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K. Specification

Frequency:	868Mhz
Temperature Measurement:	0°C~40°C
Accuracy:	±0.5°C
Temperature Controllable Range:	5°C~35°C
Resolution:	0.5°C
Power Supply:	2 x AAA alkaline batteries
Operating Temperature:	0°C~50°C
Storage Temperature:	-5°C~50°C
Sensing Element:	NTC thermistor
Classification of control:	Class II
Purpose of control:	Micro-disconnection on operation
Electronic control:	Type 1.B
Receiver—Input voltage:	240Vac 50/60Hz
Receiver—Output Rating:	240Vac 13A (max.)



SEPARATE COLLECTION FOR ELECTRICAL
AND ELECTRONIC EQUIPMENT WASTE.

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RF Programmable Thermostat

1. The system includes one wireless thermostat controller plus one RF receiver Plug.
2. Transmits up to 20 meter indoor
3. Communicates at 868MHz(Europe Standard) and designed for unlicensed operation under FCC Part 15.

Notice:

1. Before the installation, check the RF communication. (Receiver receives on/off msgs) If the communication is not good, relocate the receiver and transmitter location.
2. If the Receiver / Transmitter fails to communicate set another address code which must match in both Transmitter & Receiver Units
3. It is recommended locate at least 30cm distance from any metal objects (including the metal box) and at least 2 meter from any electronic devices e.g. radio TV, PC, etc. The metal objects or electronic devices may cause Interference and the maximum distance will be shorter.
4. To have the best communication, locate the receiver at a direction facing to the transmitter.

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1. Installation Location:

Transmitter: should be mounted on an inner wall ~1.5m above the floor in position where it is readily affected by change of the room temperature with freely circulating air. Do not place the unit at a location where air circulation is low, or where it has great temperature changes (e.g. near door or heating source) irrespective of the current setting temperature.

Prevent direct exposure to sunlight; dripping or splashing area.



J. Temperature Setting for Current Mode

Simply press  or  once, and release. the setting temperature will be flashing.

Press  or  to adjust the setting temperature. The temperature will be saved for the current operation mode. (Comfort / Econ / Override)



Temperature Setting for Comfort Mode

Hold  until the temperature is flashing.

Press  or  to adjust the setting temperature. The temperature will be saved for the Comfort mode.

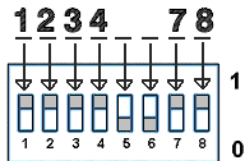
Temperature Setting for Econ Mode

Hold  until the temperature is flashing.

Press  or  to adjust the setting temperature. The temperature will be saved for the Econ mode

I. RF Address Matching

Example:



11110011

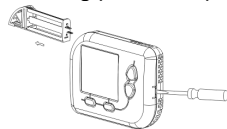
Transmitter

Receiver

**Address
Value**

15

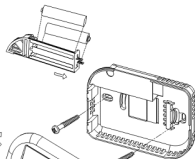
2. Mounting: Mounting (Transmitter):



- Pull out the battery drawer

- Use a screwdriver to press on the spot to detach the front shell

- Insert 2 pcs of wall anchors into the holes of the wall.



- Fasten the thermostat with 2 pcs of screws through the mounting holes.

- Assemble the front shell to the base.

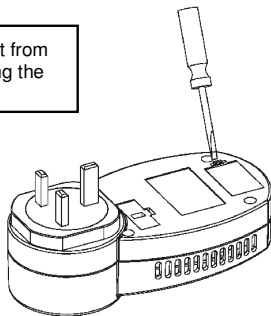
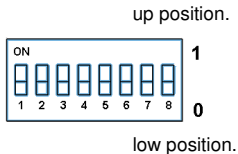
- Insert the battery drawer back to the position.

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3. Receiver Address Accessing

1. Pull out the door by using a screwdriver.
2. Set the RF address. The receiver RF address must match the transmitter RF address.
3. Close and press the door until hearing a “click” sound.

Warning: Disconnect from supply before opening the door.



