

Wireless Room Thermostat

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



Functions

- ✓ Large display can be clearly read with the background lighting.
- ✓ Easy to fit thermostat and receiver.
- ✓ Six buttons make it easy to use.
- ✓ 4 periods of each day programmable(5+1+1)
- ✓ The display shows the set temperature as well as the measured temperature, time.
- ✓ Temperature display in degrees Celsius.
- ✓ The thermostat is supplied with a wall-fixing frame, base and a very compact receiver (surface-mounted).

Technical Data

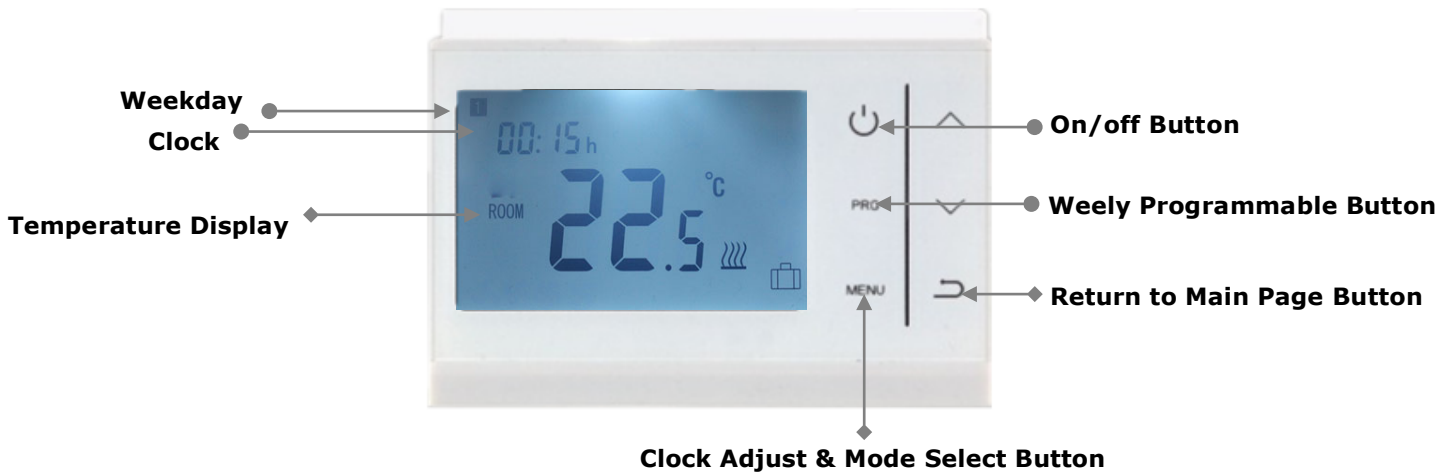
Thermostat Operating Voltage:	2 x AAA 1.5 V, alkaline batteries.
Backup Storage:	EEPROM
Receiver Current Load:	220V/10A
Frequency:	868 MHz.
Channel selection:	By programming the thermostat and the receiver.
Switching options:	5+1+1 day, 4 periods each day.
Receiver switch contacts:	NO and NC.
Temperature settings:	5°C ~ 40°C, 0.5°C increments.
Accuracy:	+/- 0.5°C (+/- 1°F).
Thermostat dimensions:	Surface mounted, 135mm x 88 mm x 22mm.
Receiver dimensions:	Surface mounted, 86mm x 86 mm x 18mm.
Color:	White
IP protection rating:	20.
Certification:	CE.

Wireless Room Thermostat

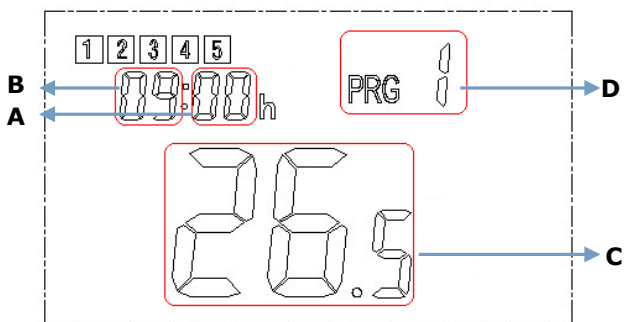
Mechanical Design

The unit consists of two parts:

- A plastic housing with digital display, which accommodates the electronics, the operating elements and the built-in room temperatures sensor.
- A mounting base. The housing engages in the mounting base and snaps on. The base carries the screw terminals.



