

Thermostat User Manual (WIFI Version)

Technical Parameters:

Temp. Sensor : NTC Thermistor

Temp. Control Accuracy: $\pm 1^{\circ}\text{C}$

Temp. Control Range : $5\sim 35^{\circ}\text{C}$

Display Range : $0\sim 50^{\circ}\text{C}$

Setting Temp. Range: $0\sim 45^{\circ}\text{C}$

Screen : LED

Buttons: Touch

Power Supply : AC85~260V, 50/60Hz

Self Power Consumption: $< 1\text{ W}$

Load Current: 2 A(Impedance load) 1 A(Inductive load)

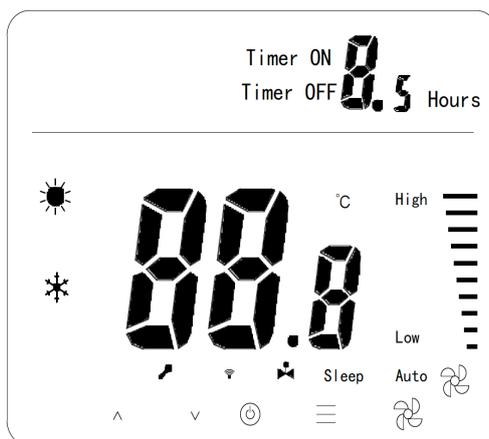
Terminal Wiring: $2\times 1.5\text{ mm}^2$ or $1\times 2.5\text{ mm}^2$ Wire

Casing: PC+ABS Anti-Fire

Dimension: $86\times 86\times 13\text{ mm}$ (L×W×H)

IP Class: IP 30

Introduction of Keys:



- ★ Cooling 
- ★ Heating 
- ★ Fan Speed. 
- ★ Room Temp. Display
- ★ Setting Temp. Display

- ★ Timer ON/OFF
- ★ Sleeping Mode
- ★ Error 
- ★ Motorized Valve 
- ★ WIFI 

Buttons:

-     
- ★ Temp. Setting ( )
- ★ Mode ()
- ★ ON/OFF ()
- ★ Fan Speed ()

Operating Instructions:

» ON/OFF : Press “” to turn on or turn off.

» Temp. Setting : Press “” and “” to adjust the temp., each time adjust 1°C .

» Mode : Press “” to change, “” is cooling, “” is heating.

» Fan Speed: Press “” to adjust the fan speed: Three speed fan and Auto mode to be selected.

» Temp. Standardizing : When the unit is OFF, press both “” and “” for 2 seconds till you hear “buzz”, then you will see “XX $^{\circ}\text{C}$ ”, press “” or “” to adjust the correct temp. value, in 5 seconds it will be automatically confirmed.

» Error: When the unit is on, press “ + ” to enter the page of error checking list, The screen will show “E -”, press “” to see on the top right place sequenced by 1-5 error records, if there's no errors, it will show “E - ”

E - No Error

E – 1 Communication Receiving Error

E – 2 Temp. Sensor Error

E – 3 Fan Error

E – 4 Communication Sending Error

» Fan Speed Adjustment Setting : When the unit is OFF, press “Λ + ⚙️” for 2 seconds till you hear “buzz”, then you enter the interface on “Fan Speed Adjustment Setting”, Firstly to set fan No. 1 high speed limitation, press “Λ” or “V” to set the value, each time value change is 5, then press “≡” to set fan NO. 1 low speed limitation, then fan NO. 2 high speed and low speed limitation, press  to quit after setting, all settings will be saved.

» Sleeping Mode: When the unit is on, press “Λ + V” for 2 seconds till you hear “buzz”, the sleeping mode is turned on, “Sleep” icon is shown on the screen. Press again “Λ + V” for 2 seconds to cancel the “Sleep” mode. Sleeping execution: In cooling mode, after one hour the temp. will increase 1C, after 2 hours the temp. will increase 2C, in 3 hours the unit will be turned off. 【If the temp. reaches the setting temp. it will also be turned off】. While in heating mode, after one hour the temp. will decrease 1C, after 2 hours the temp. will decrease 2C, in 3 hours the unit will be turned off. 【If the temp. reaches the setting temp. it will also be turned off】.

