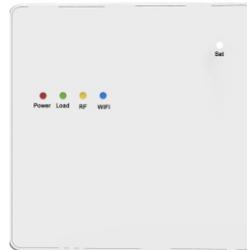




## Smart Wireless Thermostat Manual



### About your rok thermostat

The rok Wireless Thermostat is a modern touch type wifi smart thermostat. You can use your phone 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 Centre. The distance over 150M in the open air. It can be used to control boilers thermal actuators, motorized valves etc.

### Technical data of your rok thermostat

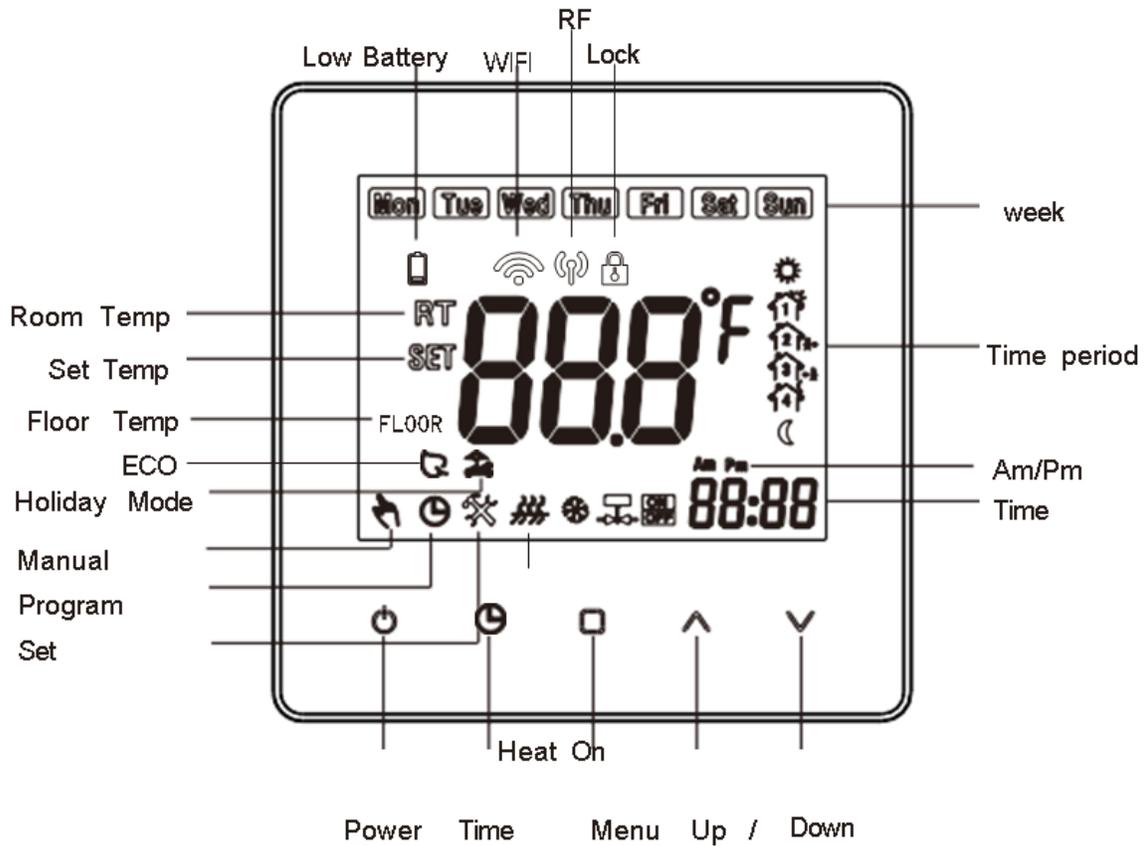
- ▶ Power source: Control Centre 2 AA batteries  
Receiver 95-240VAC±10% 50/60HZ
- ▶ Frequency band:868MHZ
- ▶ Relay contact:3A for water heating/gas boiler heating 16A for electric heating
- ▶ Room temperature setting range:5°C-35°C
- ▶ Working environment temperature range:0°C-50°C
- ▶ Storage Temperature range:-10°C-60°C
- ▶ Accuracy:0.5°C
- ▶ Control Center/Receiver Dimension : 86mm\*86mm\*15mm

