



Smart Wi-Fi Thermostat

Intelligent heating control with Wi-Fi connectivity, mobile app access, and seamless voice control through with Google Assistant and Amazon Alexa.

Product Overview

The LunaTouch Wi-Fi operates by itself as independent control to the rest of the heating system as a thermostat in either programmable or non-programmable operation.

- a. **Non-programmable:** operates as a simple thermostat where the temperature is held at the set point continuously.
- b. **Programmable:** operates as a fully programmable thermostat with 4 times and temperature periods each day. This enables you to regulate the temperature in your home by setting specific temperatures for times of the day.

App control allows you to adjust thermostats individually or in groups from your smartphone anywhere in the world, with optional hands-free voice control via Google Assistant and Amazon Alexa.

Modes

1. Standalone programmable/non-programmable
2. Setback thermostat with central programmer
3. Single-channel timer

Download the app for smartphone control

1. Smart Life - Smart Living
2. Tuya Smart



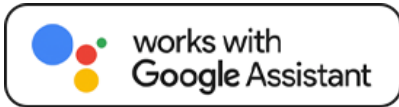
Key Benefits

- **Heating & Cooling Ready** - Works efficiently in both heating and chilled-water applications, in
- **Wi-Fi App Control** - Adjust heating remotely from anywhere using the Tuya or Smart Life apps.
- **Voice & Smart Home Control** - Compatible with Google Assistant and Amazon Alexa, plus Tuya and Smart Life smart home platforms.
- **Programmable Operation** - Works as a programmable thermostat or timer for scheduled temperature control.
- **Non-Programmable Mode** - Simple thermostat or timer operation with a constant set temperature.
- **Setback Function** - Automatically lowers temperatures to reduce energy use during inactive periods.
- **Remote Sensor Support** - Compatible with external sensors for improved temperature accuracy.
- **Floor and Air Sensing** - Supports floor and/or air sensors for precise heating control.
- **Floor Overheat Protection** - High-temperature floor limit sensor protects floor finishes.
- **Central Holiday Mode** - One-touch holiday setting reduces heating when away.
- **Backlit Touch Display** - Black LunaTouch design with subtle black backlight.

Part Codes:
Ice White - 43531
Jet Black - 43533

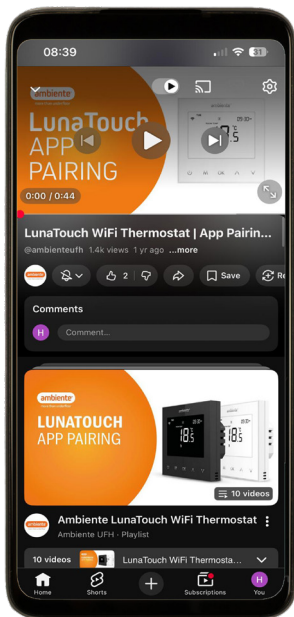
Voice Control Setup with Google Assistant & Amazon Alexa

LunaTouch Wi-Fi Thermostat is compatible with both Google Assistant and Amazon Alexa. The screenshots below show you how to connect the Smart Life app to Amazon Alexa to enable voice-controlled heating.



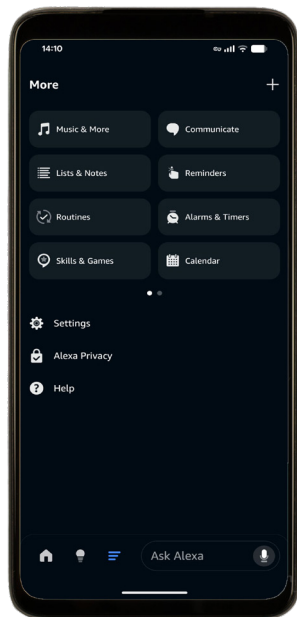
INSTALLATION STEPS

STEP 1



Ensure your LunaTouch Wi-Fi thermostat is connected to the Smart Life app. Download the app from the Google Play Store or Apple App Store and follow our quick YouTube setup video. Youtube channel: @ambienteufh

STEP 2



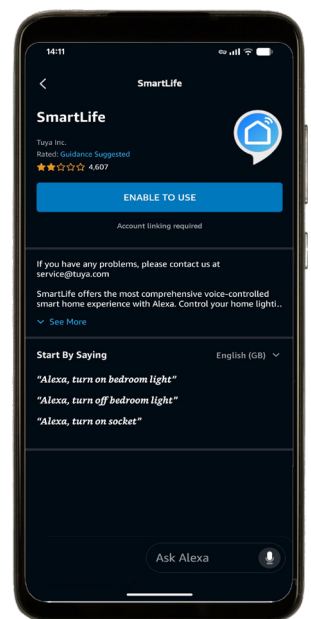
Open the Amazon Alexa app and open the menu (More).
Select Skills & Games.