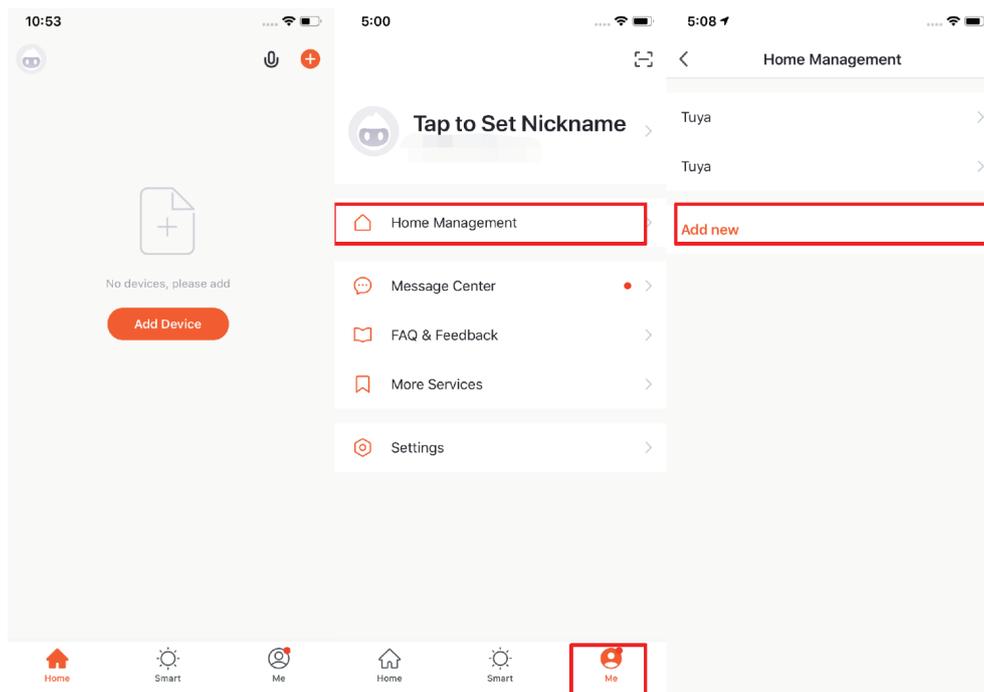
» Timer: When the unit is ON, press both “V” + “≡” for 2 seconds till you hear “buzz”, then you enter the interface on “Turn On Timer Setting”, “Timer ON” blinks, “--” means Timer function is disabled; now press “≡”, “--” is replaced by numbers, press “Λ” or “V” to set timer, each time 0.5 hour, range is from 0 to 9.5 hours. After setting, press  button to go back to OFF status, starts to reduce the running time till 0 and then you hear a “buzz” to turn off the unit. In case the timer function is not active, it will not be shown on the screen.

» WIFI Setting: When the unit is OFF, press “Λ + V” for 2 seconds till you hear “buzz”, now you can see the interface for WIFI

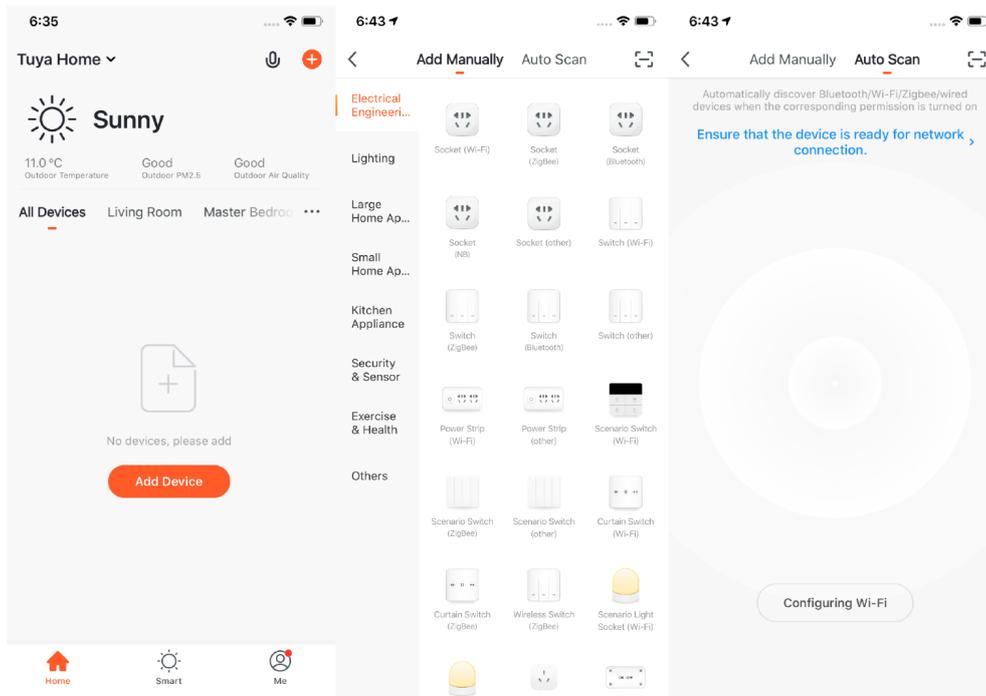
setting on the thermostat LED screen (See picture).



