W I F I R F S E R I E S

U S E R M A N U A L

EN

BOT-W306

Wi-Fi Series Boiler Thermostat

Series boiler thermostats with a big LCD digital display, easy to operate and complete in function. They control boilers, motorized ball valves, motorized valves, electric valves and solenoid valves, and are available in wired and wireless versions.

M O D E L S BOT-W306-WIFI



Thermostat

Scann den QR-Code, um die Anleitung auf Deutsch abzurufen （de）
Scansiona il codice per ottenere le istruzioni in italiano （it）
Escanea el código QR para obtener el manual en español. （es）
Scannez le code QR pour télécharger le manuel en français. （fr）
Отсканируйте QR-код, чтобы получить инструкцию по эксплуатации.（ru）

01 Product Overview

WHAT YOU HAVE

Series boiler thermostats are equipped with a big-screen LCD digital display and are developed according to the market's requirements. They are easy to operate and complete in function, and can be used to control boilers, motorized ball valves, motorized valves, electric valves, solenoid valves, etc. The series includes **wired** and **wireless** thermostats.

Key features

Programmable periods
6 time periods every day; weekly or daily programming

Wi-Fi app control
Smart Life / Tuya Smart app pairing (WIFI models)

Anti-freeze
Optional frost protection (**FrE**)

Power-off memory
Remembers status after a power loss (**PON**)

Button lock
Three lock modes via **LOC** (00 / 01 / 02)

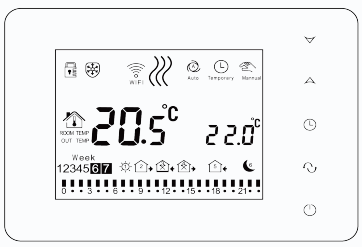
Model specification

MODEL	PROGRAM FUNCTION	WIFI FUNCTION	TERMINAL RECEIVER
BOT-W306	✓		
BOT-W306-WIFI	✓	✓	
BOT-X306	✓		✓
BOT-X306-WIFI	✓	✓	✓

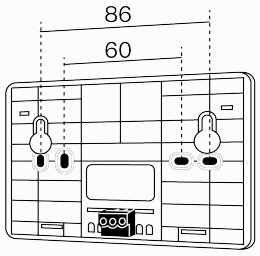
In the box you will find

MODEL	BOT-W306	BOT-W306-WIFI	BOT-X306	BOT-X306-WIFI
Thermostat	✓	✓	✓	✓
User Manual	✓	✓	✓	✓
Screws	✓	✓	✓	✓
Receiver			✓	✓

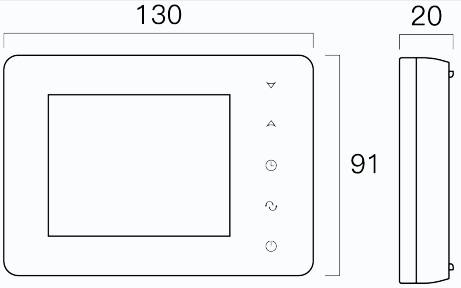
Package contents & dimensions (Unit: mm)



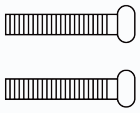
Thermostat



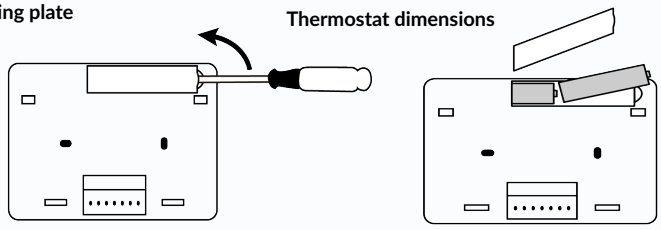
Wall mounting plate



Thermostat dimensions



Screws ×2



Batteries can be installed on the back.

