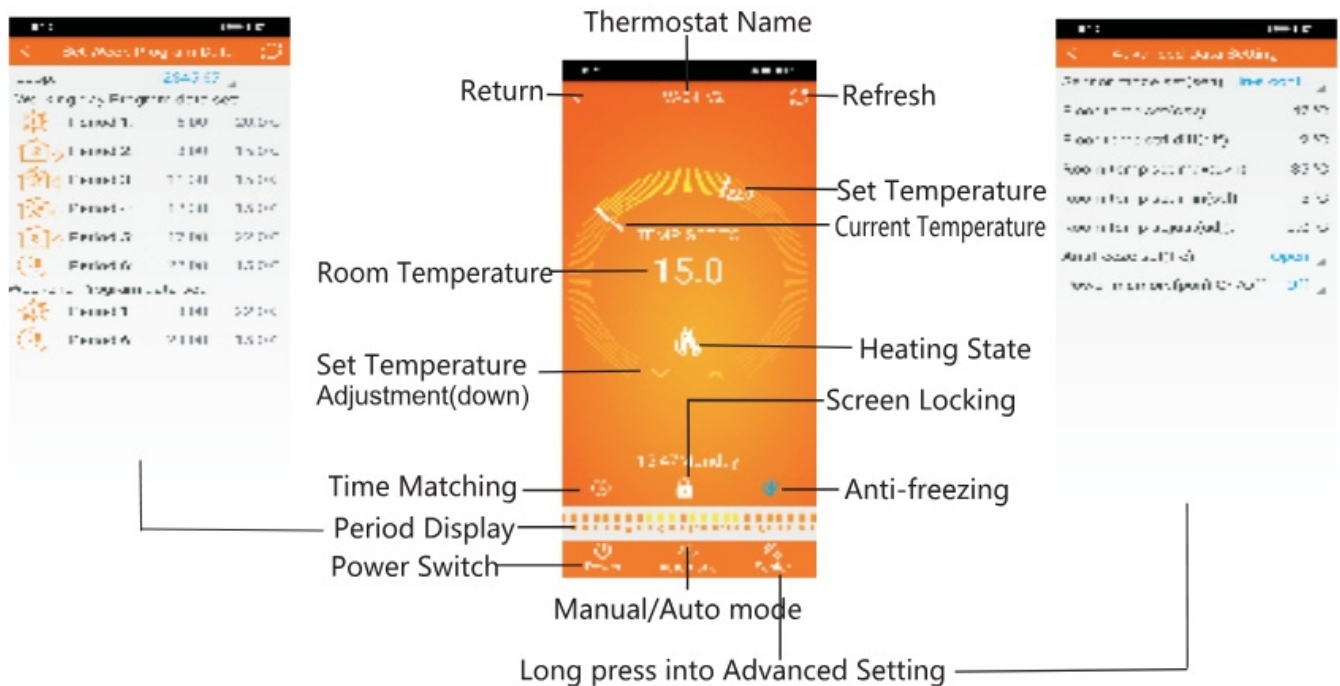
- Then it will appear your wifi thermostat HVAC. HVAC is the factory setting name, when you have more than 2 thermostats, you can change it to any name you want.