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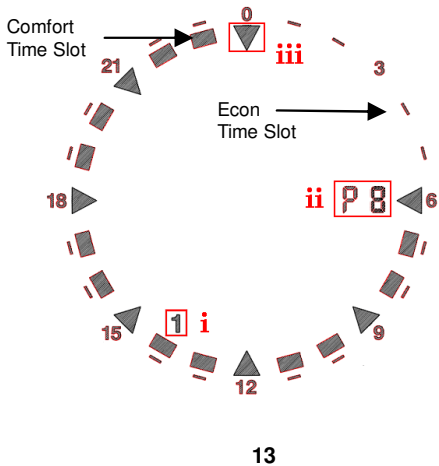
H. Internal Setting Mode:

Hold **PROG** and **←/→** key to enter internal setting.

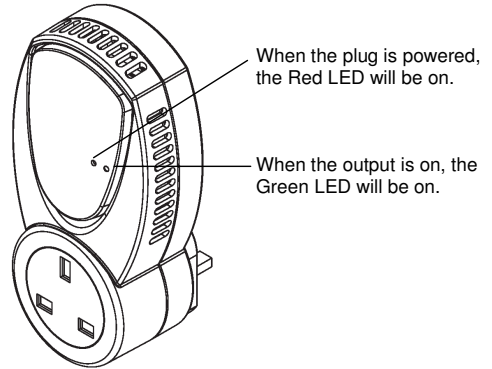
Press **⊙** or **⊙** to switch between items and press **←/→** to confirm.

System Mode: HE – Heat mode (default value) CL – Cool mode	545
Display Unit: 12 – 12 hour display unit (default) 24 – 24 hour display unit	Hr
Minimum Off Delay: Sd – Short delay (default value) Ld – Long delay (5 min)	dLY
Temperature Calibration: -3, -2.5, 2...0(default)...2, 2.5, 3°C	CAL
RF Address 00000000 – 11111111 (default)	Rdr

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Receiver LED Indication



B. Key Interface



Keys	Function
	Up / Comfort
	Down / Econ
	Program
	Override / Enter

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G. Program Setting Mode:

Press to enter program setting mode.

i) Press or to select weekday for assigning a program. Press to confirm. The program number will be flashing.

ii) Press or to select the program number. P0 – P7 are the default programs and P8 – P15 are the editable programs. Press to confirm.

iii) If P0 – P7 has been selected, the program assignment for the selected weekday is finished. If P8-P15 is selected, the time slot at the top will be flashing. Press or to locate the cursor.

Press to confirm.

Press to assign Comfort time slot and for Econ time slot. Press to confirm.

Press for exit after the setting is finished.

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F. Time Setting Mode:

Hold and to go to time setting mode.

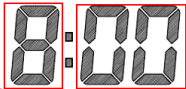
i) Press or to adjust "weekday".
Press to confirm.

ii) Press or to adjust "hour".
Press to confirm.

iii) Repeat the same process for "minute".

Press for exit after the time setting is done.

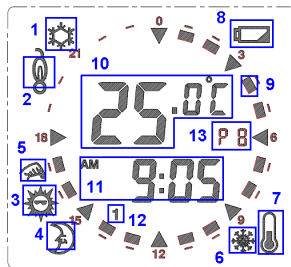
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C. LCD Interface





1. Cool
2. Heat
3. Comfort Mode
4. Econ Mode
5. Override
6. Defrost(<5°C)
7. Output On
8. Low Battery
9. Time Slot
- .Black – Comfort
- Nothing - Econ
10. Temperature
11. Time
12. Day
13. Program Number

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D. Start/Reset:

1. Place 2 pcs AAA 1.5V alkaline batteries according to the polarities marked.
2. LCD display will be switched on.

If there are any display or functional errors, please remove the batteries for about 30 sec to reset the thermostat.
3. Temperature detection starts and LCD displays the room temperature.
4.  will be flashing if Battery is LOW. Replace the battery immediately.
5. Defrost function is activated with  displayed when temperature is 5°C or below. Output will be ON @ Heat mode & OFF @ Cool mode.
6. LCD will display **Lo** if temperature is below 0°C,
7. LCD will display **Hi** if temperature is above 40°C,
8. Insert the receiver plug to power socket.

E. Operation Mode:

1. Program Mode



The thermostat controls the room temperature according to the programs. Each program contains its time slot pattern. The thermostat runs Comfort or Econ mode according to the current time slot (Comfort or Econ).

2. Temporary Override Mode




The thermostat controls the room temperature according to the override temperature temporarily, and returns to Program mode for the next Comfort or Econ mode transition.

3. Permanent Override Mode



The thermostat controls the room temperature only according to the override temperature.

Simply press  key to switch between the 3 operation modes.