02 Technical Parameters

TECHNICAL DATA

Working Voltage	2×1.5V Alkaline batteries
Current Load	3A
Temperature Differential	Default ± 0.5°C, adjustment range: 0.5–3°C
Temperature Calibration	-9.5 ~ 9.5°C, step 0.5°C
Setting Temperature Range	5–99°C
Limiting Temperature Range	5–99°C
Consumption	<0.3W
Temperature Sensor	NTC

> ⚠ **VERIFY BEFORE INSTALLATION**
>
> Always confirm the working voltage and load against the rating label on your unit before installation, and never exceed the rated load.

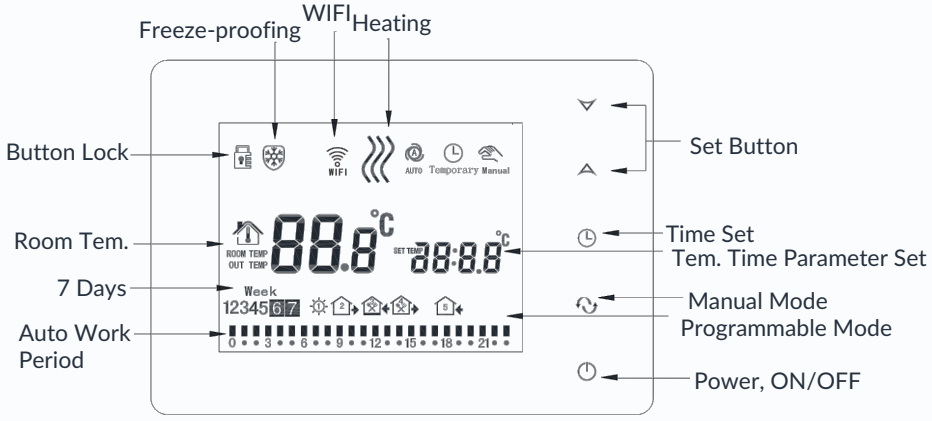
03 Main Button Instruction

CONTROLS

BUTTON	ICON	WHAT IT DOES
Power		ON / OFF switch.
Mode (M)		Switch between **Manual Mode**, **Auto Period Control Mode** and **Temporary Manual Mode**. Long press to enter period setting.
Time		Hour, minute and week setting.
Up		Increase temperature. Pressed together with / it sets the programmable function.
Down		Reduce temperature. Pressed together with / it sets the programmable function.
Button Lock		Set **LOC** in advanced setting to choose the lock mode (00 / 01 / 02, see section 06). Long press the key for 5 seconds to lock or unlock.

04 Display & Icons

USER INTERFACE



Status icons

STATUS	ICON	WHAT IT MEANS
Manual Control	Manual	Manual mode is active.
Temporary Manual Control	Temporary Manual	Temporary manual mode during a program period; returns to the program at the next period.
Auto Control	AUTO	Automatic period (program) mode.
Heating		The heating output is on.
Wi-Fi	WIFI	Flashes before connection, stays on once connected. Flashes for 2 min then disappears if offline for a long time; flashes again when the connection is lost.
Anti-freeze		Anti-freeze protection is enabled (**FrE** = 01).
Button lock		Buttons are locked (see **LOC**, section 06).

Period icons (1–6)

- **1 First Period** — wake up in the morning.
- **2 Second Period** — out of home in the morning.
- **3 Third Period** — go home in the afternoon.
- **4 Fourth Period** — out of home in the afternoon.
- **5 Fifth Period** — go home in the evening.
- **6 Sixth Period** — sleep in the evening.

