WIFI Wireless Thermostat Manual

User Guide   Model : TP618RFW

About your thermostat

TP618RFW is a modern touch type wifi smart thermostat. You could use mobile to control your thermostat anywhere. It can replace most common residential thermostat and is designed to be used with electric, gas or oil heating control system.

Unlike ordinary single unit design thermostat, this unit is a new type of thermostat separating the thermostat function into two units. Receiver and Control Center.The distance over 150M in the open air.It can be used to control boilers,thermal actuators,motorized valves etc.

Thermostat all passed CE and Rohs standard.

Service

We offer the warranty of 24 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

►Power source :Control Centre 2 AA batteries
              Receiver 95-240VAC±10% 50/60HZ
►Frequency band:868MHZ
►Relay contact:3A for water heating/gas boile heating
             16A for electric heating
►Room temperature setting range:5℃-35℃
►Working environment temperature range:0℃-50℃
►Storage Temperature range:-10℃-60℃
►Accuracy:0.5℃
►Control Center/Receiver Dimension : 86mm*86mm*15mm
►Installation:Wall mount or Desktop`

Features of your thermostat

►Temperature display of Celsius
►Programming Period: 5+1+1, 6 separate periods per day.
►WIFI APP control with IOS&Andriod
►Anti-freezing protection
►Modern desgin similar as a cell phone.
►White/Black Colour option creates elegant life.
►Acrylic lenses to avoid the finger scrath.
►Touch Button makes simple operation.
►Large VA screen display with backlight is easy to
   read—even in the dark.
►One-touch temp control overrides program
   schedule at any time.
►Precise comfort control keeps temperature within
   0.5°C of the level you set.
►Data memory when power is off.

## LCD Display Reference

Operation

1. ⏻ Press this button to power on /off your thermostat

2. ⏲ Press this button to set min/hour/week

3. ▢ Press this button to select manual /programm mode

  Manual mode:Press ▢ button to select manual mode. When you select manual mode,the symbol ✋ will show in the bottom left corner.Press ∧ ∨ buttons to change the desire temperature

  Program mode:Press ▢ button to select program mode. When you select this mode,the symbol ⏲ will show in the bottom left corner.Press ▢ buttons over 5seconds to activate weekly program set mode.Press ▢ button to select (5+1+1)six periods time and temp.When you set the Desire time and tem.Press ⏻ button to save the set and return back home screen.

  Temperary mode: During program mode.If you need change the temp,The icon ✋⏲ will appear.The presetting program will return in next period

4. 🔒**Child clock:**You could press ∧ ∨ 7seconds to lock/unlock your thermostat

5. 🧳**Holiday mode:**Press⏲ 7seconds to enter holiday mode when power on.The 🧳 icon will display on left botton, Short press ⏲ to set desire day and temp.Press ∧ ∨ button to change day range 0-99 or desire temp. Press ⏻ button to save the set and return back home screen.Press ▢ button to exit this mode

6. Factory reset:1 weekly program reset,Press▢ button over 7seconds to enter program mode.Then press ∧ ∨ over 7seconds to go factory setting.The LCD will display"def"in the botton right corner.

2. Configuration menu reset.Press ▢ button over 7seconds to enter configuration menu when power off.Then press ∧ ∨ to go factory setting. The LCD will display"def"in the botton right corner.

7. Low battery alarm
Low Battery symbol 🔋 will display on LCD when power <= 10%. APP will remind you to replace batteries
🔋 flash when battery power use almost 99%,RF will stop working.You have to replace new batteries immediately

Receiver button function
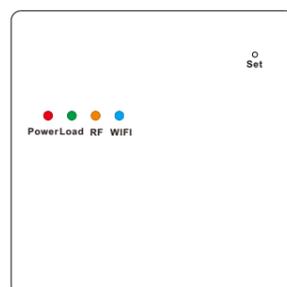
1.Power Indicator(Red light):Press SET button to power on /off the receiver,Power on RED light on.Power off the RED light off

2.WIFI signal indicator(Blue light): Press SET button over 7seconds when power on.It will enter WIFI connection mode. Continuous fast flashing means it is in WIFI EZ network configuration mode; continuous slow flashing means it is in WIFI AP network configuration mode;When WIFI connect successful.The blue light will always on.WIFI connect failure, the light will not on.

