

Touch Screen Room Thermostat

User Guide

Model: AC603F-WiFi



Welcome

Your new thermostat will provide year of reliable service. Using this digital thermostat will provide more uniform comfort in your home through the seasons. Thank you for buying the 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

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

Service

We offer the warranty of 18 months from the sales day. If it is not the problem of quality or beyond the warranty time, we will charge for the after-sale service.

Technical Data of your thermostat

Sensor: NTC Accuracy: $\pm 0.5^{\circ}\text{C}$
Temp. Range: $5\sim 35^{\circ}\text{C}$ Power Consumption: $<1.5\text{W}$
Timing error: $<1\%$ Power Supply: $100\sim 230\text{VAC}$, $50\sim 60\text{Hz}$
Current Load: 5A for fan and 3A for valve
Shell Material: PC+ABS (Fireproof)
Dimension: $86\times 86\times 13.3\text{mm}$
Installation box: 86*86mm or European 60mm
Ambient Temp.: $0\sim 45^{\circ}\text{C}$, $5\sim 95\%\text{RH}$ (Non condensing) Storage Temp: $-5\sim 55^{\circ}\text{C}$

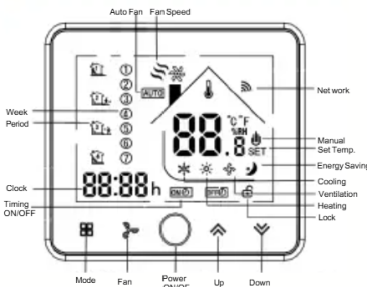
About your thermostat

AC603F series Modern 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 temperature as reaching the aim of comfort and saving energy. AC603F are microprocessor based thermostat with LCD display.

Features of your thermostat

Modern design similar as a cell phone.
Acrylic lenses to avoid the finger scratch. Touch Button makes simple operation.
Large screen display with backlight is easy to read—even in the dark.
Four periods program schedules maximize comfort and economy.
One-touch temp control overrides program schedule at any time.
Precise comfort control keeps temperature within 0.5°C of the level you set.
Easy installation.
86mm hidden box and european 60mm round box is available.

Home screen quick reference



Model definition of your thermostat

A1: Two pipe; Control Fan Coil Unit and Two wired Motorized valve.(when room temperature reaches the setpoint, both will turn off)
A2: Two pipe; Control Fan Coil Unit and Two wired Motorized valve.(when room temperature reaches the setpoint, valve will turn off but fan will turn to low speed)
B: Two pipe; Control on/off Motorized Damper C: Two Pipe; Control Fan Coil Unit and Three wired Motorized valve
M: Two pipe; Control 0-10V Motorized Valve
E: Four pipe; Control Fan Coil Unit and Two wired Heat and Cool Motorized valve.
T: Clock
L: Backlight
P: Weekly Programmable
N: RS485/MODBUS RTU communication K: Keycard
E: External sensor
P and N could not be compatible at the same time.
For example: AC603FA1LN

Operation

1. Setting the temperature

In the mode of programmable, set temperature, time and timing on/off could not be adjusted. If the user want to change, please reprogram.
In the mode of manual, press \approx to set temperature. \approx will display in the left corner of screen.

2. Setting Lock (optional function)

Press and hold \approx for 3 sec. to lock the screen. The icon \approx will display on the screen.
Press and hold \approx again for 3 sec. to unlock the screen.

3. Setting the fan

Press \approx to select the fan speed AUTO, HIGH, MED, LOW.

4. Setting the system mode

Press \approx to change the system mode HEATING, COOLING and VENTILATION. In the mode of VENTILATION, the valve is off but the fan runs.

5. Selecting manual and programmable

Press and hold \approx for 3 sec, \approx will flash, THEN

Press \approx to select manual

Press \approx to select weekly programmable.

Press \approx to set minutes of the time.

Press \approx to set hours of the time.

Press \approx to set week of the time.

Press \approx into the adjustment of programmable.

6. Adjusting the weekly programmable

As the above steps, press and hold \approx for 3 sec, \approx will flash, then press \approx for 4 times to enter programmable mode. Then press \approx to change the different items.
Press \approx or \approx to set the relative values.
The order is Minute adjusting \rightarrow Hour adjusting \rightarrow Week adjusting \rightarrow Minute setting \rightarrow Hour setting \rightarrow Temperature adjusting \rightarrow week adjusting ("12345", "6", "7", is "5+1+1" programmable mode, every mode has four times zones and four times temperature setting)

Default settings for program schedule

Time display	WEEKDAY(MONDAY - FRIDAY) (12345 shows on screen)		WEEKEND (SATURDAY - SUNDAY) (6 shows on screen)		WEEKEND(SUNDAY) (7 shows on screen)	
	TIME	TEMP	TIME	TEMP	TIME	TEMP
Period1	06:00	20°C	06:00	20°C	06:00	20°C
Period2	08:00	15°C	08:00	20°C	08:00	20°C
Period3	13:30	15°C	13:30	20°C	13:30	20°C
Period4	22:00	15°C	22:00	15°C	22:00	15°C