RRG. Schedule Setting



Pic. 1

The weekday is fixed from Monday to Sunday(1~7), each schedule have 4 periods(1~4). Each press of **PRG** button can into next item setting.

2

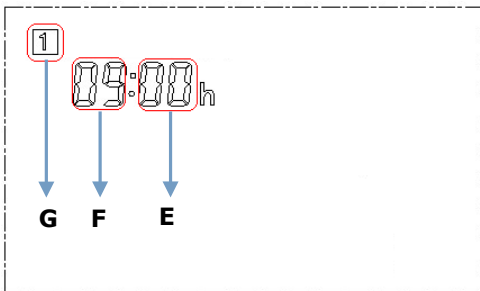
- 1) Press **PRG** and hold for 3 seconds, the minutes flash(A), change the values by up and down button.
- 2) Press **PRG**, the hour digit flash (B) , change the values by up and down button.
- 3) Press **PRG**, the temp. digit flash (C), change the values by up and down button.
- 3) Press **PRG**, the PRG digit (D) change to **PRG 2** automatically. The minutes of PRG 2 flash. Repeat the same method to set the time and temp. of each period.
- 4) After schedule done, press **Return Button** to main display.

Wireless Room Thermostat

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	0:00
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

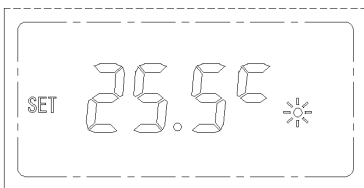
Time Adjust and Mode Temp. Setting



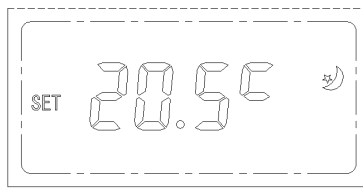
To set the time and day with following steps(Pic.2):

- 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** button, the hour display 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. Use 1 for Monday; 2 for Tuesday, 3 for Wednesday, 4 for Thursday, 5 for Friday, 6 for Saturday, 7 for Sunday.

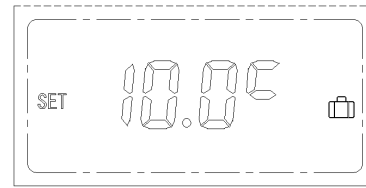
After time and day adjust, you can continue following step to pre-set the mode temp.



Pic.A



Pic.B



Pic.C

- 4). Press **Menu** button, the comfort mode temp. display flash(**Pic.A**), change the values by up and down button.
- 5). Press **Menu** button, the Energy-saving mode temp. display flash(**Pic.B**), change the values by up and down button.
- 5). Press **Menu** button, the Holiday mode temp. display flash(**Pic.C**), change the values by up and down button.

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

The energy-saving function is displayed as a 🌙 symbol (e. g. 20.5°C).

The holiday function is displayed as a 🧳 symbol (e.g. 10°C).

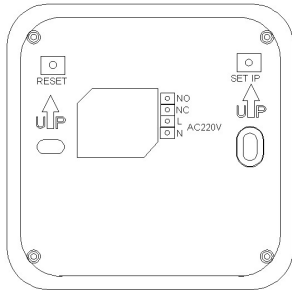
Temp. Calibration

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

Wireless Room Thermostat

- 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 adjusted by -8 to +8°C.
- Press the **Menu** button on the thermostat to save this function and leave the menu

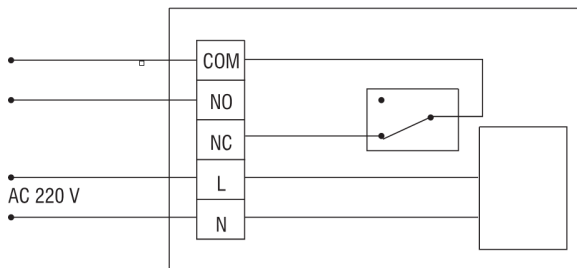
IP Address Setting



The thermostat and the receiver have a binary code with which the channel can be set. The receiver has a ID study button to link it with the thermostat, which in turn has a button to link it. This linking has usually already been activated. Should this not be the case, the following steps can be taken.

- 1). Press the IP SET button on the receiver ; the green LED light(**G**) will flash .
- 2). Turn off transmitter, press and hold the **Menu** button on the thermostat for 3 seconds. You will hear a buzzing sound and the LED light(**G**) on the receiver will stop blinking.
- 3). The location (channel) will be shown on the thermostat display, press **Menu** button again. The thermostat and the receiver are now linked.

Wiring Diagram



Receiver Size

