



WiFi Colour Touch Screen Thermostat



User Manual

www.romaheating.co.uk

V0122

Roma WiFi Colour Touch Screen Thermostat

- The colour touch screen thermostat is designed for electric floor heating or water heating systems. Equipped with the latest 4.3 inch colour touch LCD display, the thermostat can be easily operated and understood. The thermostat is fully programmable to automate your heating, can be used in a simple manual mode or controlled remotely on a phone or tablet using the Smart Life APP.

- With five modes, these instructions will explain how to set your system to work in accordance with your lifestyle. This is done by pre-setting your preferred temperatures into the 7 days easy programmable function.

- Simple regulation with advanced programming sends commands to the heating system according to a pre-selected temperature variation. The thermostat control algorithm also includes an anticipation function which reduces the discrepancy between the thermostat reading and the temperature at the centre of the room. This helps save energy and make for a more even and comfortable room temperature.

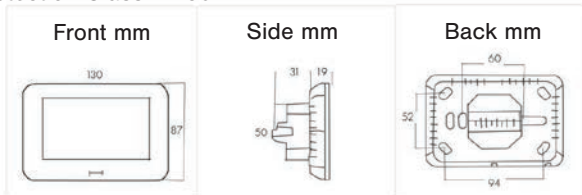
- Choose from multiple sensor settings: Air temperature, Floor temperature and ambient (a combination of both air and floor sensors working together). Air temp is controlled through the built-in air temperature sensor and floor is controlled via the included external floor probe.

Thermostat Features

- Advanced 4.3 inch Colour Touch Screen Operation
- Adjustable Screen Brightness For On And Sleep Modes
- Electric Heating System (Max. 16A) or Water Heating System Max.3A)
- WiFi control with Smart Life APP.
- Adjustable Comfort Mode, Economy Mode, Party Mode, Holiday Mode and Automatic Programme Mode Control
- 7 Days Programmable settings
- External and Internal Sensors
- Clock and Day Display
- Temperature Calibration
- Temperature Protection
- Fits Standard 1G Deep Back Box

Technical Data

- Voltage: 230V, 50/60Hz
- Load: 16A Max)
- Temp.Setting Range: 5 - 45 °C
- Ambient :0 - 50°C
- Sensor: NTC10K. 3950ohms at 25°C
- Accuracy: - 0.5 °c
- Protection Class : IP30



Screen and Display

Home Screen



Menu Screen



Mode Screen








Home Screen

1	ON/OFF	Use to turn thermostat on/off
2	Mode Button	Use to select working mode
3	Menu Button	Use to select menu settings
4	Down Button	Down button
5	Up Button	Up button
6	Wi-Fi	Wi-Fi connect button
7	Unregulated Temp	Shows 2nd temp not being regulated
8	Regulated Temp	Shows primary temp being regulated
9	Set Temp	Shows set temp (Range 5-45°C)
10	Selected Mode	Show current working mode
11	Time / Day	Current time & day of week
12	Floor Heating Up	When on power is going to heating

Menu Screen


13	Out Of Limit Warning	On if floor temp over protection limit
14	Lock	On when screen is locked
15	Wi-Fi Button	Use to set up Wi-Fi & Connect to APP
16	Date & Time	Set Weekday and Time
17	My Schedule	Set up automated heating schedule
18	Pre-Set Modes	Set 4 x Pre-set working temps / modes
19	Language	Select language (EL Units Only)
20	Hi / Low Protection	Set Max/Min Floor Temperatures

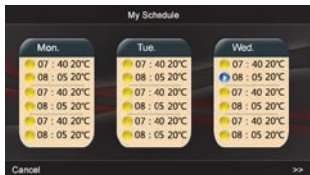
Mode Screen






21	Comfort Mode	Run Pre-set mode 1 = comfort	
22	Economy Mode	Run Pre-set mode 2 = economy	
23	Party Mode	Run Pre-set mode 3 = party	
24	Holiday Mode	Run Pre-set mode 4 = holiday	
25	My Schedule	Run My auto 7 day schedule	

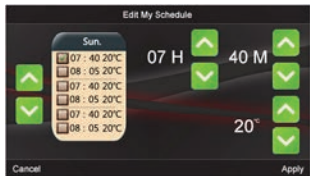
My Schedule Setting

The schedule can be set up directly on the thermostat using the touch screen, (see below) or remotely using WI-FI and the Smartlife APP. Please follow on screen instructions when using the APP.