05 Operation & Programming

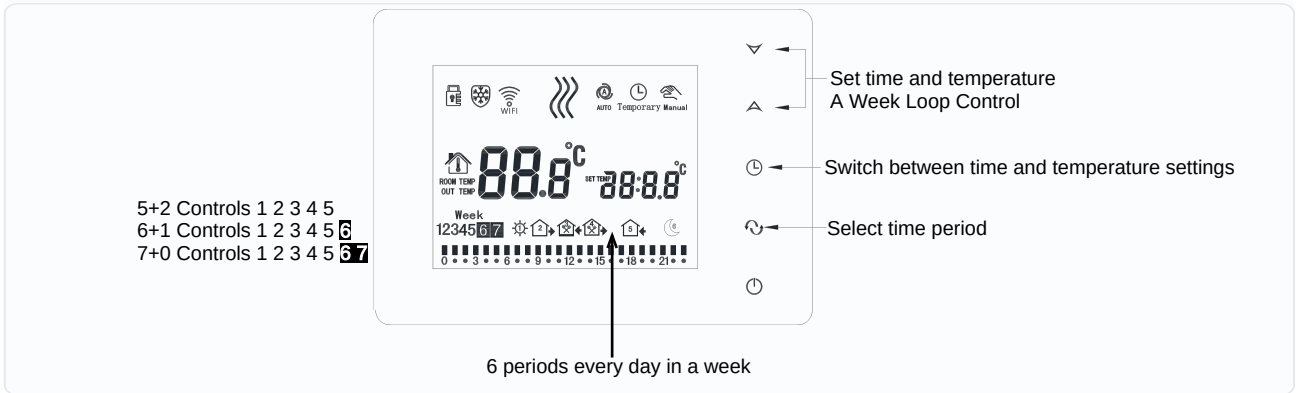
BASIC OPERATION

Time setting

Press the key — the time area displays minute, hour and week. Press or to modify the time.

> **PROGRAMMING MODES**
>
> 1) After the thermostat is connected to the network, programming can also be done on the APP interface, which is simpler and clearer. 2) Both **weekly programming** (5+2 / 6+1 / 7) and **daily programming** (6 time periods every day, each day programmed independently) are supported. 3) The tutorial below is the weekly programming tutorial; daily programming is operated in the same way.

Programmable period temperature setting



First step, long press the key: the screen displays **LooP** (Cycling Control) and shows **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); press **three times** — **1234567 all twinkle** (Monday to Sunday), which means the **daily programming mode**: each day can be programmed independently.

Second step, set the time and temperature in every period. When the screen displays **12345**, **123456** or **1234567**, press **M** to enter temperature setting, and press the key to enter time setting. Modify and save through / .

Att: when auto control is active and the user needs to reset the temperature, it can be changed to temporary manual control: while the thermostat is in auto-control (program) mode, press or to modify the temperature — the thermostat is now in the temporary manual control state. When the next period comes, the thermostat automatically returns to the quiescent period program control mode.

Programmable period time setting

Press the key for 5 seconds, then press the key to change to the time options; the time in the period can then be modified.

Default program data

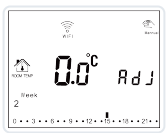
PERIOD		DEFAULT TIME	DEFAULT TEMPERATURE
Every day	1	06:00	20°C
	2	08:00	15°C
	3	11:30	15°C
	4	12:30	15°C
	5	17:30	22°C
	6	22:00	15°C

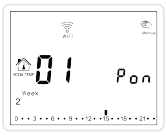
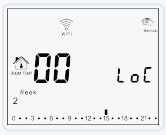
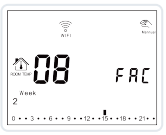
Att: 1. The default temperature of period 3 and 4 is the same as period 2 — change this default temperature if needed. 2. Setting temperature **00** means this period is power off. 3. The end time of the last period of each day cannot exceed **23:59**.

06 Advanced Setting

PARAMETERS

In the state of power-off, long press the key and then press the key to enter the advanced setting mode. Then press the key to choose the next parameter to change.