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



APP Interface on the Phone



Thermostat Setting through Phone Operation

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

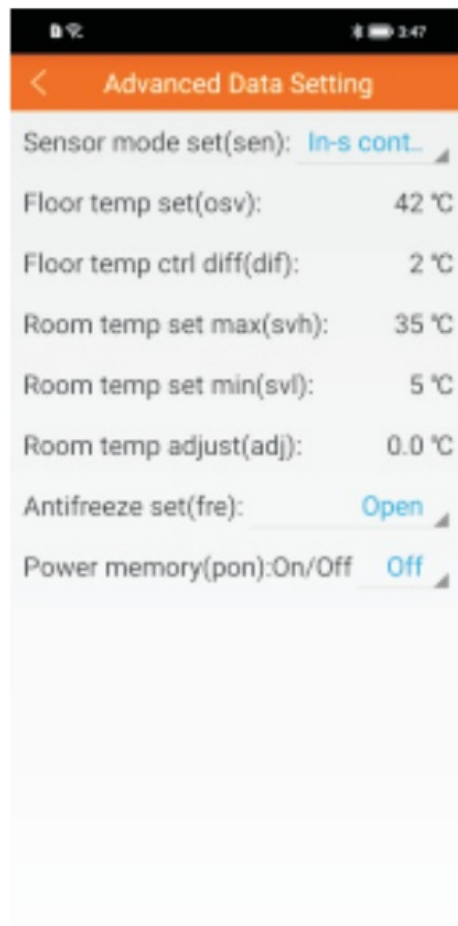


1. Touch work loop: you can choose the week program mode: 5+2/6+1/7. Touch each time value: you can set the time of the period. Touch each temperature: you can set the temperature of the period.

Notice: When you choose the program mode to 7, the Weekend program data set will not appear.




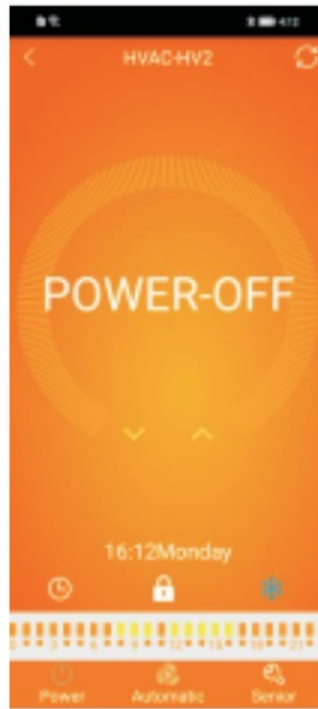
6. Advanced Setting: Long Press Senior ^{Senior}, you will go into Advanced Senior setting mode:



Display Code	Function	Setting And Options	Factory Default
SEN	Sensor mode	In-s control Out-s control In-s control., Out-s limit	In-s control
OSV	Floor set temp. range	5-99℃	42℃
DIF	Floor temp. ctrl diff	1-9℃	2℃
SVH	Room temp set max	5-99℃	35℃
SVL	Room temp set min	5-99℃	5℃
ADJ	Room temp. adjust	-5-5℃	0℃
FRE	Anti-frozen	close/open	Close
PON	Power memory	off/on	On

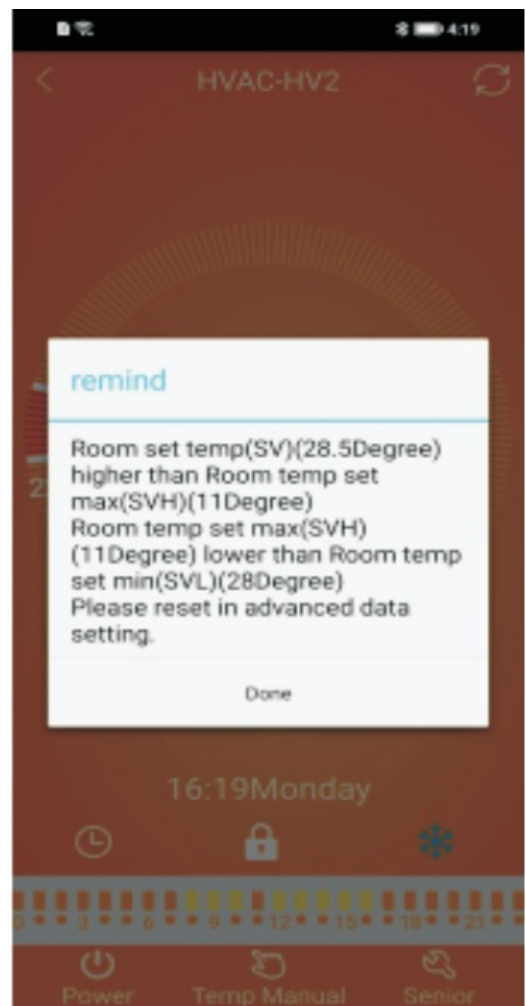
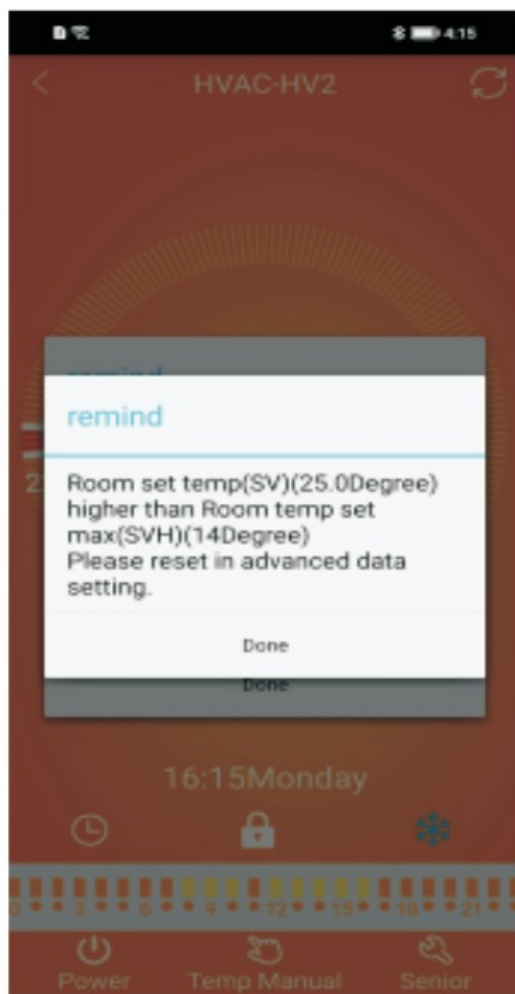
7. Switch of Manual mode and Auto mode: Press manua, to switch manual mode or Auto mode.