3.Load indicator(Green light): In normal operation, the load output is turned on,.The green light will on.When there load output is off.The green light will off. When green light quickly flash it indicator the External sensor error

4.RF signal indicator(Yellow light).
  A:Yellow light always on.It means receiver enter pair with transmitter,When power off.Press SETButton over 7seconds. RF light will on.Loose the button.Receiver will enter match code status.Yellow light will flash 3times when match success with transmitter.
  B:Yellow light flash quick,It means receiver receive signal successful, It will flash one time when receiver receives the signal from transmitter each time.
  C:Yellow light flash slowly,It means receiver match success with transmitter

5.Emergency output method(Manual output):
When transmitter broken or cann't control your receiver. You could use this method.Power off your receiver.Long press Set button.RF signal light(Yellow light)on all the time. After 18seconds.Load light(Green light) and RF light (Yellow light)on the same time.Emergecy output will work. Short press Set to quit this function.

Programm Settings

When power is on,press ▢ for 7 seconds to enter programm mode.Press ▢ to change the different items.Press ∧ ∨ to set the relative values.
The order is Week-time-Temp(Monday-Friday,Saturday, Sunday=5+1+1)Each day has 6periods setting.

Time display	Weekday(MON-FRI)		Weekend(Saturday)		Weekend(Sunday)	
	Time	Set Temp	Time	Set Temp	Time	Set Temp
Period 1	6:00	22℃	6:00	22℃	6:00	22℃
Period 2	8:00	16℃	8:00	16℃	8:00	16℃
Period 3	12:00	22℃	12:00	22℃	12:00	22℃
Period 4	14:00	16℃	14:00	16℃	14:00	16℃
Period 5	18:00	22℃	18:00	22℃	18:00	22℃
Period 6	22:00	16℃	22:00	16℃	22:00	16℃

How to match code between transmitter with receiver?

Normally you don't need need match pair code,All match well in factory,Each pair will have the same series match numbers.
However if your transmitter lost signal with your receiver.You could connect according to follow steps
1.On your receiver,make sure receiver is during match code status.When power off.Press SET 7seconds.Yellow lights on, It means receiver enter pair with transmitter standby.
2.On your thermostat,press ⏻ and ⏲ 7seconds .The LCD will display:" ---."After matchcode sucessful.The transmitter LCD will display number (1-9 range all ok)
3.Transmitter's RF symbol 📶 will on it.Receiver's yellow light will flash 3times.
 NOTE:
📶 Flash means RF not match code.
📶 Disappear means no RF signal.
📶 Always on screen means RF working normal.
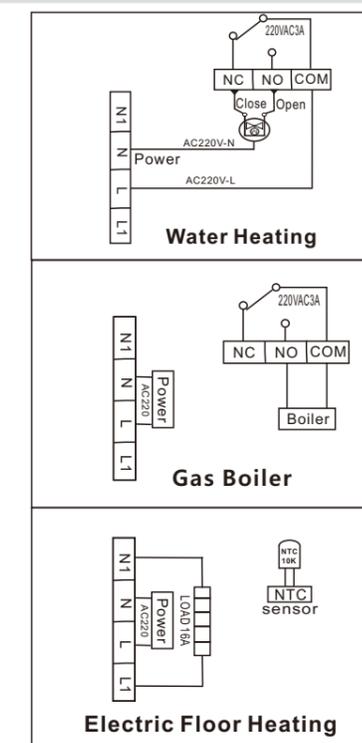
Configuration menu

Turn off the thermostat.Press ▢ 7seconds to enter configuration menu.During this menu,short press ▢ to change parameters.Press ⏻ to confirm the setting.

