MANUAL
WIRELESS PROGRAMMABLE ROOM THERMOSTAT

The surface-mounted radio thermostat has been designed to efficiently control and operate conventional heating systems based on predefined temperature and time settings. Its purpose is to enable seamless switching on and off of the heating system as required.
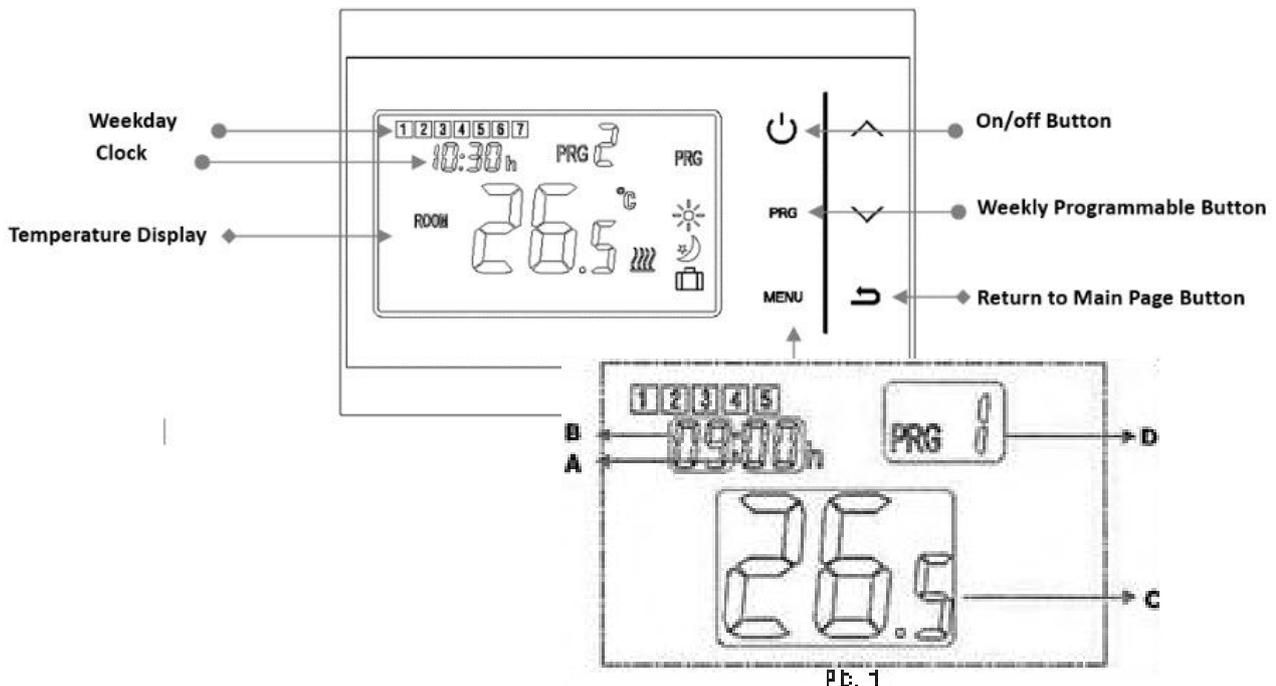
Key Features

• Large clear display with backlight
• 2xAAA battery (thermostat)
• 4 periods of each day programmable (5+1+1)
• Surface mounting with Easy to fit thermostat and receiver.
• Six capacitive touch buttons for ease of operation.
• Set temperature, measured temperature, time displayed
• Temperature display in degrees Celsius.
• RF frequency: 868Mhz
• CE, ROHS approved

Technical Data

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

Displays & Buttons

Weekday
Clock
Temperature Display

On/off Button
Weekly Programmable Button
MENU
Return to Main Page Button

PRG

Pic. 1

1) The weekday is fixed from Monday to Sunday(l -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:

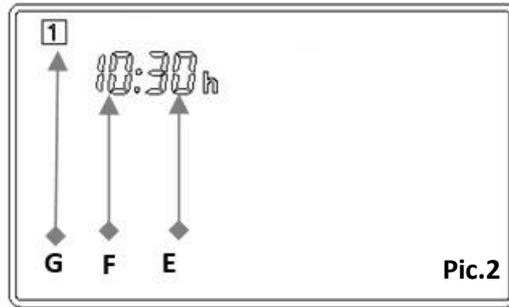|	Monday to Friday				Saturday				Sunday			
Period	1	2	3	4	1	2	3	4	1	2	3	4
Time	6:30	8:00	18:00	22:30	8:00	10:00	18:00	23:00	9:00	12:00	19:00	23:45
Temp.	21°C	18°C	21°C	16°C	21°C	21°C	21°C	16°C	23°C	21°C	16°C	21°C

Advance Setting

Power off the sender, perform a long press on the "MENU" button until the screen illuminates. Then, utilize the "+" or "-" buttons to adjust the desired value.

Press "PRG" button to enter to next step.
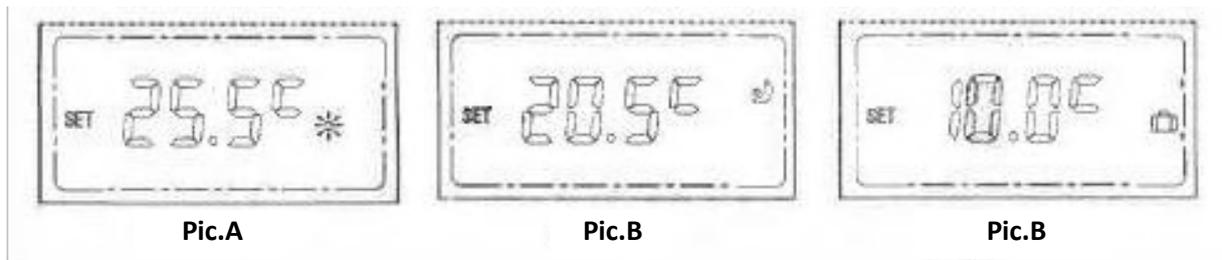
Time Adjust and Mode Temp. Setting

Menu	Description	Range	Default value
01	Temp. Calibration	-8 ~ +8 ℃ (in 0.5 ℃ increments)	0℃
02	Switching Sensitivity	0.5 ~ 5℃	0.5℃
03	Frost Protection Temp.	3~10 ℃/ - - （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 ℃	2℃
07	OWD Delay time select (Return to previous working status)	10-60 min	30 min
Address code	Pairing Code	/	4 digits
Software	Software version	/	/

Pic.2

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

1) Press Menu button and hold for 3 seconds, the minutes display flashes (E), change the values using the up and down buttons. (Each press is one minutes)

2) Press Menu, the hour display will flash (F), change the hour using the up and down buttons. (Each press is one hour)

3) Press Menu button, the day display will flash (G) as a number, change this value using the up and down buttons. Use 1 for Monday; 2 for Tuesday; 3 for Wednesday; 4 for Thursday; 5 for Friday; 6 for Saturday; 7 for Sunday.

After the time and day are set, you can continue following steps to pre-set the temperature modes.

| Pic.A | Pic.B | Pic.B |

1) Press Menu button, for comfort mode temp. Display flashes (Pic.A), change the values using the up and down buttons.

2) Press Menu button, for Energy-saving mode temp. Display flashes (Pic.B), change the values using the up and down buttons.

3) Press Menu button, for holiday mode temp. Display flash (Pic.C), change the values using the up and down buttons.

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

The energy-saving function is display as a Symbol (e.g.20.5℃) ☾

The holiday function is display as a   (e.g.10℃)   🧳

Temperature Calibration

Calibrating the measured temperature is a straightforward process. It is recommended to utilize the measured temperature only if it deviates from the expected range, which may occur if the thermostat is placed in a drawer or a similar location.

