

BAC-003 Series WiFi Thermostat
User Guide



For Fan Coil Unit
Welcome

Thank you for your purchase.
Your new thermostat will provide uniform and comfortable temperature control throughout every room in your property. We bring together technology, craftsmanship and the highest quality materials to provide you with a safe, reliable product combined with sleek, contemporary design.
Please read this installation/programming manual for comprehensive instructions on installing and operating your thermostat. Please also ensure a suitably qualified person installs your thermostat and complies with all local regulations.

In the box you will find

Table with 4 columns: Item, Quantity, Item, Quantity. Rows include Thermostat (1pc), Screws (2pc), User Guide (1pc), Wall plate (1pc), and QC Passed (1pc).

ABOUT YOUR THERMOSTATS

BAC-003 series Modern Round Touch Screen Room Thermostats are designed to on/off control the fans and valves in air conditioner applications via comparison of the room temperature and setting temp. as reaching the aim of comfort and saving energy.

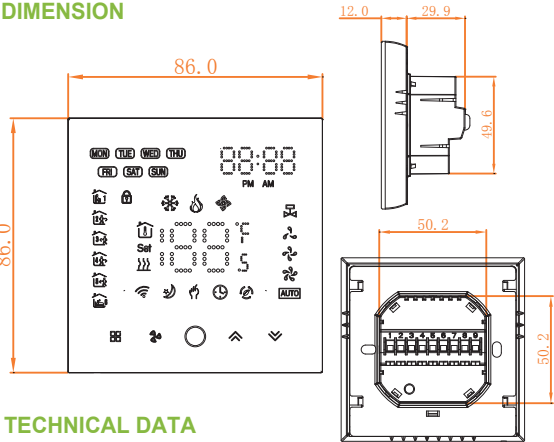
MODEL DEFINITION

- A : Two pipe; Control Fan Coil Unit and Two Wired Motorized Valve
 - M : Two pipe; Control Fan Coil Unit and 0-10V Motorized Valve
 - E : Four pipe; Control Fan Coil Unit and Two Wired Heat Valve and Two Wired Cool Valve.
 - N : Modbus RTU communication
 - W : Wifi connection
 - K : Keypad
 - W2 : Window
 - E : External Sensor
 - T : Clock
 - P : Programmable
- For example: BAC-003ALW

FEATURES

- On Appearance
- 86mm hidden box and European 60mm round box is suitable.
 - Full white appearance, perfectly integrated into your family.
 - LED matrix light, simple display, energy saving, protect your eyes.
 - Touch buttons to make simple operation.
 - Amazing Silver Frame opens your modern life.
 - The visible thickness above the wall is only 12mm.
 - Interlock to connect gives you easy installation.
- On Functionality
- Powerful functions are available such as WIFI/Modbus etc.,
 - 0.5 °C Accuracy keeps temperature within the level you set.
 - °C or °F can be customized.
 - Data memory when power is off.
 - 5+2 six periods programmable maximize comfort and economy.
 - Temporary programmable.
 - All setting languages synchronize your time zone, address and language.
 - No limit to add thermostats in App and support Smart Scene..
 - Create thermostat group to Centralized control.
 - Integrate with Amazon Echo, Google Home, Tmall Genie.
 - Support device sharing.

DIMENSION



TECHNICAL DATA

Power Supply: 95 ~ 240 VAC, 50 ~ 60HZ
Fan Relay Amps Resistance: 5A; Inductive: 3A
Valve Relay Amps Resistance: 3A; Inductive: 1A
Sensor: NTC3950, 10K
Set Temp. Range: 5 -35 °C
Accuracy: ±0.5 °C
Display Temp. Range: 5 ~ 99 °C
Ambient Temp.: 0~45 °C
Ambient Humidity: 5 ~ 95 % RH (Non Condensing)
Storage Temp.: -5~ 45 °C Timing Error: < 1%
Power Consumption: <1.5W
Shell Material: PC +ABS (Fireproof)
Installation Box: 86 * 86mm Square or European 60mm Round Box
Wire Terminals: Wire 2 X 1.5 mm² or 1 x2.5 mm²
Protection Class: IP20
Buttons: Capacitive Touch Buttons

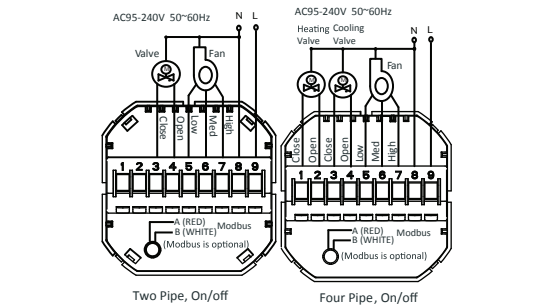
BEFORE WIRING AND INSTALLING...

