In-Built Thermostat User Manual

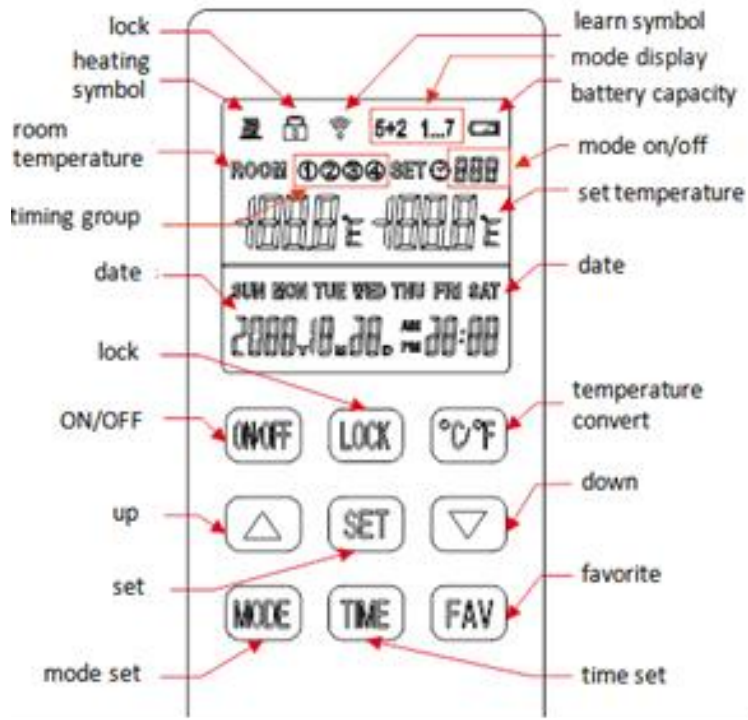**Technical Specification Of Remote Control Thermostat:**

- Battery Usage: 2 x AAA Batteries
- Power Consumption: 3V/0.1mA
- Set Temperature Range: 0°C – 45°C
- Room Temperature Range: 0°C – 50°C
- Accuracy Of Temperature Measured: 0.5°C
- Working Environment Range: 1°C – 50°C
- Dimensions: L 135mm x W 56mm x H 18mm
- Weight: 86g
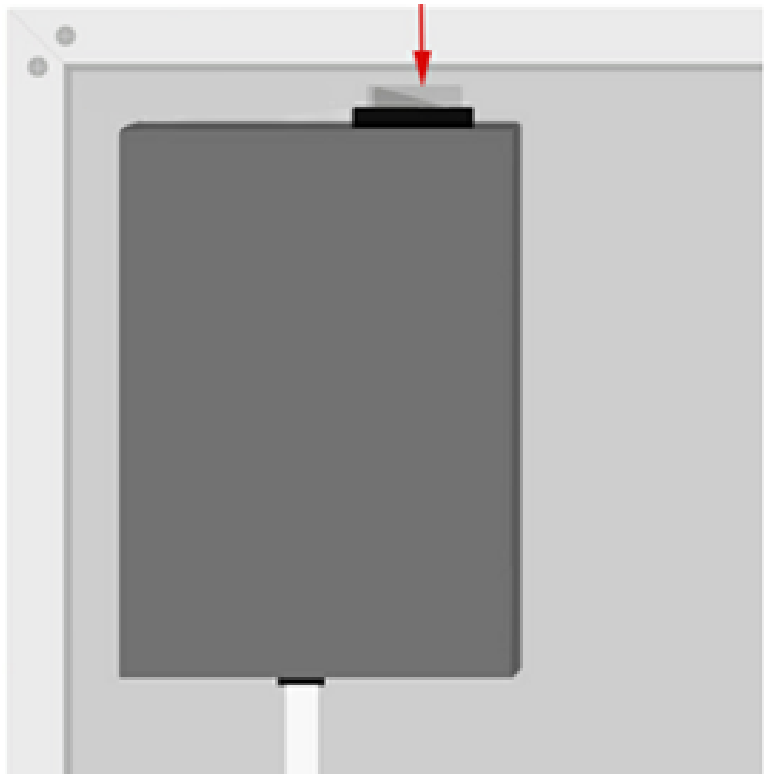- Radio Frequency: 433.92MHz

Technical Data Of Built-In Receiver:

- Power Supply: AC220-240V, 50/60 Hz
- Power Consumption: 0.4W
- You can override the remote control via a switch on the receiver.

Introduction

- The heater will come with a remote control which uses a digital display.
- The remote control acquires the room temperature via an inbuilt temperature sensor. This is then sent to the receiver to turn off/on the heater as the ambient air temperature changes which maintains the constant room temperature.
- When the room temperature is 0.5°C higher than the SET temperature the remote controller will tell the heater to turn off, if it is 0.5°C under the SET temperature the remote controller will tell the heater to turn on.
- The display on the remote controller shows the SET temperature as well as the ROOM temperature, clock and date.
- This remote controller has weekly programmable time settings, a favourite temperature and temperature functions.
- Keypad child lock to prevent misuse or tamper.

If the green switch is turned ON, this will disable the handheld controller.

How To Use The Remote Controller

1. Turn on the heater and press the ON/OFF button on the remote controller. Press and hold the °C/°F and MODE button together to pair the remote control. If the remote control pairs successfully you will hear a beep from the heater.

NOTE: The pairing should be completed within a minute of a turning the heater on.

