BAC-7000 Smart Knob Thermostat

WIFI Type

New heating thermostat with knob BAC-7000
Six characteristics on the design

*1.32 inch circular and 240*240 TFT shows your artistic taste.

*Superfine aluminum side knob lets your fingers feel delicate.

*Above 6H tempered glass keeps your screen away from scratches.

*Agile push button gives you an excellent experience.

*Seven colors ambient light increase color to your life.

*Variety brushed back panel options are suitable for different home styles.

ABOUT YOUR THERMOSTATS

The BAC-7000 range has been developed to control electric underfloor, water heating or water/ gas boiler systems. These units are designed for use in commercial, industrial, civil and domestic properties

MODEL DEFINITION

A: Two pipe; Control Fan Coil Unit and Two Wired Motorized Valve

E: Four pipe; Control Fan Coil Unit and Two Wired Heat Valve and Two Wired Cool Valve.

W : Wifi connection

In the box you will find

Thermostat	1pc	Screws	2pc
User Guide	1pc	Wall plate	1pc
QC Passed	1pc		

TECHNICAL DATA

Power Supply:95 ~240 VAC, 50~60Hz or 24V DC/AC, 50~60Hz
Please check the information laser printed on the back of the thermostat for the actual voltage.

Fan Relay Amps Resistance: 5A; Inductive: 3A
Valve Relay Amps Resistance: 3A; Inductive: 1A
Sensor: NTC3950, 10K
Set Temp. Range: 5 -35 ℃
Accuracy: ±0.5 ℃
Dispaly Temp. Range: 5 ~ 99℃
Ambient Temp.:0~45 ℃
Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
Storage Temp.:0~ 45℃   Timing Error: < 1%
Power Consumption: <1.5W
Shell Material: PC +ABS (Fireproof)
Installation Box: 86 * 86mm Square or European 60mm Round
BoxWire Terminals: Wire 2 X 1.5 mm² or 1 x2.5 mm²
Protection Class: IP20
Buttons: Capactive Touch Buttons

DIMENSION: (mm)
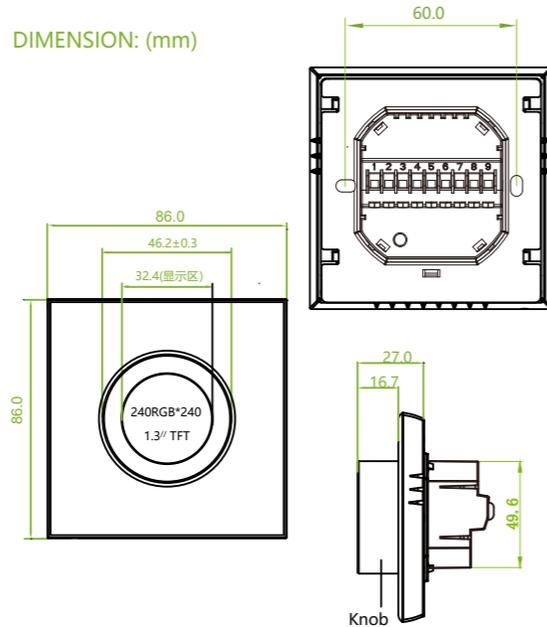
BEFORE WIRING AND INSTALLING

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the rathings given in the instructions and on the product to make sure the product is suitable for your application.
3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.

WIRING

Please check the information laser printed on the back of the thermostat for the actual voltage.

Two Pipe, On/off   Four Pipe, On/off
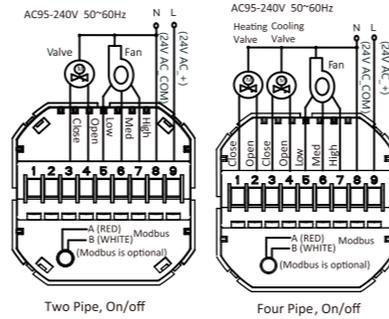
INSTALLATION

Your thermostat is suitable for istallation within a standard 86mm pattress box or European 60mm pattress box.

Step 1. Keep power off. See Fig 1.
Step 2. Remove the mounting plate by pushing the display assembly. See Fig 2.

Fig 1
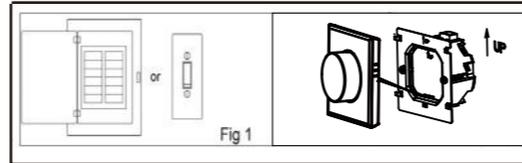
Step 3. Connect power supply, load into the appropriate terminals. (see "Wiring your thermostat" for details).
Step 4. Fix the mounting plate into the wall with screws inthe box(Fig 4).

Fig 3   Fig 4
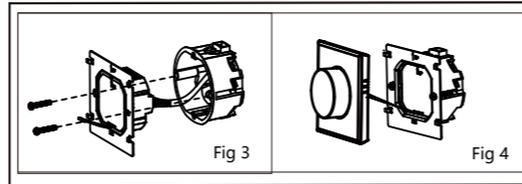
Step 5. Fix the thermostat body and the mounting plate by the lower button(Fig 5).
Step 6. Installation complete(Fig 6).