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



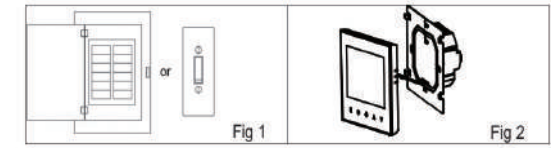
Electrical Shock or Equipment Damage Hazard. Can shock individuals or short equipment circuitry. Disconnect power supply before installation.

WIRING

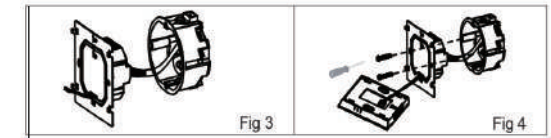


INSTALLATION

- Your thermostat is suitable for installation within a standard 86mm pattress box or European 60mm pattress box.
- Step 1. Keep the electricity off. See Fig 1.
- Step 2. Remove the mounting Plate by rotating the LCD part. See Fig 2.



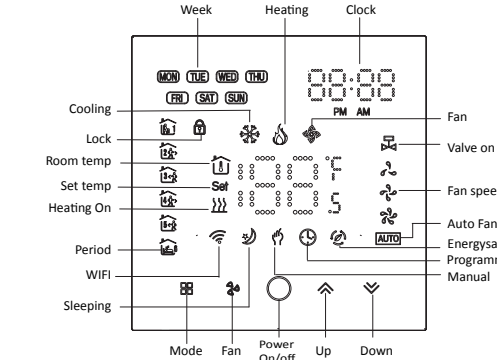
- Step 3. Connect power supply, load into the appropriate terminals. (see "Wiring your thermostat" for details and Fig 3).
- Step 4. Fix the mounting plate into the wall with screws in the box. See Fig 4.



Step 6. Installation complete. See Fig 6.



HOME SCREEN QUICK REFERENCE



OPERATION

- During Power On
- Power On/off: Press the power button to turn the thermostat on/off.
 - Manual & Programmable: Press and hold the manual button, the screen will flash. Press the up arrow to select manual and press the down arrow to select weekly programmable.
 - Setting Temperature: In the mode of manual, press the up arrow to set temperature. The screen will display in below the middle of the screen..
 - Locking your Thermostat: Press and hold the lock button for 5 seconds to lock/unlock your thermostat. In item 3 of high senior options, you can select full lock or half lock.
 - Selecting System Mode: Press the system mode button to change the system mode HEATING, COOLING and VENTILATION. In the mode of VENTILATION, the valve is off but the fan runs.
 - Setting the Fan Speed: Press the fan speed button to go to select the fan speed AUTO, HIGH, MED, LOW.
 - Restore Manufacturer Defaults: Press the restore button, you can reset thermostat. Steps: Open your app - go into your room - click menu on the top right corner - move to the end - Press Restore Manufacturer Defaults. Adjusting/Setting the Clock: Press and hold the clock button, the screen will flash. Press the system mode button to set minute, hour and weekday. by using the up and down arrows, after 3 seconds the value will be confirmed automatically.

8. Adjusting the Weekly Programmable

Press the system mode button to do the adjustment of weekly programmable. Then press the system mode button to change the different items. Press the up arrow or the down arrow to set the relative values. Your thermostat provides six scheduled heating and cooling periods each day – three Comfort periods - 1, 3 & 5 (the temperature required when room is occupied) and three Economy periods – 2, 4 & 6 (the temperature required when room is unoccupied). You can set both the time and temperature for each of these six daily periods. Adjusting/setting the schedules can only be carried out when in program mode; Touch M (mode) to change between manual mode and programme mode. In manual mode, the screen will show in the bottom left of the screen. Touch the icon for four times until the weekday schedule settings appear (1 2 3 4 5 will show along the top of the screen). Use the up and down arrows to adjust the time for the 1st (Comfort) period. Press the icon and use the up and down arrows to set the temp. for the 1st period. Repeat this process for periods 2 – 6. Press the icon once more to enter the weekend schedule settings (6 & 7 will show along the top of the screen). Repeat the above process to set the weekend schedule. Press the icon once more to confirm and exit.