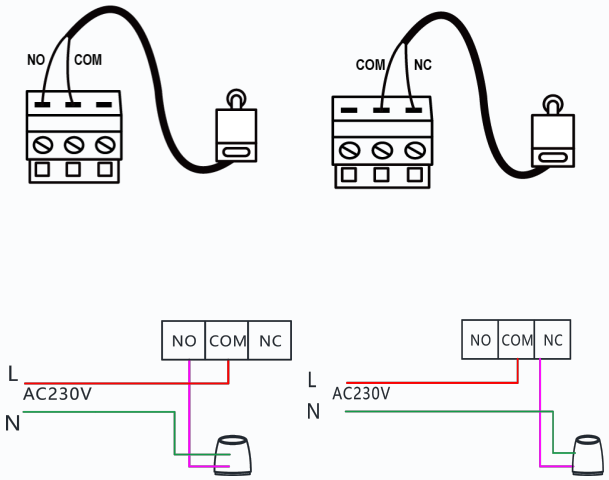
DISPLAY CODE	SCREEN DISPLAY	FUNCTION	SETTING AND OPTIONS	FACTORY DEFAULT
dIF		Limit temp. return difference	0.5–3°C	0.5°C
SVH		Set temp. upper limit	5–99°C	35°C
SVL		Set temp. low limit	5–99°C	5°C
AdJ		Measure temp.	-9.5-9.5°C	0°C accuracy correction
FrE		Anti-frozen	00: close anti-frozen 01: open anti-frozen	00

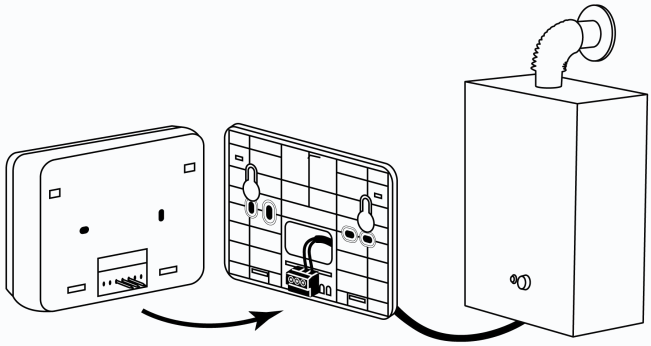
P0N		Power off memory	00: OFF · 01: ON	01
L0C		Button lock function	**00**: locked; long press to unlock — stays unlocked after unlocking. **01**: all buttons locked except the ⏻ key; automatically locks again 45 minutes after unlocking. **02**: all buttons locked; automatically locks again 45 minutes after unlocking.	00
FAC		Factory setting	08: just display 00: return to factory setting	08

07 Wiring & Installation

QUALIFIED ELECTRICIAN ONLY

Wiring diagram





TERMINAL	PURPOSE
NC	Normally Closed interface (boiler or loading).
COM	Common interface (boiler or external power input).
NO	Normally Open interface (boiler or loading).

⚠ **WIRING NOTES**

Installation wires should be changed to 1.5–2.5 mm² hard line. Please connect the wires strictly according to the connection diagram. Don't let water, mud or other debris get into the thermostat, otherwise it will damage the thermostat.

08 App Setup & Operation

Step 1 — install the APP on the phone

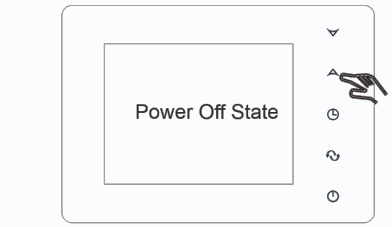
For iOS: log in to the **App Store** and search "**Smart Life**" or "**Tuya Smart**" to download it on your iPhone. For Android: log in to **Google Play** and search "**Smart Life**" or "**Tuya Smart**" to download it on your phone. Or scan the code below to download:

Download QR code

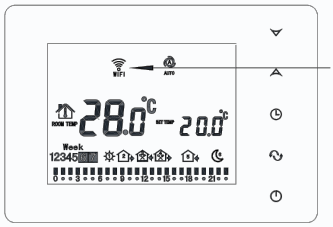
Download on the App Store

GET IT ON Google Play

Step 2 — steps for connecting to Wi-Fi



1 Press up " " Hold on for 10 seconds

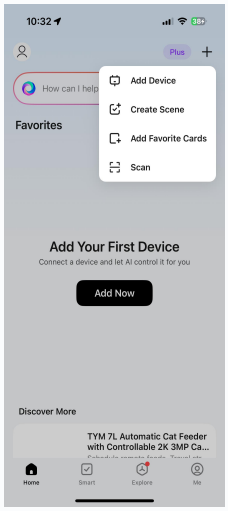


1 On the thermostat, press and hold for 10 seconds under the power-off state. During the configuration process the Wi-Fi icon flashes to start the configuration network (valid for 2 minutes). At this time the Wi-Fi symbol twinkles quickly and frequently — the thermostat can now be connected with the phone. When the Wi-Fi symbol stops twinkling, the thermostat is successfully connected with the phone.

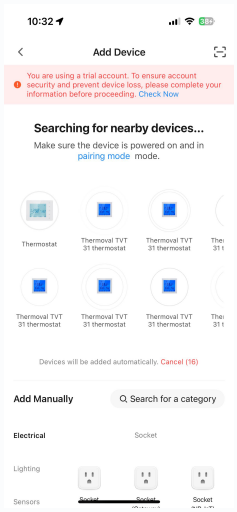
2 Open the **Smart Life** or **Tuya Smart** APP on your phone and log in or sign up. When the thermostat Wi-Fi symbol is twinkling fast, you can start to add the device on your phone.

3 Tap the menu and select **"Add Device"** — the APP will automatically search for the thermostat. The APP finds the device through Bluetooth and connects it to the thermostat. Click **ADD**.

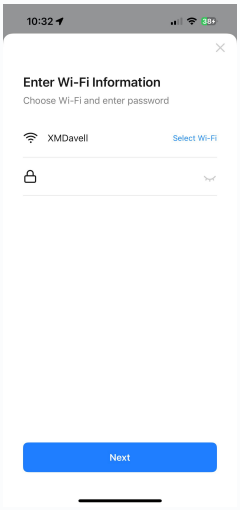
4 Enter your Wi-Fi information and password. If your phone's Wi-Fi connection is on the 5GHz, please switch to the 2.4GHz. Press **Next** and wait for the connection to finish.



2 Select **"Add Device"**



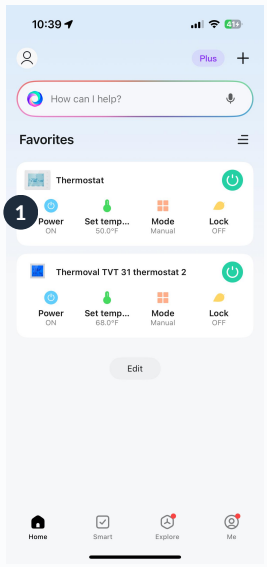
3 Click to **ADD.**

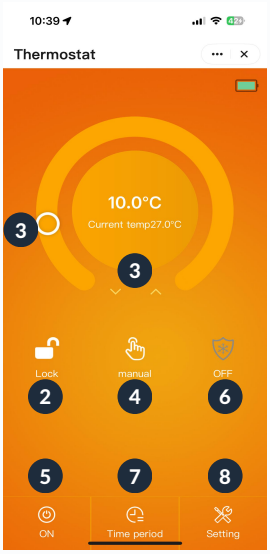


4 Enter your Wi-Fi

Thermostat operation through the phone

1. **Home screen shortcut.** The overall device list of the mobile APP has a shortcut key for turning the thermostat on / off. Open the thermostat from the home screen of the APP.
2. **Button lock (screen locking).** Press the lock icon to lock the thermostat.
3. **Temperature setting.** Directly drag the pointer on the temperature setting dial to set the temperature, or press **+** and **−** to set it step by step.
4. **Switch of Manual mode and Auto mode.** Press the **manual** key to switch between manual mode and auto mode.
5. **Power off / on.** Press the **Power** key to turn the thermostat on or off.
6. **Antifreeze off / on.**