Installation: Wall mount or Desktop

### Features of your rok thermostat

- ▶ Temperature display of Celsius
- ▶ Programming Period: 5+1+1, 6 separate periods per day.
- ▶ WIFI APP control with IOS & Android
- ▶ Anti-freezing protection
- ▶ Modern design similar as a cell phone.
- ▶ White/Black Colour option creates elegant life.
- ▶ Acrylic lenses to avoid the finger scratch.
- ▶ 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 /program 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 desired 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 5 seconds to activate weekly program set mode Press button to select (5+1+1) six periods time and temp. When you set the desired time and temp, press button to save the setting.
  - Temporary mode:** During program mode, If you need change the temp, the icon will appear, the presetting program will return in next period
4. **Child lock:** Press the for 7seconds to lock/unlock the thermostat.
5. **Holiday mode:** Press 7seconds to enter holiday mode. The icon will display on the bottom left, short press to set desire day and temp. Press the button to change day range 0-99 or desire temp. Press button to save the settings. Press button to exit this mode.
6. **Factory reset:**
  - 1 weekly program reset, Press button over 7seconds to enter program mode. Then press over 7 seconds

to go factory setting. The LCD will display "def" in the bottom 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 bottom right corner.

7.

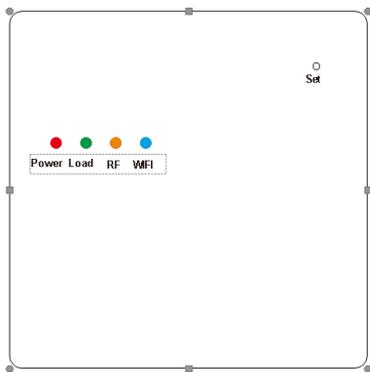
### Low battery alarm

Low Battery symbol  will display on LCD when power  $\leq$  10%.

APP will remind you to replace batteries

 flash when battery power use almost 99%,RF will stop working. Replace the batteries immediately

## Receiver button function



### 1. Power Indicator (Red light):

Press SET button to power on /off the receiver.

RED light on = Power.

RED light off = No Power

### 2. WIFI signal indicator(Blue light):

Press SET button for 7 seconds after power on.

The rok thermostat will enter WIFI connection mode.

Continuous fast flashing = WIFI EZ network mode.

Continuous slow flashing = WIFI AP network mode.

Always On: WIFI connect successful.

Always Off: WIFI connect failure

### 3. Load indicator(Green light):

Always On: Normal Operation

Always Off: The load output is off

Flashing Quickly: External sensor error

### 4. RF signal indicator(Yellow light)

Always On: Transmitter and receiver are paired.

When powered off. Press SET Button for 7 seconds. RF light will be on.

If light goes off: Receiver will enter match code status. Yellow light will flash 3times when match success with transmitter.

Flashing Quickly: receiver receive signal successful, It will flash one time when receiver receives the signal from transmitter each time.

Flashing slowly: Receiver match success with transmitter.

### 5. Emergency output method (Manual output):

If the transmitter cannot control the receiver:

Power off the 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. Emergency output will work. Short press Set to quit this function.

## How to match the RF code between the transmitter and receiver?

Normally you don't need need to pair the devices, This is already done.

However, if the transmitter has lost signal with the receiver, it is possible to re-connect according to the following steps

1. On your receiver, make sure the receiver is in the matching state: Whilst powered off, press SET for 7 seconds. Yellow light comes on.
2. On your thermostat press  and for 7seconds. The LCD will display: " ---." After matching successful, the transmitter LCD will display number (1-9 range all ok)
3. Transmitter's RF symbol  will illuminate. 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