STEP 3



Search for SmartLife (one word).

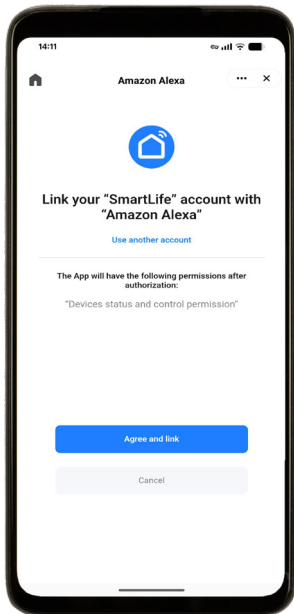
STEP 4



Select Smart Life and tap Enable to Use.

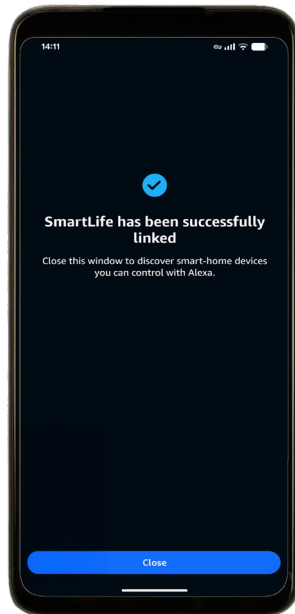
STEPS CONTINUED ON NEXT PAGE

STEP 5



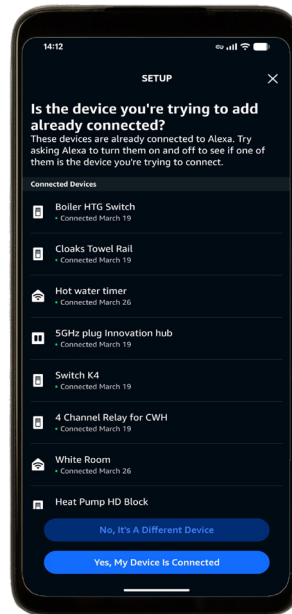
When prompted, tap **Agree and Link** to connect your Smart Life account to Alexa.

STEP 6



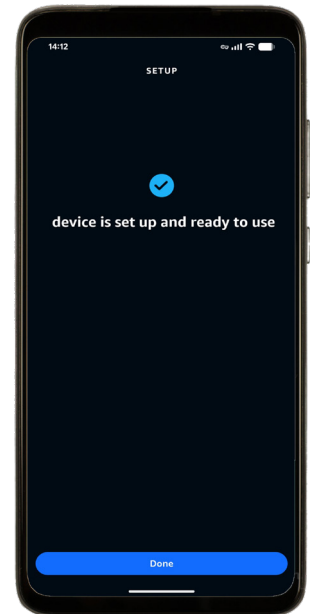
You will see a confirmation message that Smart Life has been successfully linked.

STEP 7



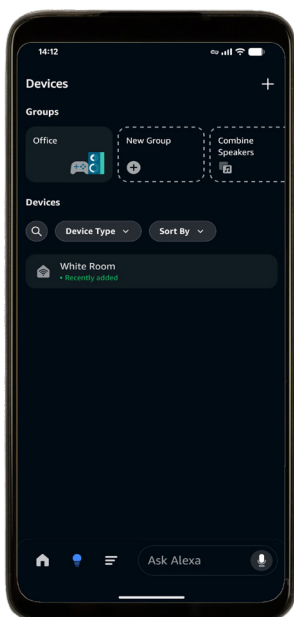
When asked if your device is already connected, select **Yes, My Device Is Connected**.

STEP 8



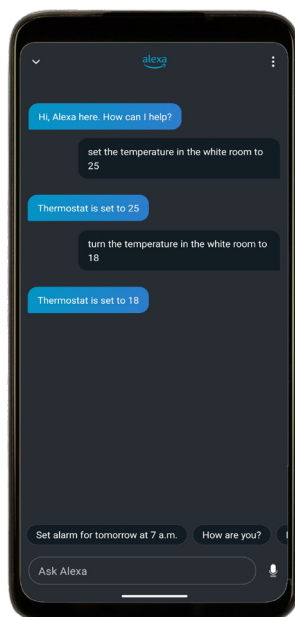
Alexa will confirm that the device is set up and ready to use. Tap **Done**.