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



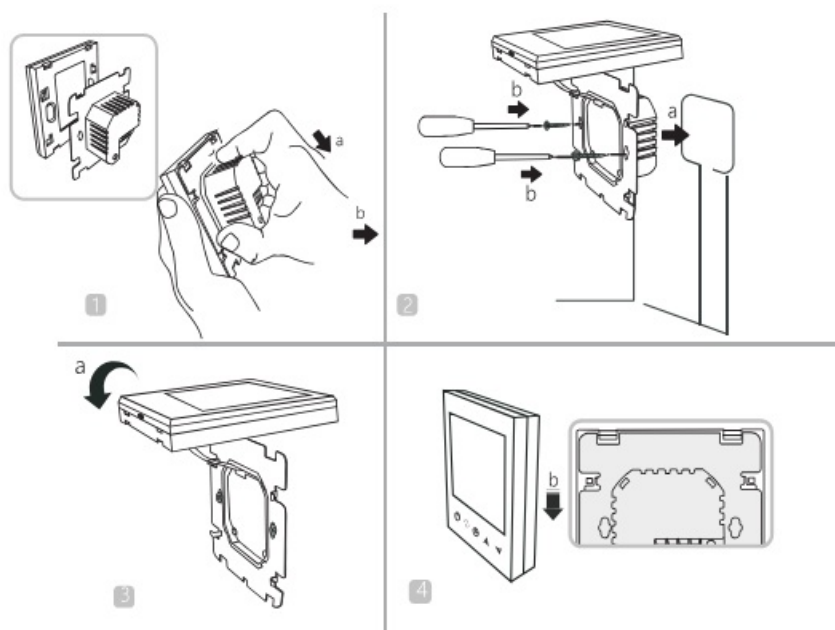
Attention to Phone WiFi Connection:

1. After you press Configure, if the connection fails:
 - a. 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.
 - b. Please add your wifi router name, we recommend it does not include spaces or Chinese symbols.
 - c. Please check your wifi router password. We recommend not over 32 characters, no spaces, no blank passwords, and no special symbols except letters and numbers.
 - d. AP config: AP thermostat hotspot configuration (operate FAC=12 in advanced settings).
 - e. Please confirm wifi password is correctly filled. We recommend you check the password to be visible when it is input.
2. If it displays the following reminder, please go to Advanced Settings to reset the corresponding setting.