Fig 5   Fig 6

CAUTION

Electrical Shock or Equipment Damage Hazard. Can shock individuals orshort equipment circuitry.
Disconnect power supply before installation.
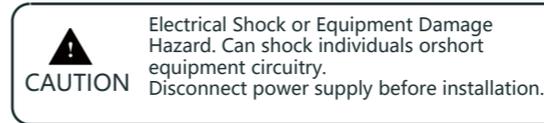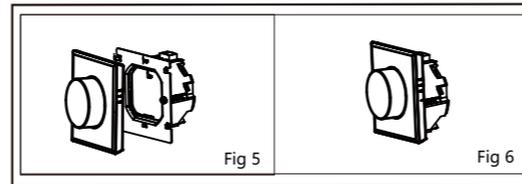
HOME SCREEN QUICK REFERENCE

Weather

System mode — Fan

Room Temp. — Outdoor Humidity

— Heating/Cooling on

Week — Mode

— WiFi

Clock
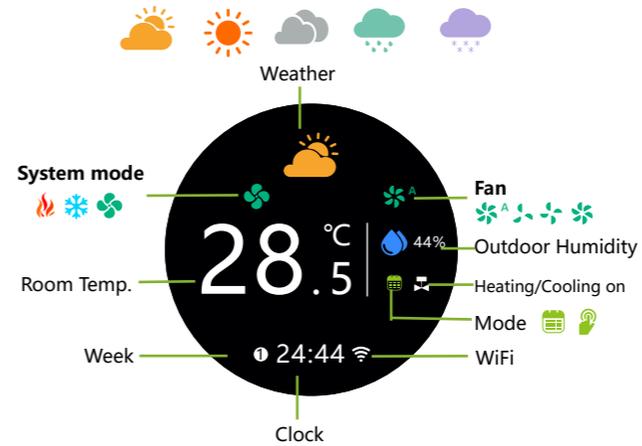
Note: The weather and humidity will be synchronized within 1 hour after the device is connected to the Internet for the first time, and the weather will be synchronized every hour thereafter.

Main control interface

Power — Set temp.

Clock — Mode

Brightness — System mode

WiFi — Fan speed

Tip: Press the screen to enter the Main control interface.

OPERATION

During Power On

1. Press the home screen to enter the control interface.
2. Rotate the control interface to select
3. Press the control interface to confirm
4. Long press the control interface to return the home screen

1. Power
   ON: The thermostat is controlling the heating device.
   OFF: The thermostat stops controlling the heating device.

2. Clock
   Clock setting, the wifi version will automatically synchronize the local time after networking.

3. Brightness
   Standby screen brightness setting. When it is set to 0, the screen will be off after 10s of no operation without displaying anything, and the screen will be woken up by rotating the knob.

4. WiFi
   ON: The thermostat is in the wifi distribution network state.
   OFF: The thermostat is not in the wifi distribution network state.

5. Fan speed
   Auto: After selecting Auto , the main screen displays the .
   Low: After selecting Low , the main screen displays the .
   Med: After selecting Med , the main screen displays the .
   High: After selecting High, the main screen displays the .

6. System mode
   Heating: After selecting Heating , the main screen displays the .
   Cooling: After selecting Cooling , the main screen displays the .
   Ventilation: After selecting Ventilation , the main screen displays the .
   In the mode of Ventilation, the valve is off but the fan runs.

7. Mode
   Manual Mode   Programming mode (Schedule mode.)

8. Set temp.
   Set temperature range 5~35℃

Set week program on your App

Default settings for program schedule

Time display	WEEKDAY (MONDAY—FRIDAY) (1 2 3 4 5 shows on screen)		WEEKEND (SATURDAY) (6 shows on screen)		WEEKEND (SUNDAY) (7 shows on screen)	
	TIME	TEMPERATURE	TIME	TEMPERATURE	TIME	TEMPERATURE
Period 1	06:00	20 ℃	06:00	20 ℃	06:00	20 ℃
Period 2	08:00	15 ℃	08:00	20 ℃	08:00	20 ℃
Period 3	11:30	15 ℃	11:30	20 ℃	11:30	20 ℃
Period 4	13:30	15 ℃	13:30	20 ℃	13:30	20 ℃
Period 5(1+2)	17:00	22 ℃	17:00	20 ℃	17:00	20 ℃
Period 6(3+4)	22:00	15 ℃	22:00	15 ℃	22:00	15 ℃

A separate schedule may be set for weekdays (Mon – Fri) and for weekends (Sat or Sun).

ABOUT WIFI

WI-FI CONNECTION

Before using your Wi-Fi thermostat for the first time,you must configure the Wi-Fi signal and settings through your smartphone or tablet ,This will allow communication between your connected devices

Step 1 Downlosd your APP   (Fig1-1)

Fig 1-1   Fig 1-2 IOS   Fig 1-3 Android

Search for "Smartlife" in Apple Store or Google Play or use a browser to scan the QR code above (Figure 1-2), and complete account registration and installation according to the guidance of the APP.