STEP 9

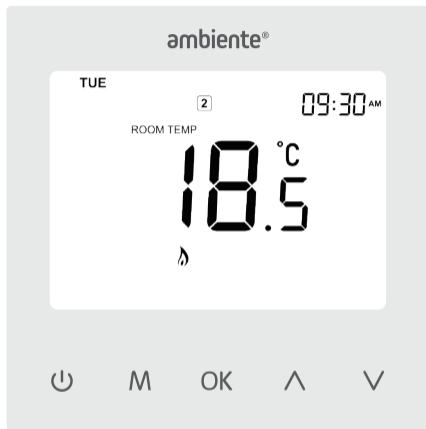


Your LunaTouch Wi-Fi thermostat will now appear under **Devices** in the Alexa app, where you can assign rooms or groups if required.

STEP 10



You can now control your thermostat using Alexa voice or text commands, for example: "Alexa, set the temperature in the White Room to 25 degrees."



AMBIENTE LUNATOUCH WIFI

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WHAT IS THE LUNATOUCH WIFI?

The LunaTouch WiFi is a multi-function thermostat/timer for any part of your heating or hot water system where thermostatic or programmable control is required.

App

The LunaTouch WiFi can be controlled by your smartphone over WiFi using the 'Tuya smart' application.

Modes

The LunaTouch WiFi consists of three main modes:

1. Standalone programmable/non-programmable thermostat
2. Setback thermostat with central programmer
3. Single-channel timer

1. PROGRAMMABLE/NON-PROGRAMMABLE THERMOSTAT

The LunaTouch WiFi operates by itself as independent control to the rest of the heating system as a thermostat in either programmable or non-programmable operation.

- a. Non-programmable – operates as a simple thermostat where the temperature is held at the set point continuously.
- b. Programmable – operates as a fully programmable thermostat with 4 times at which to set a target temperature. This enables you to regulate the temperature in your home by setting specific temperatures for times of day.

This way, the thermostat doesn't operate the heating as On/Off but as an Up/Down control to the specific temperatures you set on your LunaTouch WiFi.

This enables you to have intricate control in each room, creating a micro-climate in different areas of your home and regulating the temperature for night, for when your home is unoccupied, or even when individual rooms are unoccupied or not used.

2. SETBACK THERMOSTAT WITH CENTRAL PROGRAMMER

In this mode, the LunaTouch WiFi operates as a thermostat in conjunction with a single programmer (supplied separately) providing central timed control for larger areas or whole houses.

The LunaTouch WiFi is set to non-programmable and maintains the temperature at the set point whilst the programmer is on.

When the programmer is off the LunaTouch WiFi automatically drops the set temperature by up to 5°C, for example, during the night or whilst the property is unoccupied.

3. SINGLE CHANNEL TIMER

In this mode, the LunaTouch WiFi operates as a programmable timer.

This can be used for heating/hot water/set-back timer control.

LUNATOUCH WIFI SET-UP

At any point in this procedure, restart the thermostat by removing the thermostat from the wall plate, wait a few seconds, and snap it back onto the wall plate. Return to Step 1 in this procedure.

1. Connect your phone to the 2.4GHz WiFi in your home. This must be visible WiFi and the same that the thermostat will connect to.
2. Download the 'tuya smart' from either the App store or Play store.
3. Open the 'tuya smart' app and sign up or log in if you already have an account.
 - a. If creating the account, enter your email address, agree to privacy policies and tap 'Get verification Code'.
 - b. You will then receive a verification code by email which needs to be entered next.
 - c. Create a password and tap 'Done'.
 - d. Finally set permissions for the app.

LUNATOUCH WIFI SET-UP

4. On the LunaTouch WiFi press and hold the 'M' button until the WiFi icon flashes.
5. On the tuya smart app, tap 'Add Device' or the '+' button to add your LunaTouch WiFi.
 - a. For the first device you may have a warning turn on BlueTooth and to allow access to nearby devices. This should be turned on and allowed if it isn't already.
6. The LunaTouch WiFi will be automatically detected. Tap 'Add' to add the device to your app.
7. Now enter the WiFi name and password for the LunaTouch WiFi to connect to and tap 'Next'.
8. Wait for the LunaTouch WiFi to be added successfully.

INSTALLATION PROCEDURE

Care should be taken on where the LunaTouch WiFi is installed as being the ultimate control of your heating. It is important that it is not installed near any secondary hot or cold sources. The LunaTouch WiFi should be installed at chest/eye level and where it will receive an even reading of the temperature of the room. It should be installed out of direct sunlight, away from draft or heat sources such as airing cupboards. The LunaTouch WiFi is designed to be mounted flush and will require an electrical back box with a depth of at least 35mm.

Step 1

Separate the two halves of the thermostat by using a small flat screwdriver to disengage the two halves via the clip on the underside of the LunaTouch WiFi.

Step 2

Ensure that the front (Screen) part of the thermostat is kept somewhere safe and clean. Terminate the cable for the thermostat in accordance with

wiring diagrams on pages 48-51.