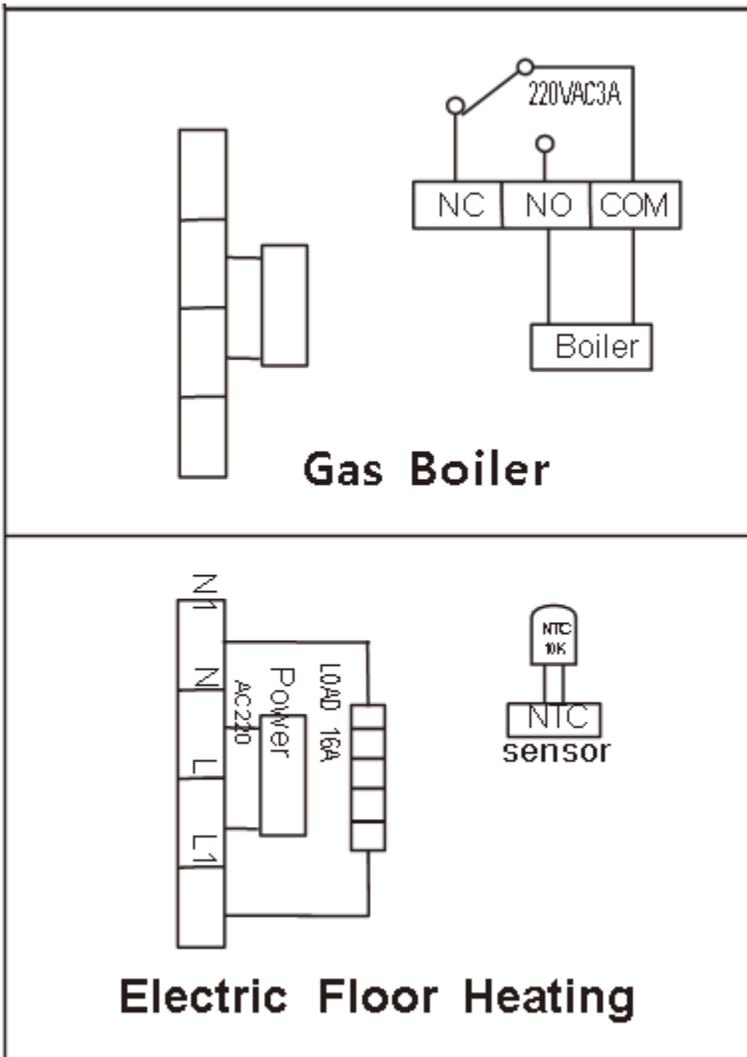
Turn off the thermostat. Press  7seconds to enter configuration menu. During this menu, short press  to change parameters. Press  to confirm the setting.

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

### \*High temperature protection

1. When external sensor detect the floor temp is over 45°C, Thermostat will turn off heat
  2. When you connect external sensor. this function will work. In your thermostat, You can press  for 7 seconds to check floor temperature. App in settings could check floor temp. Thermostat LCD Will display ERR when external sensor broken or loosen. App also alert floor sensor error
- If you don't connect the external sensor. Then it is not possible to check the external sensor temperature.

## Wiring Diagram



## WIFI connection with the rok Smart Home APP

Search "rok Smart Home" app from Google play and app store.



Open the "rok Smart Home" app. Follow the registration instructions.

The rok app also allows you to add and control a variety of devices at once. You can also let the device

automatically start or stop based on location, time, and temperature. It is also possible to share the control of the devices among the family members.

## CONNECT TO WIFI – EASY PAIR(EZ MODE)

1. Ensure the thermostat is installed and turned on.  
Ensure the phone's Bluetooth is turned on.  
The thermostat will automatically search for a phone to pair with(Fig2-2). The Wi-Fi symbol on the thermostat will repeatedly flash to indicate it is searching.
2. Open the rok app "Add Device"(Fig2-1).
3. Hold the phone near the Thermostat. The device will appear on the screen. (Fig2-2).
4. Press 'Go to add'. The rok 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



Fig 2.3



Fig 2-4

## APP FEATURES

Power: On/Off Red = Power ON, Blue = Power OFF

Mode: Select between; Manual, ECO or Program mode (Fig4-1, Fig4-2)

Manual Mode: Change the temperature manually

Eco Mode: The thermostat will run at 16 °C. The temperature cannot be changed whilst in eco mode.

Program Mode: 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)



Fig 4-1



Fig 4-2

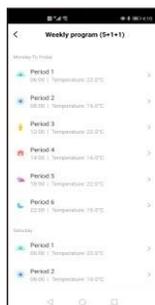


Fig 4-3



Fig 4-4



Fig 4-5



Fig 4-6

## Thermostat Trouble Shooting

NO.	Phenomenon	Handling method
1.	Room temp is a little different from the actual temp	You could use thermostat temperature compensation 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 there is no display	Please check whether you connect the correct wires of the thermostat.