To restart the pairing sequence, turn the heater on/off at the switch/socket it is plugged/wired into.

Please turn off the heaters that you do not want to pair with the remote before pairing.

Please make sure the green switch on the back of the heater is turned OFF after pairing to allow you to use the remote control.

2. Press the ON/OFF button the remote controller to turn the heater ON/OFF.

   NOTE: If you press the ON/OFF button on the remote controller to turn it off, the display will only show the room temperature and OFF. This means that the receiver has turned the heater off and not that the remote controller has stopped working, the time and temperatures will still be read when the remote is off.

3. Press and hold the LOCK button for 3 seconds to activate/deactivate the lock.
4. Press the °C/°F to convert temperature from Celsius to Fahrenheit.
5. Press and hold the TIME button for 3 seconds to set the year, month, date and the time with the UP and DOWN buttons.
6. Press the UP and DOWN buttons to set your target temperature. During your weekly time settings you can use the UP and DOWN buttons to 'boost' the heat and it will revert back to your weekly settings when the next time slot begins.
7. Press and hold the FAV button for 3 seconds until the set temperature icon flashes, press the UP and DOWN buttons to set a favourite temperature and press FAV to confirm.
8. Press the MODE and TIME buttons at the same time to select 5+2 or 1 – 7 for programming modes.
9. Press and hold the MODE button for 3 seconds to turn the programming mode on or off.
10. Press and hold the SET button for 3 – 5 seconds to enter the programming mode.
    NOTE: The programming mode has a timeout of 3 – 5 seconds if no buttons are pressed.

How To Program Your Controller

5+2 Programming Mode:

You can program the thermostat to fit your lifestyle – week and weekend, plus up to 4 groups of intervals per day.

1. Once in 5+2 mode, press and hold the SET button for 3 – 5 seconds until Program Icon 1 and MON TUE WED THU FRI is displayed with ON and TIME icon flashing on the screen.
2. Press the UP arrow to adjust the hour and press the DOWN arrow to adjust the minute to set the starting time of Program 1.
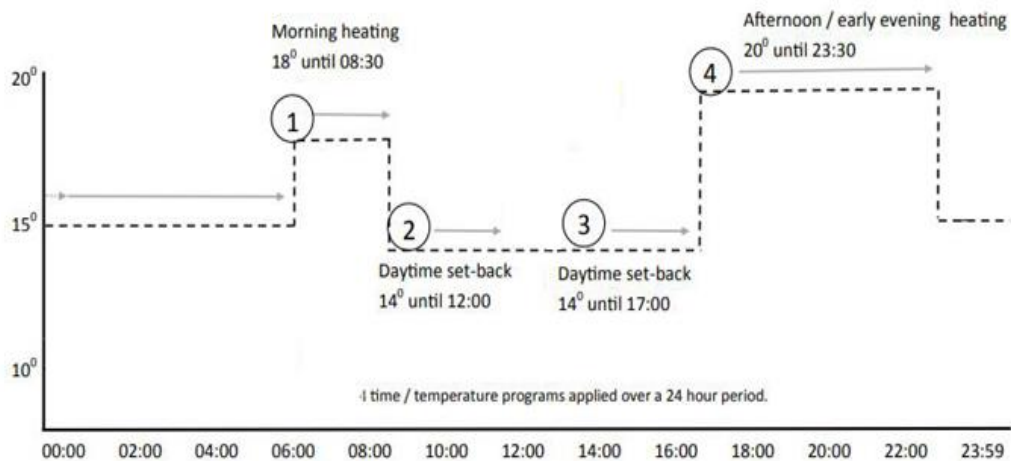
3. Press the SET button once and the OFF icon will flash. Use the UP arrow to adjust the hour and the DOWN arrow to adjust the minutes to set the ending time of program 1.
4. Press the SET button again and set the temperature using the UP and DOWN arrow.
5. Press the SET button to bring up program 2 of the week days and repeat steps 2 – 5. Do this for Programs 3 and 4 too.
6. After setting up program 4, press the SET button to bring up SAT and SUN settings. Repeat steps 2 – 5 for the weekend programming.

1 – 7 Programming:

You can program the thermostat every day with 2 time slot settings per day. Once in 1 – 7 mode, press and hold the SET button for 3 – 5 seconds until program 1 and MON is displayed with ON and the time icon flashing. Follow the above steps of 2 – 4 to set the On/Off times and temperatures for program 1 and 2 from Monday to Friday.

Tips:

1. The default starting time is 00:00, the ending time is 00:00 and the default operating temperature is 15°C.
2. If the user does not adjust the default on/off times of 00:00, the program settings will not be valid.
3. The running time of programs 1,2,3,4 should not be overlapped. The ending time of each program must be later than the starting time otherwise this will make the programs invalid and they will not work.
4. In 5+2 mode, if you do not want to set a mid-day heating period (program 2 or 3) simply set program 2 or 3 to a lower temperature than the default setting with very short time intervals, an example is shown below.

5. The programmed time/temperature settings will be restored when the next program starts.
6. Once you have set up the programs, the thermostat will work when the programming mode is set as ON, even if the thermostat is turned off. The heater will then be switched on or off according to the programming setting.

Notes

1. All settings need to re-set after the batteries are changed.
2. Check if the set temperature is higher than the room temperature first to see if the remote controller is paired to the heater.
3. Do not cover the temperature sensor at the top of the remote controller.
4. Do not put the remote controller into a drawer.
5. Make sure to take the batteries out of the remote control when you aren't using it for long periods of time.