Step 3

Fix the thermostat back plate back to the back box with the screws provided, ensuring this is secure.

Step 4

Clip the front onto the back plate, engaging the bottom clips first.

SETTING YOUR PROGRAM MODE SELECTION

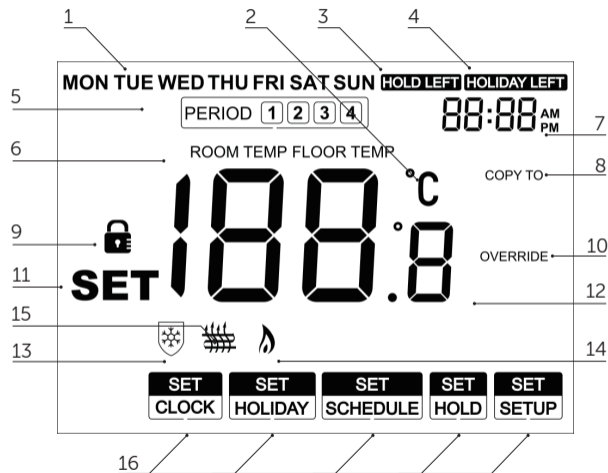
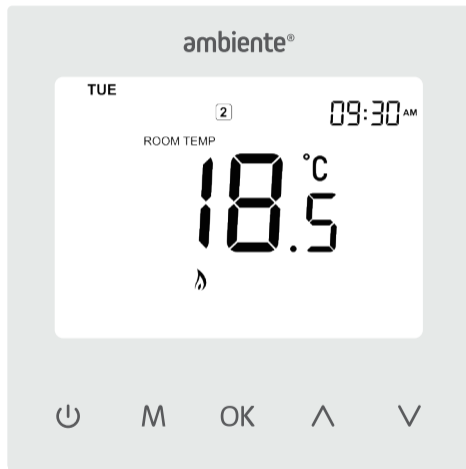
This LunaTouch WiFi has been set by default to a programmable thermostat in 5+2 day programming (Weekdays + Weekend).

To change between programmable, non-programmable, setback thermostat and single-channel timer follow these steps.

1. Press and hold the \odot button to turn the screen off
2. Press and hold M until the 'SET SETUP' main M item flashes.
3. Press OK 5 times or until the small digit shows '05'.
4. Press \blacktriangle \blacktriangledown to change the large number for the following modes
 - 00 – Non-programmable/setback thermostat
 - 01 – Weekday/Weekend programmable
 - 02 – 7 day programmable
5. Press OK 10 times or until the small digit shows '15'.
6. Press \blacktriangle \blacktriangledown to change the large number for the following modes
 - 00 – Setback thermostat disabled
 - 01 – Setback thermostat enabled (non-programmable only)

SETTING YOUR PROGRAM MODE SELECTION

7. Press OK 2 times, or until the small digit shows '17'.
8. Press \blacktriangle \blacktriangledown to change the large number for the following modes
 - 00 – Thermostat
 - 01 – Timer
9. Press \odot button to return to the home screen.



LCD DISPLAY

1. Day of the week – Displays the current day.
2. Temperature unit – Degrees Celsius (°C) or Fahrenheit (°F).
3. Hold left indicator – Displays when the HOLD FOR function is active along with the hours of hold remaining.
4. Holiday left indicator – Displays when the holiday function is active along with the number of days remaining.
5. Time period – Displays the current program period as set in the program of the thermostat.
6. Room/floor Temperature – Indicates the current sensor set-up and point of temperature measurement.
7. Time – Displays the current time in 24 or 12-hour format.
8. Copy function – Enables the copying of times between days.
9. Keypad lock – Displays when the keypad is locked.
10. Override – Displays when a temporary override is set.
11. SET – Displays when any program or parameter is being changed.
12. Temperature – Displays the current sensor temperature.
13. Frost shield – Displays when the thermostat is in frost protection mode.

LCD DISPLAY

14. Flame symbol – Displays when the thermostat is calling for heat.
15. Floor protection – Displays when the floor limit temperature is reached.
16. Main M – Displays when setting schedule and feature parameters.

SETTING THE CLOCK

To set/change the clock and day, follow these steps. This is not applicable if the thermostat is in non-program mode.

1. Press M so the 'SET CLOCK' main M item flashes.
2. Press OK to confirm. The current hour will flash.
3. Press ▲▼ to change the hour and press OK.
4. Press ▲▼ to change the minute and press OK.
5. Press ▲▼ to change the day and press OK.
6. Press M to save the change and the ⏪ button to return to the home screen.

CHANGE/CHECK THE TEMPERATURE SETTINGS

To set/change the temperature (temporary override), follow these steps. Note, this only changes the temperature until the next program time.