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

7. Setting functions and options

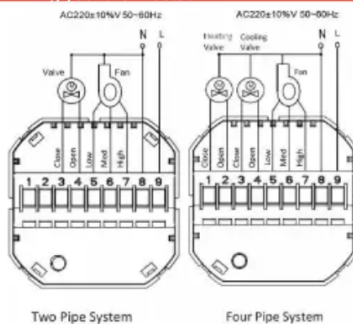
During power off, press \approx and \approx at the same time for 5 sec. to system functions. Then press \approx to change the different items.

Press \approx or \approx to set the relative values.

All the settings will confirm automatically when power is on.

No	Function	Setting & Options	Default
01	Temp. Calibration	-9°C to 9°C	-2
02	Fan Control	00: When room temp. reaches the setpoint, the fan will turn off. 01: When room temp. reaches the setpoint, the fan will keep running.	00
03	Lock	00: All the buttons are locked except POWER 01: All the buttons are locked	01
04	Heat/Cool	00: Cool/Ventilation only 01: Heat/Cool/Ventilation	01
05	Min. Set Temp.	$5\sim 15^{\circ}\text{C}$	05
06	Max. Set Temp.	$5\sim 35^{\circ}\text{C}$	35
07	Display Mode	00: display both set temp. and room temp. 01: display set temp only	00
08	Energy-saving Mode	00: Non-energy saving mode 01: Energy-saving mode, set temp, keep economy temp.	00
09	Heating Economy Temp.	$10\sim 30^{\circ}\text{C}$	20
10	Cooling Economy Temp.	$10\sim 30^{\circ}\text{C}$	26
11	Dead zone Temp.	$1\sim 5^{\circ}\text{C}$	1

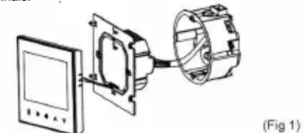
Wiring your thermostat



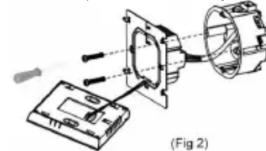
Installing your thermostat

This product is suitable for standard 86mm wall box or european 60mm round box.

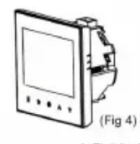
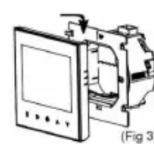
1. Connect the wire of power and other equipment into the terminals.



2. Fix the wall plate into the wall box by a screwdriver



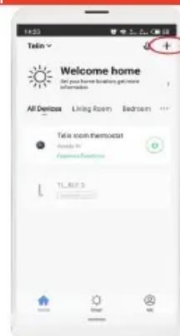
3. Connect the LCD board into the wallplate.



WARNING: Please arrange the professional technician to install this product according to installation drawing and instruction.

RISK OF ELECTRICAL SHOCK. Disconnect power supply before making electrical connection. Contact with components carrying hazardous voltage can cause electrical shock and may result in severe personal injury or death. instruction.

Connect to WiFi signal

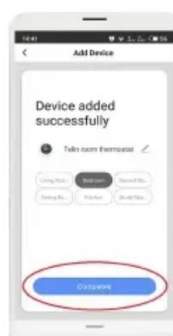


1. Scan the above QR Code by cellphone or sourcing the Apps "Smart Life" OR "Tuya Smart" at the App-store.

2. After completing the account registration, click "+" in the upper right corner of the APP main interface to add the device.



5. Enter Wi-Fi password and click "Confirm", then click "Continue" to pair the devices



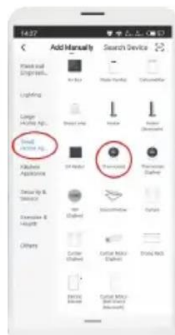
6. Waiting a few second until the device added successfully, click "Completed" to device main interface



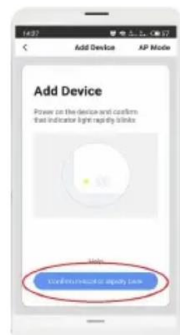
9. Click "Gear" to choose the fan speed you need



10. Click "Switch" to turn off device



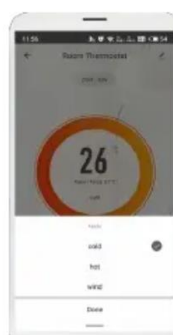
3. Please select "Thermostat" in "Small Home Application"



4. Please long press the thermostat icon & key, until it show "flashed", then click "Confirm indicator rapidly blink"



7. Click "Settings" for more settings



8. Click "Mode" to choose the mode you need