Installation Instruction

This product is suitable for standard 80*80mm wall boxes and 60 mm European round boxes.



1. Open the main control board as shown in the figure, press the power part of the thermostat, gently lift it, and separate it from the mounting board hook.
2. Connect the wires correctly according to the wiring diagram and secure the rear cover to the mounting plate with M4 screws

3. Connect the lower cover cable to the upper cover.
4. Insert the back into the four hooks of the mounting plate. Gently press down on the thermostat to lock the front housing and complete the installation

NOTICE: The installation wire should be 1.5-2.5mm².

ATT

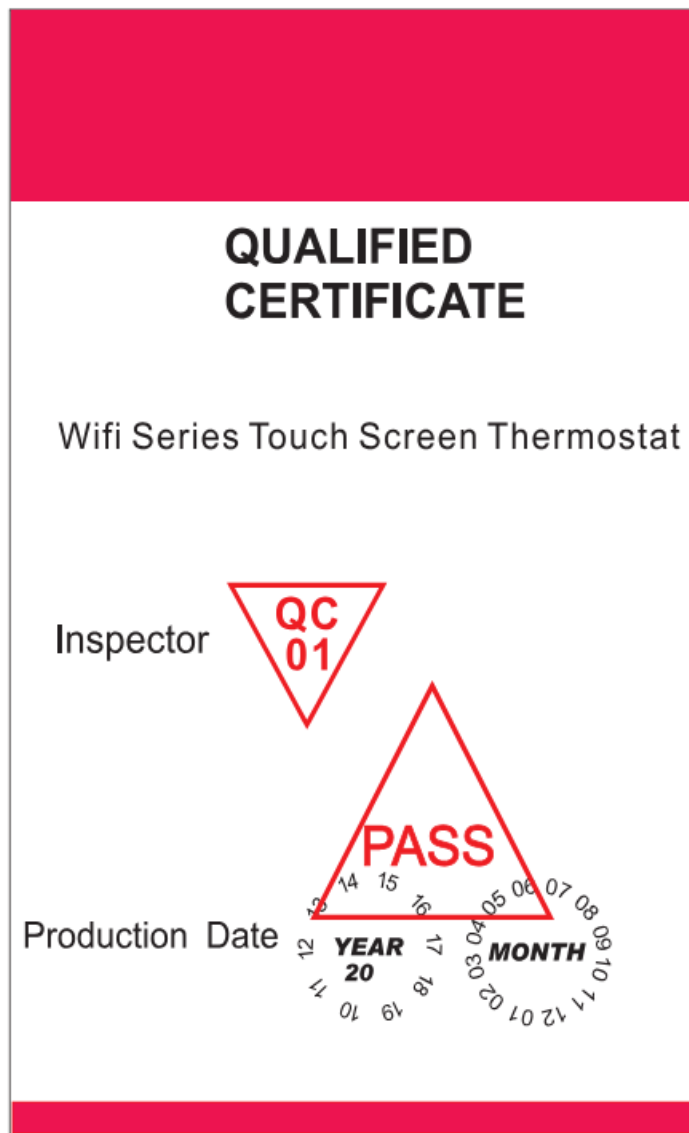
Thank you for buying this product! Please read this manual for complete instructions on installing and operating your thermostat. If you require further assistance, please feel free to contact us. In the box you will find:

In the box you will find:

Model	TDS21WIFI-EP	TDS21WIFI-WP	TDS21WIFI-WPB
Thermostat	✓	✓	✓
User Manual	✓	✓	✓
Screws	✓	✓	✓
External sensor	✓		

Our Service:


We offer a warranty of 24 months from the sales day. During the warranty, if it belongs to a quality issue, we will fix or replace it for you for free after testing it. If it is not a 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 hazards during maintenance, so please make sure it is operated by a professional technical worker.

Documents / Resources

	BEOK TDS21 Wi-Fi Thermostat [pdf] User Manual TDS21WIFI, TDS21WIFI-EP, TDS21WIFI-WP, TDS21WIFI-WPB, TDS21 Wi-Fi Thermostat, TD S21, Wi-Fi Thermostat, Thermostat
---	--

References

- [User Manual](#)