1. Press ▲▼ once to view the current temperature setting.
2. Press ▲▼ repeatedly to change the thermostat in increments of 0.5°C.
3. Press OK to save the new temperature and return to the home screen. The thermostat will display 'OVERRIDE' to confirm a different temperature has been set.

The 🔥 symbol will show when the thermostat is calling for heat.

If a floor sensor has been installed, this temperature can be checked by pressing and holding the 'OK' button. The thermostat will return to the home screen after 10 seconds.

You can also change the temperature this way in the Frost, Holiday and Hold modes.

SCHEDULE AND COMFORT SETTINGS

The LunaTouch WiFi comes pre-programmed with comfort levels set. These factory default settings are:

Weekday and weekend – 5/2 day programming				
Mon-Fri	5.30-20°C	8.00-16°C	16.00-20°C	22.00-16°C
Sat-Sun	6.30-20°C	9.00-16°C	16.00-20°C	23.00-16°C

Monday to Sunday – 7 day programming				
Mon-Sun	5.30-20°C	8.00-16°C	16.00-20°C	22.00-16°C

To set/change the program comfort levels, follow these steps.

1. Press M to display the main M items.
2. Press M until the 'SCHEDULE' main M item flashes.
3. Press OK to confirm. 'MON ~ FRI' will flash.
4. Press ▲▼ to select different day(s) and press OK.
 - 'Period 1' is displayed and the corresponding hour flashes.

SCHEDULE AND COMFORT SETTINGS

5. Press ▲▼ to change the hour for 'Period 1'.
6. Press OK to confirm and minute for 'Period 1' flashes.
7. Press ▲▼ to change the minute for 'Period 1'.
8. Press OK to confirm and temperature for 'Period 1' flashes.
9. Press ▲▼ to change the temperature for 'Period 1'.
10. Press OK to confirm.
 - 'Period 2' is displayed and the corresponding hour flashes.
11. Repeat steps 5 to 10 for Periods 2, 3 & 4.
12. After pressing OK for 'Period 4', 'COPY TO' will flash.
 - a. Press ▲▼ to cancel copy function and set other days manually.
 - b. Press OK to apply copy function.

Note: When set to 5+2 day programming, pressing OK skips points c and d.
 - c. Press ▲ to select a day, press ▼ to deselect a day.

Note: Selected days are shown without flashing.
 - d. Press OK to save the copy and LunaTouch WiFi returns to main M.
13. Repeat steps 2-12 to set and/or copy further days.

SETTING THE HOLIDAY MODE

To set/change the holiday mode, follow these steps (this is not applicable in non-programmable mode.)

1. Press M until the 'SET HOLIDAY' main M item flashes.
2. Press OK to confirm. The 'HOLIDAY LEFT' symbol will show and the number of days will flash.
3. Press ▲▼ to change the number of days the holiday should be set for (Note: Holiday starts from 00:00 of the next day and ends on 23:59 of the last day).
4. Press OK to confirm and the temperature for the holiday will flash.
5. Press ▲▼ to change the temperature for the holiday period.
6. Press M to save the holiday and the ⏪ button to return to the home screen.

Note: *Setting holiday mode will remove any hold mode set - see page 18.*

SETTING THE HOLD MODE

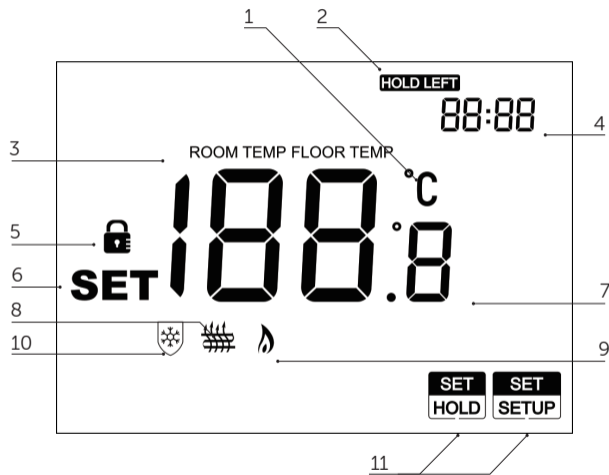
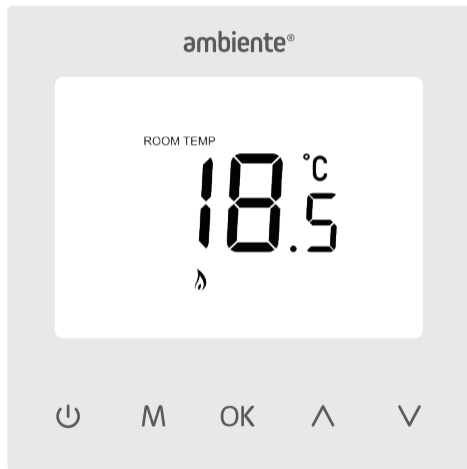
To set/change the hold mode, follow these steps. **Note:** This function is also applicable in non-programmable mode.

