

# MANUAL

## WIRELESS PROGRAMMABLE ROOM THERMOSTAT

The surface-mounted radio thermostat has been developed to be able to switch and conventional heating system on and off using a set temperature and time.

### Key Features

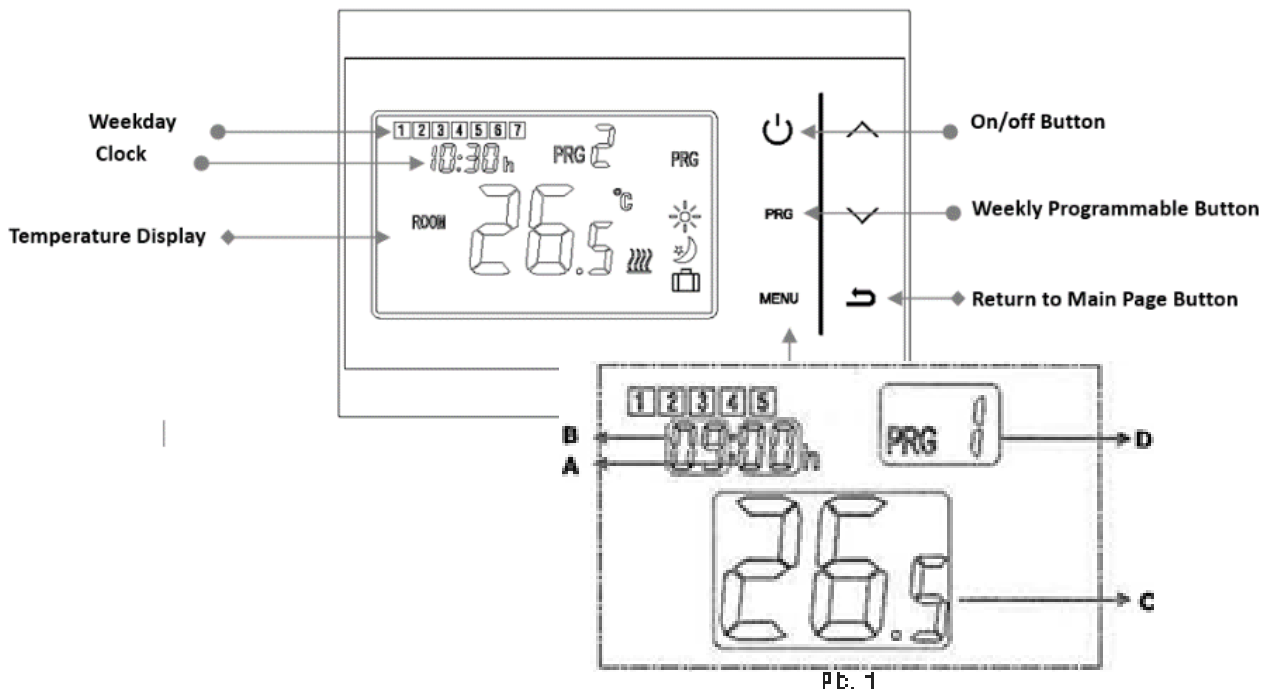
- Large display can be clearly read with the background lighting
- 2xAAA battery backup
- 4 periods of each day programmable (5+1+1)
- Surface mounting with Easy to fit thermostat and receiver.
- Six buttons make it easy to use.
- Set temperature, measured temperature, time displayed
- Temperature display in degrees Celsius.
- RF frequency: 868Mhz
- CE, ROHS approved



### Technical Data

Power Supply	- 2*AAA battery	Backlight	- White
Load current	- Max 10A	Sensor	- NTC 10K,
Set Point Range	- 5~30°C	Accuracy	- ± 0.5°C (step control by +0.5°C)
Ambient	- 0~50°C	Protection Class	- IP20
Relative Humidity	- 85%	Housing	- ABS to UL94-5 fire retardant plastic

### Displays & Buttons



- 1) The weekday is fixed from Monday to Sunday(1-7), each schedule have 4 periods(1-4). Each press of PRG button PRG button can into next item setting.
- 2) Press PRG and hold for 3 seconds, the minutes flash(A), change the values by up and down button.
- 3) Press PRG,the temp. Digital flash(C),change the values by up and down button.
- 4) Press PRG the PRG. Digital(D) to change to PRG 2 automatically. The minutes of PRG2 flash.Repeat the same method to set the time and temp. Of each period.
- 5) After schedule done, press Return Button to main display.

**Example:**

	Monday to Friday				Saturday				Sunday			
Period	1	2	3	4	1	2	3	4	1	2	3	4
Time	6:30	8:00	18:00	22:30	8:00	10:00	18:00	23:00	9:00	12:00	19:00	23:45
Temp.	21°C	18°C	21°C	16°C	21°C	21°C	21°C	16°C	23°C	21°C	16°C	21°C

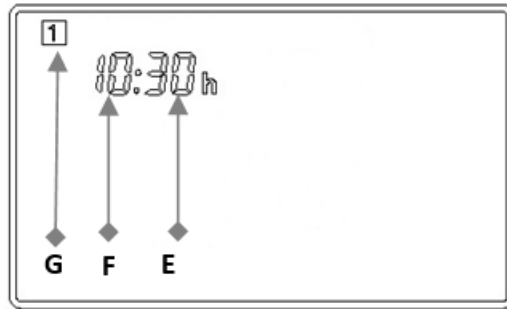
### Advance Setting

Turn off the sender, long press “MENU” button until the screen is lit, press + or – to set value.

Press “PRG” button to enter to next step.