No.	Function	Press ∧ ∨ to set	Defaul
1	Calibration	−9℃ to 9℃	0℃
2	Dead Zone	0.5℃ to 5℃	1℃
3	Lock	0:All buttons will lock expect power button 1:All buttons will lock	0
4	Minimum temperature setting	5℃ to 20℃	5℃
5	Maximum temperature setting	20℃ to 35℃	35℃
6	High temperature protection(external sensor only)	25℃ to 70℃	45℃
7	Display Mode	0:Room temperature 1:Setting temperature	0
8	Low Temperature protection(Anti-Freez Protection)	0:Off 1:On.When room temp =5℃,Heat on,When room temp over 8℃,Heat off	0
9	ECO mode	0:Off 1:ON	0
10	ECO Temp set range	5℃ to 30℃	16℃

*High temperature protection
  1.When external sensor detect the floor temp is over 45℃,Thermostat will turn off heat
  2.When you connect external sensor.This function will work.In your thermostat,You could press ⏲ 7seconds to check floor temperature.App in settings could check floor temp.Thermostat LCD Will display ERR when external senor broken or loosen.App also alert floor sensor error
  If you dont connect external senor.Then you couldn't check external sensor temp both thermostat and app.

Wiring Diagram

Water Heating

Gas Boiler

Electric Floor Heating

WIFI connection with APP

To help with pairing your device for the first time, we recommend having your phone close to the router or modem . Search "**Smart Life**"app from Google play and app store. Download it or scan the QR code below(Fig1-1)

Fig 1-1

Open "Smart Life" app. Follow registration instruction

Through the app, you can control the devices with voice control by integrating amazon echo or google assistant. The app arrives with an easy to use interface with elegant features. As a result, using the app is extremely straightforward. One of the notable things about the app is you can control the appliances of your home from another part of the world.

The app also allows you to add and control a variety of devices at once. You can also let the device to automatically start or stop based on the location, time, and temperature. It also allows you to share the control of the devices among the family members. It also includes a real-time safety feature that will enable you to ensure the protection in case if anything went wrong

How to use the Smart Life App

The app manufacturer. Start with installing the app on your device. Then open the application and register for an account. Then the app will automatically detect your country code. In case it does not detect, you will require entering the code manually. Then you will need to enter your phone number or email address. There will be a verification code sent that you will require entering for confirming the registration.Then click on the plus icon in the top right of the app to add a device. The app should automatically pair with

the devices. In case you see a message that says failed to add, then it means the connection is not paired. You will require pairing with the app manually. After successfully pairing with the application, you can set the name of the device. Now you will be able to control the devices from your app interface.

CONNECT TO WIFI – EASY PAIR(EZ MODE)

1. Once your thermostat is installed and turned on it will automatically search for a device to pair with(Fig2-2). The Wi-Fi symbol will repeatedly flash to indicate it is searching.Turn on your phone bluetooth

2.Open smart life app "Add Device"(Fig2-1)
3.Hold phone near Thermostat. Device will appear on screen. (Fig2-2)
4.Press 'Go to add'. App will instruct you to select Wi-Fi router and password.(Fig2-3)
5.When WI-FI is connected the device will be paired. (Fig2-4)

Fig 2-1   Fig 2-2

(Fig2-3)   (Fig2-4)

AP MODE WIFI CONNECTION

If your WIFI signal weak or you cann't connect with EZ mode.You could choose AP mode to connect with WIFI. Normally WIFI choose EZ mode(Factory setting)
On your thermostat
Please make sure your thermostat power is on.Press button the wifi symbol flash one time per second.
On the app
Click Confirm indicator slowly blink (Fig 3-1) then select your network and back to your app to enter the password of your wireless router (Fig 3-2) and confifirm. The app will go into the page in (Fig 3-3). Press Go to connect to select the wif signal Smartlife-XXXX of your thermostat （Fig 3-4）. Then the app will connect automatically.This will take 12seconds