1. Press M until the 'SET HOLD' main M item flashes.
2. Press OK to confirm. The 'HOLD LEFT' symbol will show and the number of hours flash.
3. Press ▲▼ to change the number of hours the hold should be set for.
4. Press OK to confirm and the temperature for the hold period flashes.
5. Press ▲▼ to change the temperature for the hold period.
6. Press M to save hold period and the ⓪ button to return to the home screen.

Note: Hold mode cannot be set if there is a holiday mode already set.

OPTIMUM START

The LunaTouch WiFi will typically turn the heating on at the time set in the program. With the optimum start feature enabled, the LunaTouch WiFi will display a flashing 🔥 symbol and turn the heating on beforehand in order to reach the required temperature for the time set. See page 43 to page 48 for details on enabling optional features.



LCD DISPLAY

1. Temperature unit – Degrees Celsius (°C) or Fahrenheit (°F).
2. Hold left indicator – Displays when the HOLD FOR function is active along with the hours of hold remaining.
3. Room/floor temperature – Indicates the current sensor set-up and point of temperature measurement.
4. Time – Displays the current hold time left when in hold mode.
5. Keypad lock – Displays when the keypad is locked.
6. SET – Displays when any program or parameter is being changed.
7. Temperature – Displays the current sensor temperature.
8. Frost shield – Displays when the thermostat is in frost protection mode.
9. Flame symbol – Displays when the thermostat is calling for heat.
10. Floor protection – Displays when the floor limit temperature is reached.
11. Main M – Displays when setting schedule and parameters.

CHANGE/CHECK THE TEMPERATURE SETTING

To set/change the temperature, follow these steps.

1. Press ▲▼ once to view the current temperature setting.
2. Press ▲▼ repeatedly to change the thermostat in increments of 0.5°C.
3. Press OK to save the new temperature and return to the home screen.

The  symbol will show when the thermostat is calling for heat.

If a floor sensor has been installed, this temperature can be checked by pressing and holding the 'OK' button. The thermostat will return to the home screen after 10 seconds.

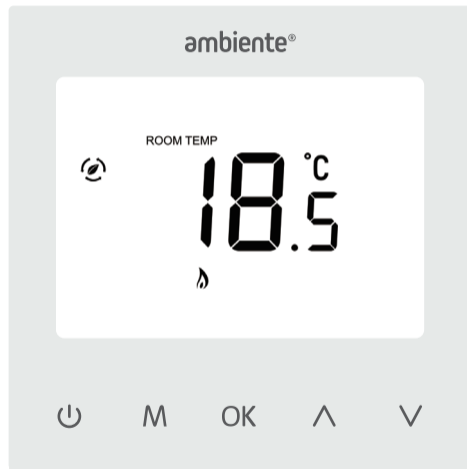
You can also change the temperature this way in the Frost and Hold modes.

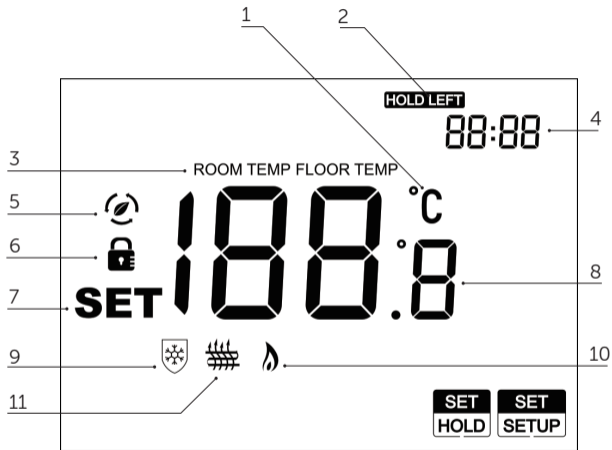
SETTING THE HOLD MODE

To set/change the hold mode, follow these steps. **Note:** This function is also applicable in non-programmable mode.

1. Press M until the 'SET HOLD' main M item flashes.
2. Press OK to confirm. The 'HOLD LEFT' symbol will show and the number of hours flash.
3. Press ▲▼ to change the number of hours the hold should be set for.
4. Press OK to confirm and the temperature for the hold period flashes.
5. Press ▲▼ to change the temperature for the hold period.
6. Press M to save hold period and the ⓪ button to return to the home screen.