### Time Adjust and Mode Temp. Setting

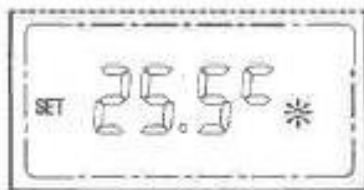
Menu	Description	Range	Default value
01	Temp. Calibration	-8 ~ +8 °C (in 0.5 °C increments)	0°C
02	Switching Sensitivity	0.5 ~ 5°C	0.5°C
03	Frost Protection Temp.	3~10 °C / -- (Function OFF)	--
04	Open window detect function (OWD)	00(Function OFF) / 01(Function ON)	00
05	OWD Detect Time	2~30 min	15 min
06	OWD Drop temp. (within detect time)	2-4 °C	2°C
07	OWD Delay time select (Return to previous working status)	10-60 min	30 min
Address code	Pairing Code	/	4 digits
Software	Software version	/	/



To set the time and day with following steps(Pic.2)

- 1) Press Menu button and hold 3 seconds, the minutes display flash(E), change the values by up and down button.(Each press is one minutes)
- 2) Press Menu, the hour display will flash(F),change the hour by up and down button.(Each press is one hour)
- 3) Press Menu button, the day display flash (G)as a number, change this value by up and down button. User1 for Monday;2 for Tuesday;3 for Wednesday;4 for Thursday;5 for Friday;6 for Saturday;7 for Sunday.

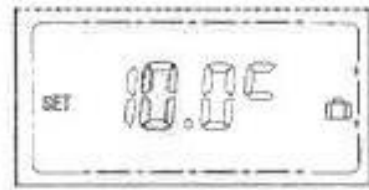
**After time and day adjust, you can continue following steps to pre-set the mode temp.**



**Pic.A**



**Pic.B**



**Pic.C**

- 1) Press Menu button, the comfort mode temp. Display flash(Pic.A),change the values by up and down.
- 2) Press Menu button, the Energy-saving mode temp. Display flash(Pic.B), change the values by up and down.
- 3) Press Menu button, the holiday mode temp. Display flash(Pic.C),change the values by up and down.

The comfort function is display as ☀ symbol(e.g.25.5°C)

The energy-saving function is display as a 🌿 Symbol(e.g.20.5°C)

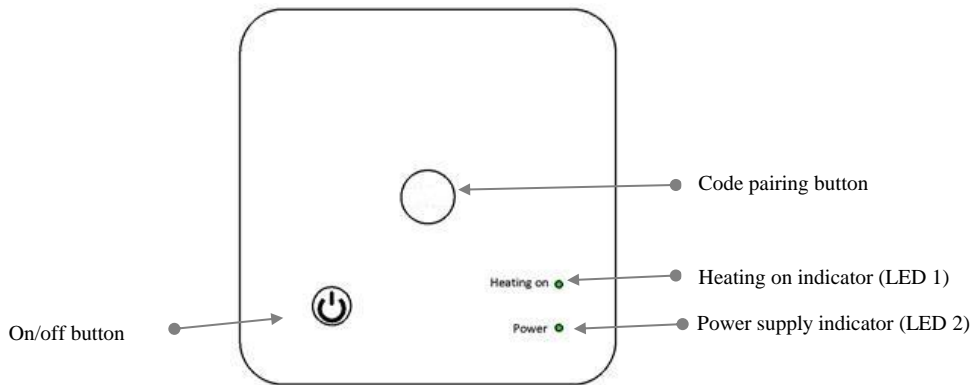
The holiday function is display as a 🏠 (e.g.10°C)

### **Temperature Calibration**

The measured temperature is easy to calibrate. Only use this measured if the temperature deviates(This happens if you place the thermostat in a drawer or similar).

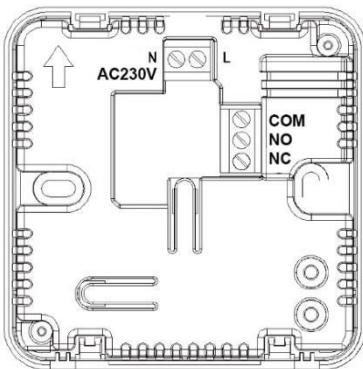
- Turn Thermostat off, press and hold the Menu button for 3 seconds; the code 0007(ID code) will be shown in the top left.
- Use the up and down buttons to set the temperature value. This value can be adjust by -8 to +8°C.
- Press the menu button on the thermostat to save this function and leave the menu.

## Code Pairing

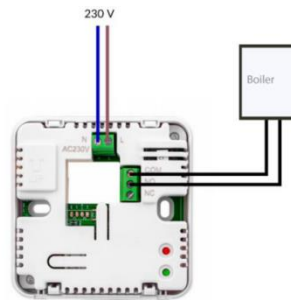


- 1) Long press the code pairing button on the receiver until LED 1 is flickering quickly.
- 2) Turn off sender, and long press **Menu** button until lcd illuminated, then press **Menu** button again, till address code display.
- 3) Wait for a while, LED 1 stop flickering. Code pairing done.

## Wiring Diagram

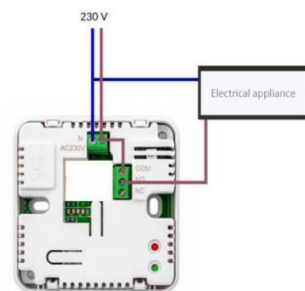


1.For Gas boiler



Voltage free.

2.For Underfloor heating



Max load current: 8 Ampere.

## Installation and dimension