Step 2. Connect the thermostat

Method 1: Bluetooth network distribution (Fig 2.1-Fig 2.4), turn on the Bluetooth switch of the mobile phone and set the thermostat to the WiFi enabled state, see the following tutorial to complete the connection and settings.

Setting wifi to ON means the thermostat is in wifi pairing state.

The wifi icon blinks quickly

Fig2.1

Fig2.2

Fig2.3

Fig2.4

Method 2: Scan the QR code to configure the network guide (Fig 2.5-Fig 2.9) complete the connection and setup

Scan this QR code
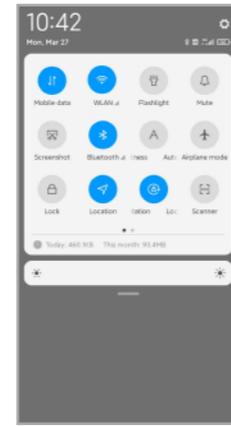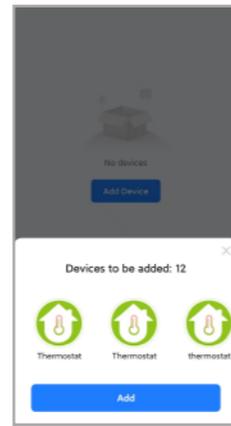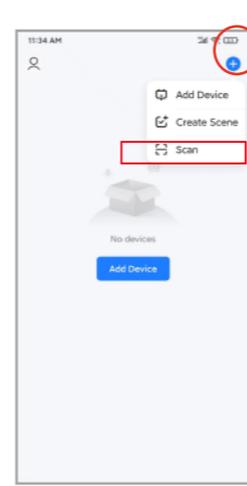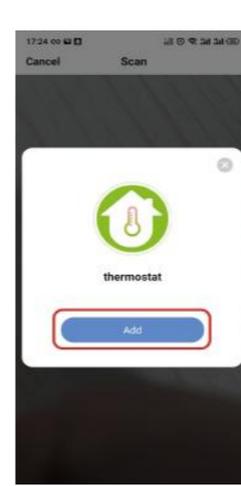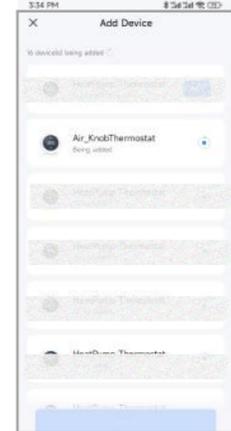
Method 3: Ordinary distribution network guidance (Fig. 2. 5.1-Fig. 2.9)
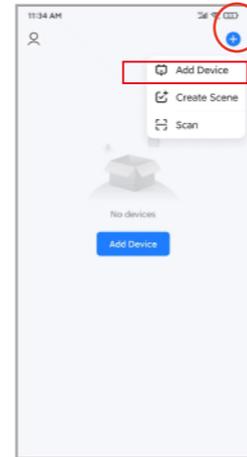
Fig2.5

Fig2.6

Fig2.5.1

Fig2.6.1

Fig2.7

Fig2.8
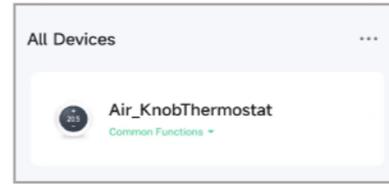
Fig2.9

APP operation interface description (heating thermostat))

Adjust temp.

Target temp.

Fan
Auto,Low,Med,High

System mode
Heating,Cooling,
Ventilation

Week program

Power

Setting

More settings
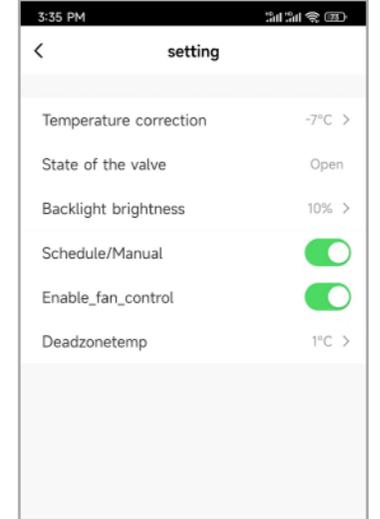
SIMPLE EXCEPTION HANDLING

No.	Phenomenons	Handling
1	Power is on but without display.	*Check if the terminals between LCD panel and Power Unit Box is loosen.
2	Without output but display works.	* Usea new LC panel or new Power Unit Box toreplace the old one.
3	Room Temp. Is a lttle different from the actual.	* Do temperature calibration in item 1 of high senior options

SERVICE

Your thermostat carries an 24 months warranty from date of purchase. Service outwith the warranty period mayincur a charge. More detail please contact with us directly.