Press Menu button, then press . You can then review your automated schedule. Touch any column to select it and make changes where necessary or press >> bottom right to move on to next 3 days.






To make changes to a selected column, use the green  and  on the left to select different zones for that day / column. Once the desired time zone is selected  use the green  and  on the right hand side to set the time and temperature for the selected zone.

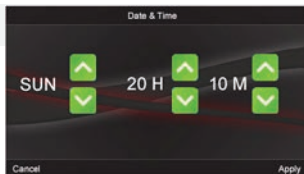


The time for each zone should be set in consecutive times throughout the day i.e. 7am – 8am – 9am – 14.30pm etc. The time must not skip forward then backward as you work down the time zones for each column. Once you have made changes press 'APPLY' to save changes. Then click cancel go back and select another day / column or cancel again to bring up the home screen. Once set the time and temperature in each zone will be held by the thermostat until the next time zone starts.






NOTE:  Must be selected for thermostat to run the auto schedule.

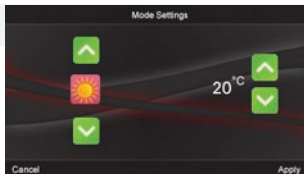
Edit Date and Time

Press Menu button, then press  you can now edit date & time with  or  buttons. Once set simply press" APPLY" to save the changes.




Pre-set Mode Temperatures

Press Menu button, then press  You can now pre-set the 4 different mode temperatures.  = Comfort,  = Holiday,  = Party,  = Economy. By pre-setting the temperature of each mode they can be selected quick and easily. The thermostat will then hold the setting until another mode or temperature is set.



Max / Min Temp Protection

Press Menu and then press . You can now set your maximum and minimum floor temperatures. These limits will turn the heating on or off should the floor probe temperature exceed these settings. NOTE: Only Low Protection will show if only air or floor sensor is being used. Both Air and Floor sensors need to be in operation for High Protection to show and be editable. Also these setting should be used in conjunction with "Set Point Max" and "Set Point Min" settings, see settings page 1 for more information on these settings.



Settings Pages.

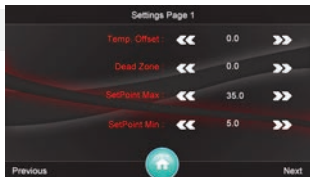
Depending upon how you use your thermostat and the type of heating system installed you may need to adjust the internal default settings on this thermostat. To access these settings,

- 1: Make sure the unit is in the ON position.
- 2: Press OFF in bottom right hand corner.
- 3: Confirm off by pressing OK in centre of screen.
- 4: Within 2 seconds press and hold on Time / Day top left hand corner of the screen for 5 seconds. NOTE: You need to press and hold on VERY top of screen where Time and Day is.


Settings Page 1.

Temperature Offset / Calibration.

This allows the temperature to be calibrated should the temperature displayed on the screen not be true to the actual air / floor temperature.



Dead Zone. This is the number of degrees above & below the set temperature the regulated temperature will be permitted to go before turning the heating off or on to keep the regulated temperature within these limits. We suggest setting this to 1.5 especially in quiet areas.

Set Point Max / Min, (Also see MENU setting ). This is the Maximum & Minimum temperatures the thermostat can be set to. NOTE: A yellow triangle will appear on screen if the regulated temperature on screen ever passes these set points.

Settings Page 2, NTC Select.

This setting allows the user to select between air, floor or a combination of air & floor sensors.

