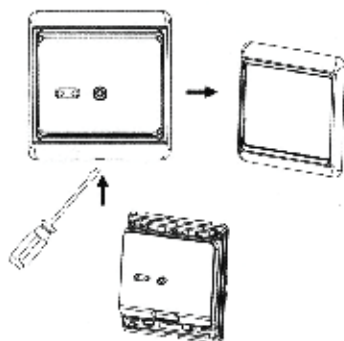
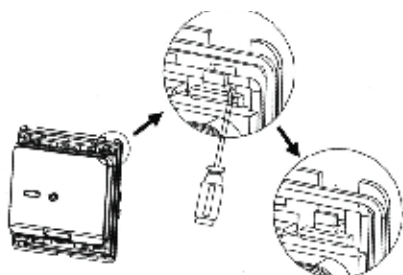


Receiver Mounting Steps:

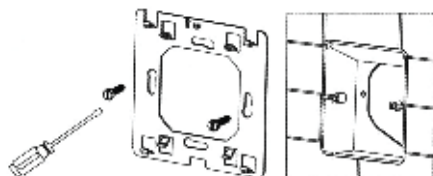
1. Release the front cover by inserting a screwdriver into the bottom crack.



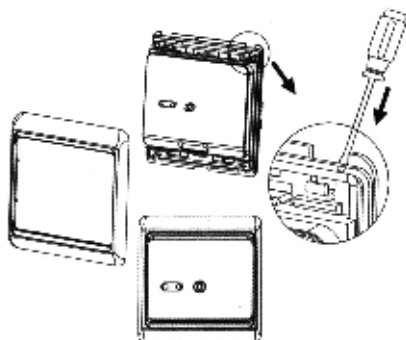
2. Take the back plate apart as shown in the diagram.



3. Mount the back plate to the 37mm deep wall box.

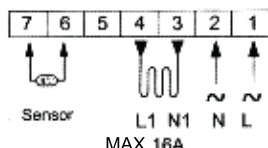


4. After connecting the wires (see diagram below) the thermostat is assembled as shown.



E8.416RF

Max 3200W load.



Parameter:

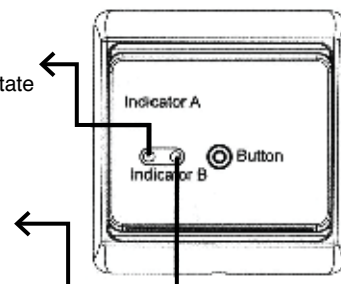
Voltage: 230V
Power Consumption: 2w
Wireless Frequency Output: 433MHz
Max Switching Capacity: 16amps/3200w
Effective Transmission Distance: 200m empty space
External Limitation Value: 30, 40, 50°C adjustable
Factory Setting: 30°C
Limitation Switch Differential: -2°C
Ambient Temperature: -5 – 50°C
Protective Housing: Ip20
Housing Material: Anti-flammable PC

Indicator A

Red long bright = Power
Red light flashing = Receiving data
Green light flashing = Code pairing state

Indicator B

Green long bright: Heating on
Red long bright: Limitation active
Red light flashing: Sensor error
Green light flashing: Selected the limitation value



IMPORTANT:

The indicator A is red when power is on.
The indicator A is red and flashing when receiving the wireless data.
The indicator A is green and flashing when entering the code pairing.

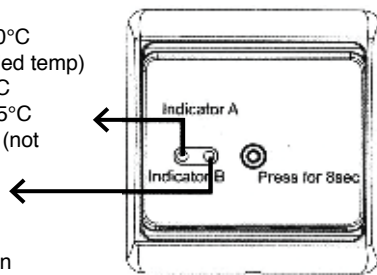
The indicator B is green when the heating is on
The indicator B is red when setting the external limitation.
The indicator B is red and flashing when there is a sensor error.
The indicator B is green and flashing when the floor temperature limitation value is exceeded.