Fig3-1   Fig3-2

Fig3-3   Fig3-4

APP FEATURES

⏻ Power: On/Off Red = Power ON, Blue = Power OFF
Mode: You can select between; Manual, ECO or Program mode (Fig4-1,Fig4-2)
👆 Manual Mode: In this setting you can change the emperaturemanually
🔄 Eco Mode: In this mode your thermostat will run at 16 °C. The temperature cannot be changed whilst in eco mode.
🕐 Program Mode: In this mode you can program your thermostat. Click Program mode the select program on the landing page to enter the program page. During program mode you can set your desired time periods and temperatures for
• (Mon-Fri + Sat + Sun) = (5+1+1)
• 6 time periods per day.
You also have the option to re-name time periods. Once you have selected your desired; times, temperatures and name press save in top (Fig4-3)
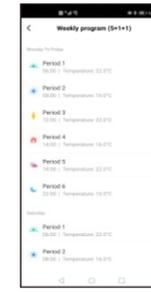
Fig4-1   Fig4-2   Fig4-3

Fig4-4   Fig4-5   Fig4-6

🔒Lock/Unlock your thermostat. Red = Locked Blue = unlocked
� Holiday mode: You can set temperature and holiday days

Battery alarm:The app will show as per picture(Fig4-4)
Floor sensor err:This will work ONLY you buy thermostat with external sensor.(Fig4-5)
🏠 Manual output(Emergency output):White=OFF.Red=ON
⚙ Settings: In Settings you are able to set (Fig4-6)
🌡 1.temperature Compensation: You can manually configure/calibrate your thermostat temperature
❄ 2.Turn on/off frost protection
⚡ 3.Floor Temperature:This only display when you connect with external sensor

CONNECT WITH AMAZON ALEXA AND GOOGLE ASSISTANCE

In settings, select in the top right corner ✎ or ⊗ On the app
                                              Edit
home page to access third party control settings. Select your desired Smart 3 rd party device and follow the on-screen instructions. You could also choose" share devices" and "creat group" with your family.
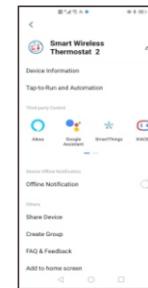
Thermostats Trouble Shooting

NO.	Phenomenon	Handling method
1.	Room temp is litte different from the actual temp	You could use thermostat temperature conpensation to change the temp to be the same
2.	When the thermostats show ERR	This means you need to connect your external sensor
3.	Power on but not display	Please check weather you connect correct wires or your thermostat is connect well.

Cautions on Installation and Use

1.To prevent the thermostat display from a high fluctuation, special treatment has been made to the program. Therefore, it is normal that the thermostat cannot immediately display the sudden change of temperature.
2.The thermostat shall be placed 1.5m above the ground.
3.For the thermostat installed,please take care not to install it to the wall corner, door / window side or behind the door or in such unheated area as exterior wall. Avoid hot / cold air duct, radiator, flue or thermal pipe. If the wireless thermostat with battery seat is placed at a position where the air ventilation is poor, the temperature displayed on the thermostat might be inconsistent to the indoor average temperature.
4.Only the professional technicians are permitted to open the transmitting and receiving box of the thermostat for installation. When installing the power supply, make sure that the power cable is well insulated.
5.To install the receiving box, please install the base plate firstly and then connect the power and signal wire correctly before installing the upper cover and fix it. The thermostat is unrepairable product. The user shall not open the internal circuit board.
6.Before installing the thermostat, make sure that the system is disconnected. The maximum voltage of the system shall meet the requirements specified in the Instruction Manual (Max.AC Voltage: 250V).