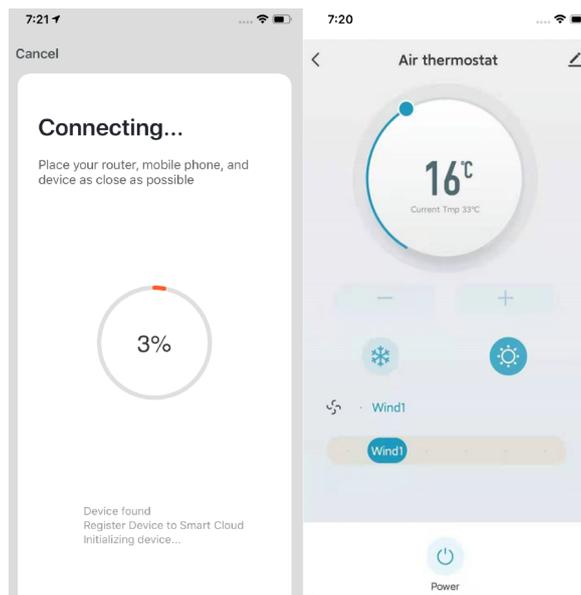
1. In order to use WIFI function, users need to download an APP named “Tuya Smart” on their smart phones, and then users need to register and Login on their Tuya Smart App.
2. Enable WIFI and Bluetooth functions on your phone, open Tuya Smart APP and press “+” on the top right corner.



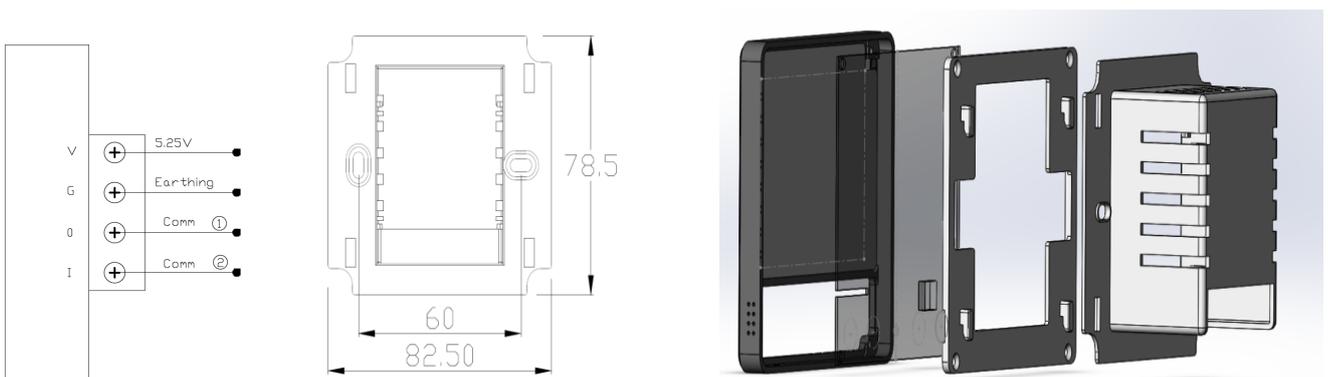
3. Click “Add Devices” or “+” in the top right corner to enter the add device page. There are two ways to add devices: “Add Manually” and “Auto Scan”. (If you use “Auto Scan”, you need to allow the app to use Wi-Fi and Bluetooth.)



- When you see the device named “Air thermostat” on Tuya Smart, press “Add”, wait until the device is successfully added on your phone, now you can use your phone to control the FCU thermostat.



Wiring Diagram and the Installation Drawing.



⚠ Caution: Wiring diagram must be followed strictly and avoid water and any other impurity to enter the thermostat, or else it will damage the thermostat.