I = Internal Air Sensor Temp.

E = External Floor Probe Temp.

I&E = The thermostat will only regulate air temp but will show all 3 temperatures. If however the floor temp exceeds the high or low temperature protection settings the heating will turn off or on until the floor temperature no longer exceed these settings. During this time a Yellow warning triangle will appear on screen.

IorE = Only floor temperature will be regulated and shown along with set temp. If however the air temp drops below the Low Protection setting then the heating will turn on.

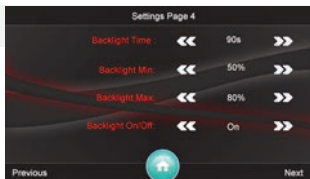


Setting Page 3: EL Units Only.

Settings Page 4, Backlighting.

Backlight Time. This is the time the screen is fully illuminated before turning down in brightness.

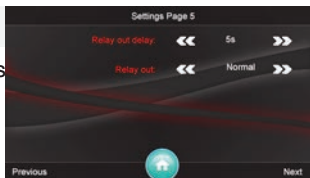
Backlight Min. is the % of maximum brightness the screen will show when not in use. Backlight Max is the % of maximum brightness the screen will show when in use. Backlight On/Off. Backlight can be set to full off when screen is not in use. NOTE: A low backlight or full off is best for bedrooms.



Settings Page 5, Relay.

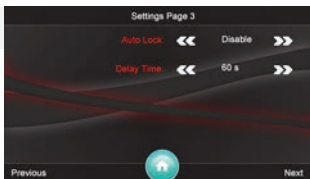
Relay Out Delay. The time in seconds delay between switching the heating on or off once the temp reaches or falls below the set temp.

Relay Out. This changes the switching of the relay between normal & inverted. Electric heating should be run on Normal. When controlling water systems please refer to the systems specifications for clarification.



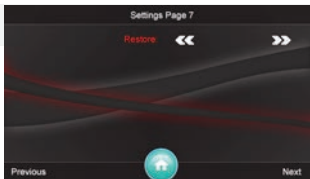
Settings Page 6, Lock.

Auto Lock. Set to Enable to lock screen automatically after 60 seconds of screen inactivity to prevent unwanted setting changes or tampering. To unlock the screen, touch any button once and then within 2 seconds press and hold the Time / Day on the top left hand corner for 10 seconds, (hold VERY top of screen on Time / Day). The lock will then deactivate for a short period of time before relocking. **Delay Time.**

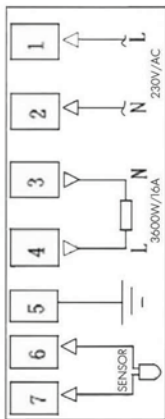


Settings Page 7, Restore.

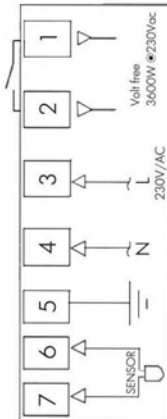
Restore to factory defaults. This allows the user to reset the unit to the original default settings.



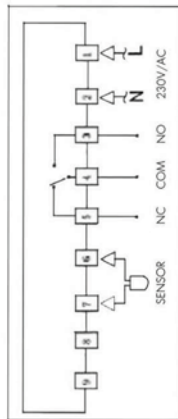
Wiring Diagrams



Electric Heating System



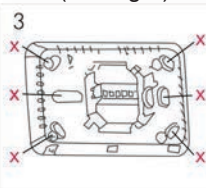
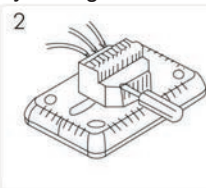
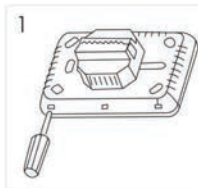
Water Heating System



Voltage-Free System

Installation

Using a medium size flat screwdriver carefully insert into slots at bottom of thermostat and twist gently to open, (See fig 1). Connect the heating, power supply and floor probe cables to the correct terminals tightly, (See Wiring / Fig 2). Once wired fix back plate to the wall securely through screw locations (See fig 3).