Indicator A

Green = Floor temp limited to 30°C (factory default and recommended temp)
Red = Floor temp limited to 40°C
Yellow = Floor temp limited to 55°C
None = Floor temp limitation off (not recommended)

Indicator B

Green flashing entering limitation value selected



Limitation Values – As the unit is preset for 30°C we recommend this is left unchanged:

Press the button for 8 seconds until the indicator B green light is flashing when in power on, that means entering the external limitation is selected. Indicator A green shows floor temperature limited to 30°C. Indicator A red shows floor temperature limited to 40°C. Indicator A yellow shows floor temperature limited to 55°C. Indicator A without light shows floor temperature limitation off. Press the button softly and cycle selected in these four states. It will save the current setting automatically without pressing for 8 seconds and quit the limitation value set.

Code Pairing Method (Both transmitter and receiver should be activated at the same time for pairing – see also transmitter instructions):

A) Transmitter: In off mode press the MENU and the ON button together to enter the advanced setting mode. Press the menu key again until the fifth item 5Cod appears.

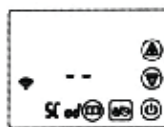


B) Receiver: Press the button for 5 seconds only (this is important as longer will enter limitation selection) then release. Indicator A will be green and flashing, entering the code pairing state.

C) Transmitter: Press the "+" key to start code pairing. (Within 5 seconds of B, i.e., when green light is flashing on the Receiver)

D) Receiver: When code pairing has been successful it will quit immediately to a red light.

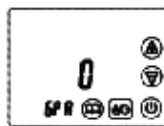
E) Transmitter: Press the OFF button to exit advanced settings mode.



5 COD start to code pairing

Press "+" to start code pairing with the receiver

LCD display "-" symbol will flash 3 times.



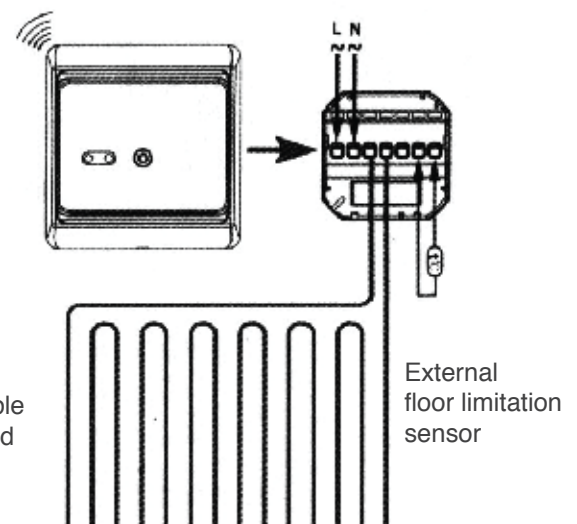
6 PA Select the wireless transmission power

Press "+" or "-" to modify the power Set range: 0-3, 0 is Min, 3 is Max

Press the "off" key to quit the advanced setting.



If there is more than one receiver to pair with a single transmitter please contact customer services.



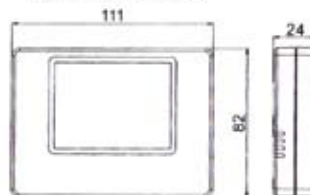
Transmitter



Receiver



Dimension size:mm

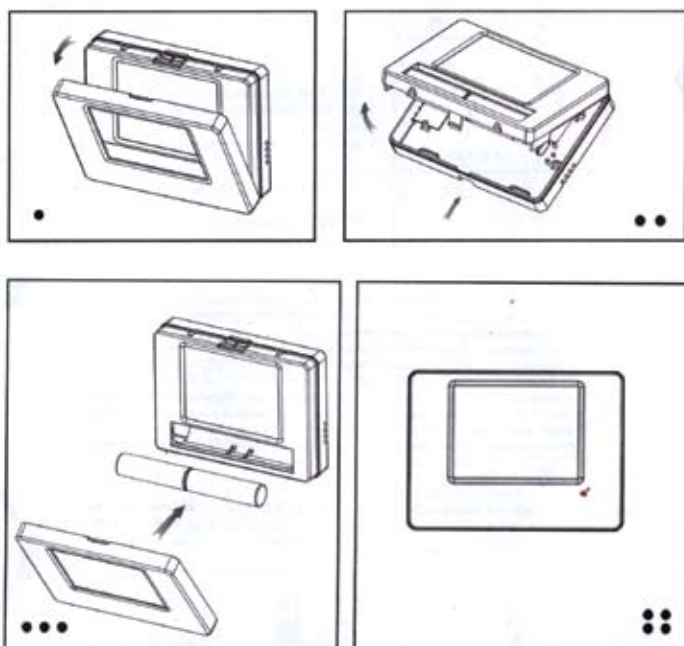


Symbols Explained:

Simple touchscreen large LCD screen with white backlight



Transmitter Mounting:



The transmitter should be installed in the room with the floor heating – if this is a bathroom or kitchen, in a position away from direct steam and water. (Note – it's easier to fix the transmitter in it's final location after the unit has been paired with the receiver.)

The transmitter reads the air temperature in the room and the receiver has a maximum floor temperature limitation control.

Touch key:



Menu



Manual/Clock



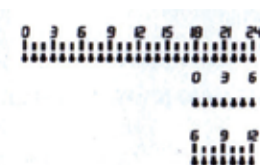
On/Off



Decrease



Increase



0 ~ 24 number is for 24 hours each day

Energy saving mode

Comfort mode

Weekly programming

1 2 3 4 5 6 7 Monday to Sunday

Parameter:

Power supply: DC3V, 2 x AA batteries Wireless

frequency: 433MHz

Measuring range: 0 - 95°C

Setting range: 5 - 90°C

Switching differential: 0.5 ~ 5°C adjustable

(Factory setting: 1°C)

Sensor: Internal NTC sensor.

Control Modes: Manual temperature control, periods programming control:

-  Manual temperature control: thermostat will control room temperature according to manual set temperature.
-  There are 6 preset programs to choose from or a 7th programmable one.

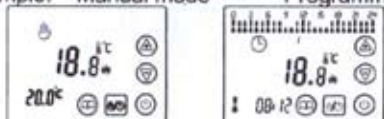
Simple Operation Steps:

-  On /Off:
Press on/off key to choose on/off
Switch on: Display the full screen to last work mode before switch off.
Switch off: Display OFF also switches off heating.



-  Press this key to switch between manual mode and programming mode.

For example: Manual mode Programme mode



-  Setting value decrease key (-)
Pressing this key will enter manual mode to adjust temperature value down.
Press once again, setting value will decrease 0.5°C every press.
Press this key for more than 3 seconds, will be continuously decreased by 0.5°C until finger is removed.
-  Setting value increase key (+)
Pressing this key will enter manual mode to adjust temperature value up.
Press once again, setting value will increase 0.5°C every press.
Press this key for more than 3 seconds, will be continuously increased by 0.5°C until

finger is removed.

-  Adjust date and clock
Press this key for 10 seconds until minutes flash, press + or - key to adjust minutes.
Press this key once, press + or - key to adjust current hour.
Press this key once, press + or - key to adjust day. (Mon = 1, Sun = 7).

Key-lock Function:

-  Key Lock: Press + and - key simultaneously until  symbol shows.



Key Unlock: Press + and - key simultaneously until  symbol disappears.

Advanced Setting (Qualified Person Preferred):

Usually finished at mounting thermostat.
Press menu key and on/off button (whilst unit is off) simultaneously to switch on the thermostat to enter advanced settings.

-  1ADJ: Temperature calibration
Press + or - key to adjust present checked value Adjustable scale: $\pm 9.9^{\circ}\text{C}$
Re-press menu key to enter next advanced setting step.
-  2DIT: Switch differential setting
Press + or - key to change switch differential Setting range: $0.5 \sim 5.0^{\circ}\text{C}$.
Re-press menu key to enter next advanced setting step
-  3LTP: Start anti-frozen function in power off.
Press + or - key to change the present anti-frozen state.
Re-press menu key to enter next advanced setting step



4PRG: Open/close programme and clock function

Press + or - key to open/close the programme and clock function.
Re-press menu key to enter next advanced setting step



5COD: Start the pairing code

Press + key to start pairing code with receiver.

Re-press menu key to enter next advanced setting step.



6PA: Wireless frequency power

Press + or - key to modify the wireless frequency power.

Setting range: 0-3, 0=Min, 3=Max

Re-press menu key to enter next advanced setting step



7FAC Reset to factory setting

Press + key for 5 seconds until display-reset to factory setting.