NON-PROGRAMMABLE SETBACK MODE





1. Temperature unit – Degrees Celsius (°C) or Fahrenheit (°F).
2. Hold left indicator. – Displays when the HOLD FOR function is active along with the hours of hold remaining.
3. Room/floor temperature – Indicates the current sensor set-up and point of temperature measurement.
4. Time – Displays the current hold time left when in hold mode.
5. Setback – Is displayed when LunaTouch WiFi is in temperature setback.
6. Keypad lock – Displays when the keypad is locked.
7. SET – Displays when any program or parameter is being changed.
8. Temperature – Displays the current sensor temperature.
9. Frost shield – Displays when the thermostat is in frost protection mode.
10. Flame symbol – Displays when the thermostat is calling for heat.
11. Floor protection – Displays when the floor limit temperature is reached.

CHANGE/CHECK THE TEMPERATURE SETTING

To set/change the temperature, follow these steps.

1. Press ▲▼ once to view the current temperature setting.
2. Press ▲▼ repeatedly to change the thermostat in increments of 0.5°C.
3. Press OK to save the new temperature and return to the home screen.

The 🔥 symbol will show when the thermostat is calling for heat.

If a floor sensor has been installed, this temperature can be checked by pressing and holding the 'OK' button. The thermostat will return to the home screen after 10 seconds.

You can also change the temperature this way in the Frost and Hold modes.

SETBACK TEMPERATURE

The LunaTouch WiFi operates a built-in temperature setback when a timer/programmer is connected to the LunaTouch WiFi. This setback is adjustable using the following steps.

1. Press and hold the ⏻ button until the screen goes blank
2. Press and hold the M button until the 'SET SETUP' main M item flashes.
4. Press OK 16 times, or until the small digit shows '16'.
5. Press ▲▼ to change the large number for the following modes
03 – 05 = 3°C-5°C
6. Press the ⏻ button to return to the home screen.


FEATURES AVAILABLE ON ALL PROGRAM MODES

FROST PROTECTION


To set the thermostat in frost protection mode, press the  button. The  symbol will display indicating that the thermostat is in frost mode and set to a lower temperature – factory default of 12°C

KEYPAD LOCK

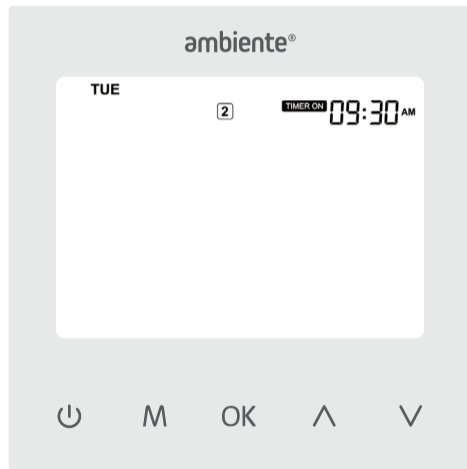
The LunaTouch WiFi keypad can be locked to prevent any accidental adjustment or tampering of the thermostat.

Press and hold  until the  symbol shows. Keypad is now locked. Press and hold  for 10 seconds again to unlock the LunaTouch WiFi.

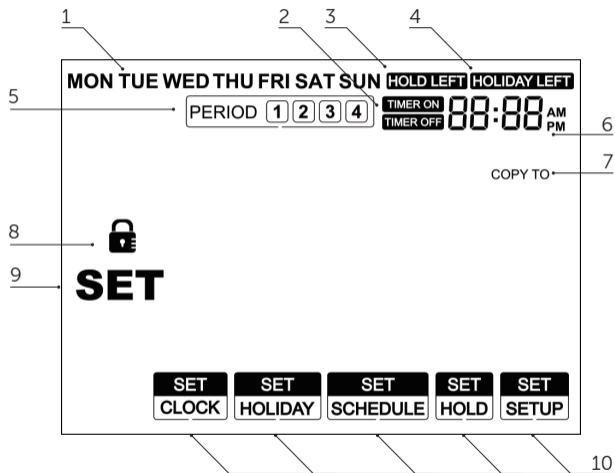
FLOOR LIMIT PROTECTION

If a floor sensor has been installed with the LunaTouch WiFi, this enables a floor limit temperature to be set and controlled through the optional features explained on pages 41-43. This will stop the heating when the floor temperature reaches this point and will show the  symbol.

SINGLE CHANNEL TIMER MODE (5+2 AND 7 DAY)



LCD DISPLAY



LCD DISPLAY

1. Day of the week – Displays the current day.
2. Timer on/timer off status.
3. Hold left indicator – Displays when the HOLD FOR function is active along with the hours of hold remaining.
4. Holiday left indicator – Displays when the holiday function is active along with the number of days remaining.
5. Time period – Displays the current program period as set in the program of the thermostat.
6. Time – Displays the current time in 24 or 12-hour format.
7. Copy function – Enables the copying of times between days.
8. Keypad lock – Displays when the keypad is locked.
9. SET – Displays when any program or parameter is being changed.
10. Main M – Displays when setting schedule and parameters.