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 °C	06:00	20 °C	06:00	20 °C
Period 2	08:00	15 °C	08:00	20 °C	08:00	20 °C
Period 3	11:30	15 °C	11:30	20 °C	11:30	20 °C
Period 4	13:30	15 °C	13:30	20 °C	13:30	20 °C
Period 5	17:00	22 °C	17:00	20 °C	17:00	20 °C
Period 6	22:00	15 °C	22:00	15 °C	22:00	15 °C

In the mode of program, set temp., time could not be adjusted.

During Power Off

Setting the Functions and Options

When power is off, press and hold the system mode button and the fan speed button at the same time for 5 sec. in order to reach system function. Then press the system mode button to change the different items. All the settings will confirm automatically when power is on.

Code	Function	Setting and options	Default
1	Temperature compensation	-7 to 7 °C	-1
2	Fan control	00: When room temp. reaches the set point the fan will turn off 01: When room temp. reaches the set point the fan will turn to low speed	00
3	Button Locking	00: All buttons are locked except power button. 01: All buttons are locked.	1
4	Mode Select Custom	00: Cooling / Ventilation. 01: Cooling / Heating / Ventilation.	01
5	Min. Set Temp.	5-15 °C	5
6	Max. Set Temp.	15-35 °C	35
7	12/24 hours	00: 12h 01: 24h	01
8	Display Mode	00: Display both set temp. and room temp. 01: Display set temp. only	00
9	Energy-saving Mode	00: Energy saving Mode 01: Non-energy saving Mode	00
A	Energy-saving Heating temperature	10-30 °C	20
B	Energy-saving Cooling temperature	10-30 °C	26
C	Deadzone Temp.	1-5 °C	1
D	Daytime display brightness	0-9	3
E	Night display brightness	0-9	0
F	Back to factory setting	00: User setting 01: Power on back to factory setting	00

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 connecteddevices

Step 1 Download your APP (Fig1-1)



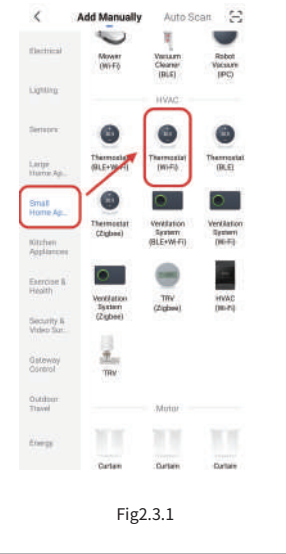
Search for "Smartlife" in Apple Store or Google Play or use a browser to scan the QR code above (Figure 1-2), and complete account registration and installation according to the guidance of the APP.

Step 2. Connect the thermostat
Check the tutorial below to complete the connection and setup.

Method 1: Scan the QR code to configure the network guide (Fig 2.1-Fig 2.3)



Method 2: Ordinary distribution network guidance (Fig. 2. 1&Fig. 2.3.1)



Network distribution mode:

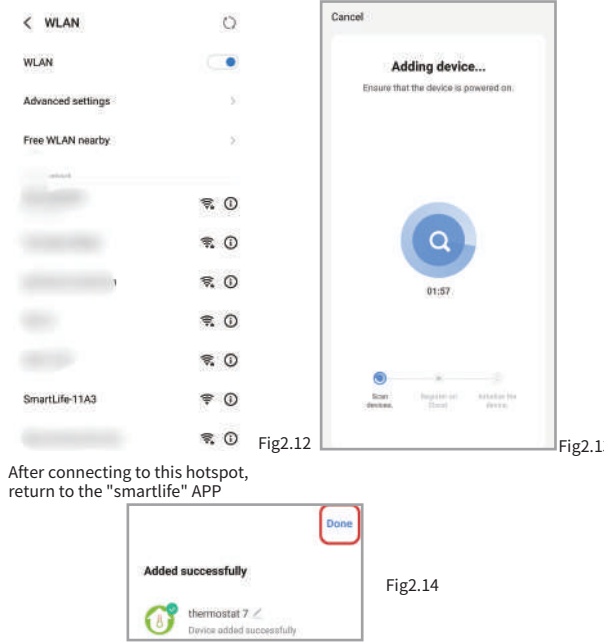
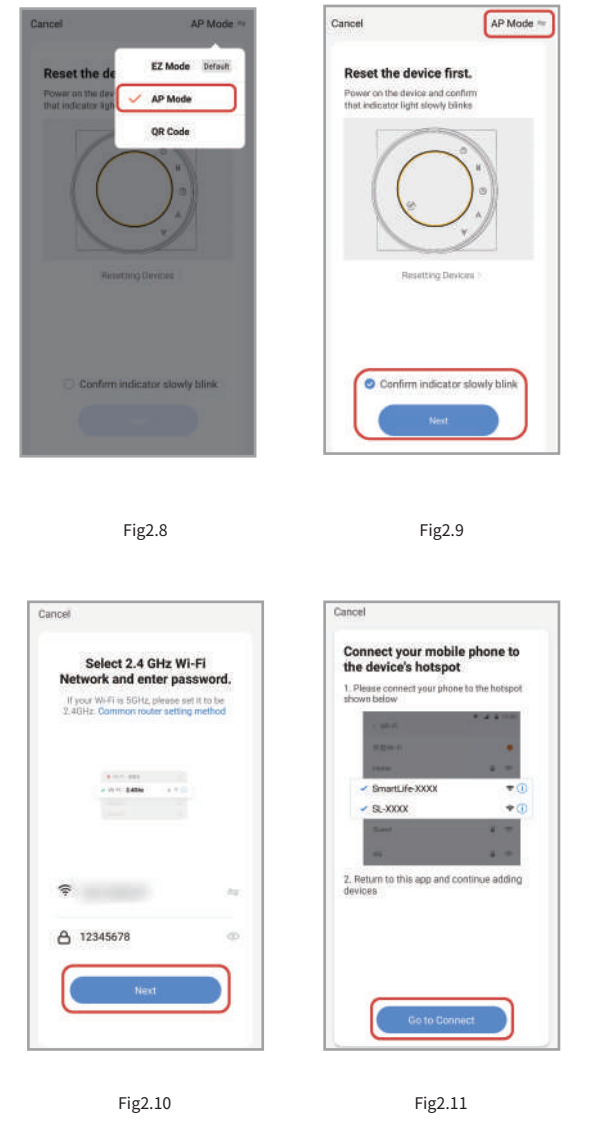
1. EZ Mode

When the thermostat is off, press and hold the " √ " until the thermostat screen flashes quickly and displays the " √ " icon, and then operate according to the following figure (Fig 2.4-Fig 2.7).



2. AP Mode

When the thermostat is off, press and hold the " √ " until the thermostat screen flashes slowly and the " √ " icon is displayed (if the " √ " icon appears, continue to press the " √ " until the thermostat screen Flashes slowly and displays the " √ " icon), and then operate according to the following figure (Fig 2.8-Fig 2.14).

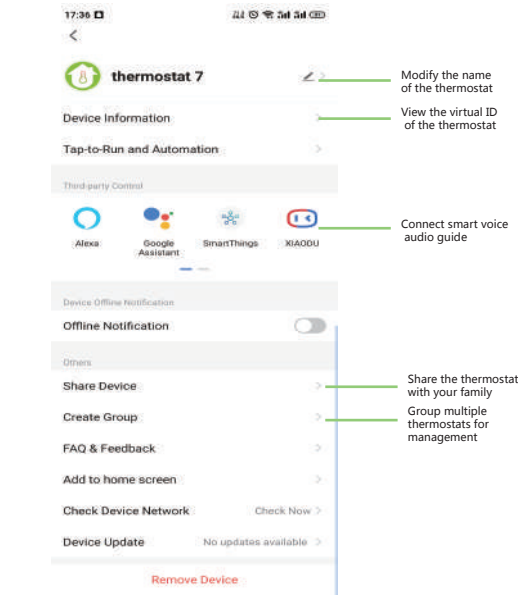


After connecting to this hotspot, return to the "smartlife" APP

APP operation interface description (FCU thermostat)



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.	* Use a new LCD panel or new Power Unit Box to replace the old one.
3	Room Temp. Is a little 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 may incur a charge. More detail please contact with us directly.