Wireless Thermostat Manual

User Guide   Model : TP608RF

LCD Display Reference

- RF
- Low Battery
- WIFI
- Lock
- Mon Tue Wed Thu Fri Sat Sun — week
- Room Temp — RT
- Set Temp — SET
- Floor Temp — FLOOR
- ECO
- Holiday Mode
- Manual
- Program
- Set
- Heat On
- Time period
- Am,Pm
- Time
- Power Time Menu Up Down
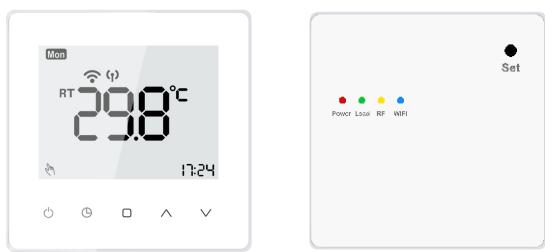
About your thermostat

TP608RF is a modern touch type wireless thermostat. 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.
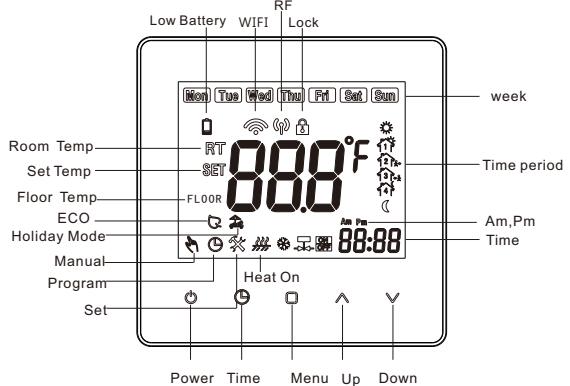
Operation

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

- Set
- Power Load RF WIFI
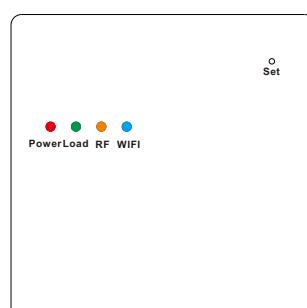
1.**Power Indicator(Red light):**Press SET button to power on /off the receiver,Power on RED light on.Power off the RED light off

2.**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

3.**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

4.**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 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 (ᵞᵖ) will on it.Receiver's yellow light will flash 3times.
NOTE:
(ᵞᵖ)Flash means RF not match code.
(ᵞᵖ)Disappear means no RF signal.
(ᵞᵖ)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℃	0.5℃
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 🕐 and ▢ 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