Re-press menu key to enter next advanced setting step.

Press Off key to quit advanced setting for saving.

Simple Preset Program Operation:

- Press menu for 10 seconds to enter the event programming mode. At this time press + or - key to choose factory pre-sets (P1 - P6) as follows: -

No.	Work day programme	Rest day programme	Application description
P1	0 3 5 9 12 15 18 21 24	Rest day same as work day	7 day comfort
P2	0 3 5 9 12 15 18 21 24	0 3 5 9 12 15 18 21 24	For residential 5+2d
P3	0 3 5 9 12 15 18 21 24	0 3 5 9 12 15 18 21 24	For residential 6+1d
P4	0 3 5 9 12 15 18 21 24	❄ Anti-frozen protection mode	Double day off work mode. For office 6+1d
P5	0 3 5 9 12 15 18 21 24	❄ Anti-frozen protection mode	Single day off work mode. For office 6d
P6	0 3 5 9 12 15 18 21 24	Rest day same as work day	For energy saving operating 7d

P1: 1~7 day (one week) is all works mode, 24 hours a day in comfort mode to suit malls, hotels

and nursing homes etc. P1 is the factory default setting.

P2: Used for residential and is on twice per day Monday to Friday. Saturday and Sunday are rest days and the heating is on through the day.

P3: Used for residential and is on twice per day Monday to Saturday. Sunday is the rest day and the heating is on through the day.

P4: Used in shops and offices where Monday to Friday are work days, during works daytime comfort mode is on. Saturday and Sunday are rest days and the heating is off.

P5: Used in shops and offices where Monday to Saturday are work days, during works daytime comfort mode is on. Sunday is the rest day and the heating is off.

P6: Similar to P1 which is used when high comfortable temperatures are not required.

If any of the above presets meets your requirements, then you only need to choose the corresponding program and you don't need to set the process yourself.

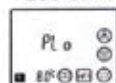
Energy Saving and Comfort Temperature Setting:

- When in program mode, the energy-saving and comfort temperature can be adjusted as follows: -



Press + or - key to adjust the comfort temperature, the factory setting is 20°C

Press menu key again to enter to energy-saving temperature date, LCD screen as following:



Press + or - key to adjust the energy-saving temperature, the factory setting is 16°C

When you have selected a program, press menu once and PHi will appear. PHi is for on periods and the temperature can be adjusted with + or -. Press menu once more and adjust PLo (off periods) temperature in the same way.

P7: When you have selected a program, press menu once to adjust temperature as required. PHi is for on periods and the temperature can be adjusted with + or -. Press menu once more and adjust PLo (off periods) the same way.

Set up own program:

Should the factory preset programs (P1 - P6) not satisfy your requirements, you can modify P7 as your own program setting.

Operation method:

1. Press the menu button for 10 seconds and the programme number will come up. With the plus key change this to 7.
2. Now press the menu button once and 'Phi' will appear - this is your 'on' temperature setting and you can alter the setting in the bottom left hand with the + or - buttons.
3. Now press the menu button again and 'Plo' will appear - this is your 'off' temperature setting, so it needs to be low so that the heating doesn't come on, or say 15C so it will only come on during off periods if the room gets too cold.
4. Now press the menu button once more to get back to 7.
5. Whilst in program 7, to set the times for the heating to be on and off - hold the program/manual button down for 5 seconds and this will enter day 1 on/off period settings. You will note that there are 2 rows of dots, when the upper dots are there, the timerstat will take the temperature to your Phi (on temperature) and when only the bottom dots are there, the timerstat will only heat when the temperature is below your Plo (off temperature).
6. So for example, if you want the heating to come on at 6am press the minus button to eliminate the upper dots until you get to 6am and then press the + button to leave the upper dots in place to cover the time period that the heating is required to be on.
7. So at say 9am press the minus button to remove the upper dots until the next time that heating is required when you will press the + button again.
8. When you get to 24 hours, you can continue to press + or - buttons to go through day 1 again to correct any mistakes, or press the program/manual button to go to day 2 and repeat the on and off settings as before or as required.
9. You will need to set each day.