To calibrate the temperature, follow these steps:
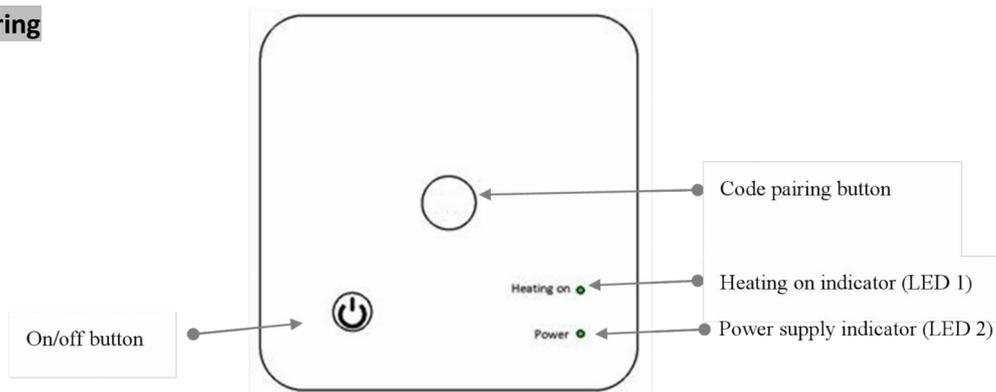
Turn off the thermostat.

Press and hold the Menu button for 3 seconds. This will display the code 0007 (ID code) in the top-left corner of the screen.

Use the up and down buttons to set the desired temperature value. The adjustment range is between -8 to +8 .

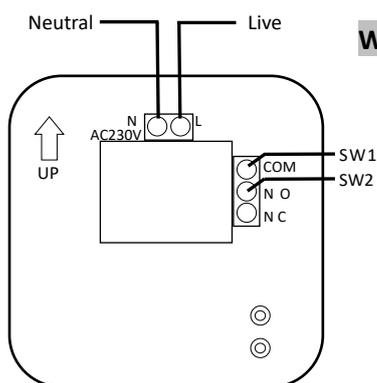Press the menu button again to save the calibrated temperature and exit the menu.

By following these instructions, you can easily calibrate the measured temperature on the thermostat.

Code Pairing

On/off button

Code pairing button

Heating on — Heating on indicator (LED 1)
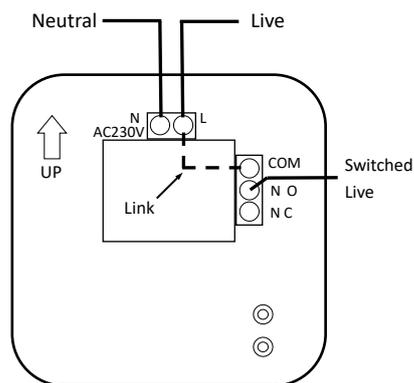
Power — Power supply indicator (LED 2)

1. Ensure power is switched off on the receiver before carrying out the pairing procedure.

2. Perform a long press on the code pairing button located on the receiver until you observe LED 1 rapidly flickering.

3. Power off the sender, then long press the Menu button until the LCD screen illuminates. Press the Menu button once more until the address code is displayed.

4. Press either the Up or Down button or wait momentarily until LED 1 ceases flickering. This signifies that the code pairing process has been successfully completed.

*Before connecting the receiver to the boiler, **make sure** that you have followed the boiler external thermostat connection instructions. **A mains connection to a volt-free terminal could damage the boiler circuitry.***

Wiring Diagram

Wiring for volt-free switching:

Connect 230V AC Live and Neutral to L & N

Connect the volt-free boiler connections (SW1 / SW2) to COM & N O (common and normally open)

Do not connect anything to terminal N C

Wiring for mains switching:

Connect 230V AC Live and Neutral to L & N

Fit a short link wire between L & COM

Connect the (230V mains) switched live to N O

Do not connect anything to terminal N C

Dimensions

24.1

119.8

85.2