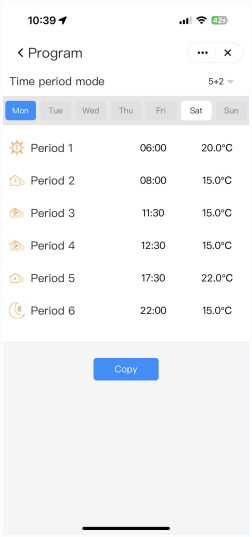
7 Period setting on the APP

Press the **Time period** key — you will go into the period setting mode.

Touch the working day setting: you can choose the week program mode **5+2 / 6+1 / 7+0 / 7**.

Day programming: each day can be programmed independently with 6 time periods per day.

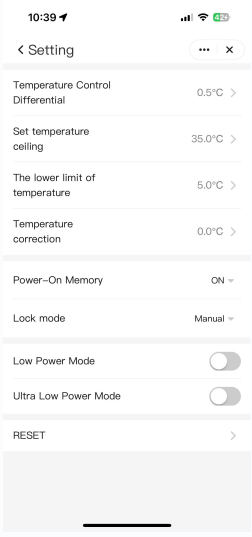
Notice: when you choose program mode 7, the rest-day setting data set will not appear.



8 Advanced setting on the APP

Press **Advanced Setting** — you will go into the advanced setting mode (set-temperature ceiling, lower limit, temperature correction, temperature control differential, lock mode, power-on memory, reset, and more).

> ⚠ **FUNCTIONS AVAILABLE ONLY ON THE APP**
>
> These functions are not available on the thermostat itself:
> **1. Low Power Mode** — the backlight turns off.
> **2. Ultra Low Power Mode** — after this function is enabled, Wi-Fi can only be re-activated by operating on the thermostat itself. **Please note:** if the thermostat is installed far away from your home, try **NOT** to use this function after Wi-Fi is connected.



09 Attention to Phone Wi-Fi Connection

TROUBLESHOOTING

1. After you press Configure, if the 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 Wi-Fi, not 5G Wi-Fi.
- Please check your Wi-Fi router name — we recommend that it does not include spaces or Chinese symbols.
- Please check your Wi-Fi router password — we recommend not over 32 characters, no spaces, no blank password, and no special symbols except letters and numbers.
- AP config: AP thermostat hotspot configuration (operate **FAC**=12 in advanced settings).
- Please confirm the Wi-Fi password is correctly filled in. We recommend checking that the password is visible when it is input.

2. If a reminder is displayed, please go to Advanced Setting to reset the corresponding setting, or restore the factory setting ("RESET").

10 Service & Warranty

AFTER-SALES

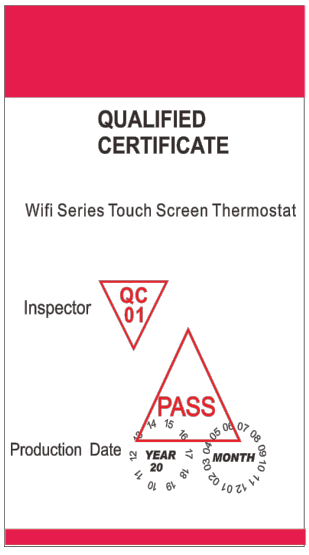
Thank you for buying this product! Please read this manual for complete instructions on installing and operating your thermostat. If you require further assistance, please feel free to contact us.

OUR SERVICE

The product comes with a **2-year warranty**. Should you encounter any operational or quality issues, please contact our after-sales service via the platform.
Email: after-sales@beok-controls.com
Web: https://www.beok-controls.com/about-us

Warning:

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













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