Wi-Fi Connection



Please note we are always looking to improve this thermostat and APP. To do this we make regular updates to the APP and thermostats firmware. These instructions are a guide. For the very latest instructions please always refer to our website and check for updated versions.

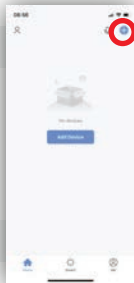


1

Download the Smart Life APP from the IOS or Android Store. Create a unique account and password.

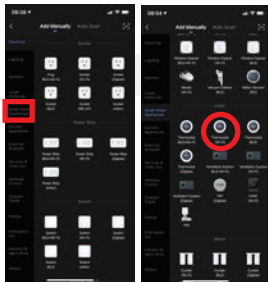
2

Open Smart Life APP and on home screen press on the highlighted blue “+” and then, “Add Device”.



3

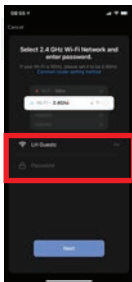
On the next screen please select “Small Home Appliances” on the left side of screen and then search scroll down the list of appliances on the right and select “Thermostat (Wi-fi)”.



Left

Right

4




Select your Wi-Fi network and enter the Password for this selected network.

Note: Your phone should also be connected to the same Wi-Fi network and the router must be set to transmit on 2.4Ghz, (NOT 5Ghz).

Press Next.

5



5A: To get the thermostat ready to pair to device/APP, press the Wi-Fi symbol “” at the top of the screen (highlighted right).

5B: Thermostat screen will now have two Wi-Fi symbols in bottom right hand corner. Press on Wi-Fi symbol with hand symbol, (NOT symbol with AP letters see right). The screen will say, “Wi-Fi Configure Confirm Starting” Click “OK ” to continue.

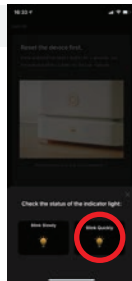


5C: The thermostat is now ready to be paired to your phone / APP and will display “Waiting For Connection”. You now need to finish the APP set up on your phone. Once the APP setup is completed correctly the thermostat screen will change to say “Connected”.

6

6A: On the APP it may ask to reset the thermostat. This is not required so simply click “Next”.

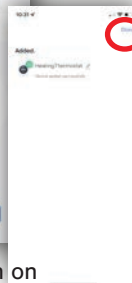
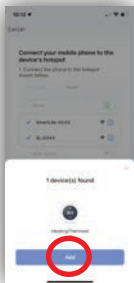
6B: The APP will now show two blink options. Select “Blink Quickly”.



7

7A: The APP will now try to connect. Once the device is found Click “Add”.

7B: The APP will now pair with the thermostat. Once paired the APP will display “Added Successfully”. Click “Next” and then click “Done”. Note if the thermostat says “Connected” the screen on APP may timeout but the APP has in fact connected. Go to APP home screen and check for thermostat.



8

The thermostat screen should now say “Connected”. To revert back to the home screen simply press “Cancel”. Wi-Fi setup is now complete.



9**Important.**

You can connect additional phones to the thermostat but you must send each phone an invite from the primary phone (1st phone connected). This is done within the APP. If you connect a 2nd phone directly to the thermostat it will become the primary phone and disconnect the previous phone.

10**Cannot Connect / Alternative connection methods.**

Make sure your Wi-Fi band is set to 2.4Ghz and the thermostat is located in a solid & strong signal area.

Make sure your phone is connected to the same Wi-Fi as the thermostat will be and you are using the correct Wi-Fi pass code.

If you are still unable to connect please visit our website and download the latest instructions.

Also try the AP / EZ connection instructions for this thermostat that can be found on the more comprehensive website instructions.

ANDROID APP**IOS APP**