SETTING THE CLOCK

To set/change the clock and day, follow these steps. This is not applicable if the thermostat is in non-program mode.

1. Press M so the 'SET CLOCK' main M item flashes.
2. Press OK to confirm. The current hour will flash
3. Press ▲▼ to change the hour and press OK.
4. Press ▲▼ to change the minute and press OK.
5. Press ▲▼ to change the day and press OK.
6. Press M to save the change and the ⓪ button to return to the home screen.

SETTING TIMER ON AND OFF TIMES

The LunaTouch WiFi comes pre-programmed with timer on and off times set. These factory default settings are.

Daily programming				
	Period 1	Period 2	Period 3	Period 4
On time	5:30	11:30	17:00	20:00
Off time	7:00	12:00	18:00	22:00

SETTING TIMER ON AND OFF TIMES

To set/change the program comfort levels, follow these steps.

1. Press M to display the main M items.
2. Press M until the 'SCHEDULE' main M item flashes.
3. Press OK to confirm. 'MON ~ FRI' will flash.
4. Press ▲▼ to select different day(s) and press OK.
 - a. 'Period 1' is displayed and the On hour flashes.
5. Press ▲▼ to change the On hour for 'Period 1'
6. Press OK to confirm and the On minute for 'Period 1' flashes.
7. Press ▲▼ to change the On minute for 'Period 1'
8. Press OK to confirm and the Off hour for 'Period 1' flashes
9. Press ▲▼ to change the Off hour for 'Period 1'
10. Press OK to confirm and the Off minute for 'Period 1' flashes
11. Press ▲▼ to change the Off minute for 'Period 1'
12. Press OK to confirm.

SETTING TIMER ON AND OFF TIMES

- a. 'Period 2' is displayed and the On hour flashes
13. Repeat steps 5 to 12 for Periods 2, 3 & 4.
14. After pressing OK for 'Period 4', 'COPY TO' will flash.
 - a. Press ▲▼ to cancel copy function and set other days manually
 - b. Press OK to apply copy function and press ▲ to select a day, press ▼ to deselect a day

Note-Each day is selected when not flashing.

 - c. Press OK to save the copy and advance to the next day.
15. Repeat steps 5-14 for each day.
16. Press M to save the change and the ⏪ button to return to the home screen.

SETTING THE HOLIDAY MODE

To set/change the holiday mode, follow these steps.

1. Press M to display the main M items.
2. Press M until the 'SET HOLIDAY' main M item flashes.
3. Press OK to confirm. The 'HOLIDAY LEFT' symbol will show and the number of days flash.
4. Press ▲▼ to change the number of days the holiday should be set for (Note: Day one is from 00:00 of the next day).
5. Press M to save the holiday and the ⌚ button to return to the home screen.

Note: *If holiday mode cannot be set, there is a hold mode already set.*

SETTING THE HOLD MODE

To set/change the hold mode, follow these steps. Note: This function is also applicable in non-programmable mode.

1. Press M until the 'SET HOLD' main M item flashes.
2. Press OK to confirm. The 'HOLD LEFT' symbol will show and the number of hours flash.
3. Press ▲▼ to change the number of hours the hold should be set for.
4. Press M to save hold period and the ⌚ button to return to the home screen. **Note:** *Hold mode cannot be set if there is a holiday mode already set.*

OVERRIDING OFF DURING ON TIME ON PERIOD

To override the timer to go off partway through an on period

1. Press the ⌚ button-The screen will go blank with just the 'Timer Off' icon showing. This will remain until the next timer-on period, when the LunaTouch WiFi will automatically turn back on and resume with the programmed schedule. If you wish to cancel the override, press the ⌚ button again, and the LunaTouch WiFi will turn back on and resume with the programmed schedule.

FACTORY RESET

Should the LunaTouch WiFi need to be reset to factory default settings, follow these steps.

Press and hold the  button to turn the LunaTouch WiFi off.

Press and hold  and .

The LunaTouch WiFi will display all icons on the screen for 2 seconds. The Factory reset is now complete.


OPTIONAL FEATURES EXPLAINED

The following settings are optional parameters to change how the thermostat works and what it displays. In many cases, these need not be adjusted.

Feature 01 – Sensor Selection: The LunaTouch WiFi has the option of using its own built-in air sensor (default), a remote air sensor, floor sensor or a combination of these sensors for floor limit protection when both an air and floor sensor are used.

Feature 02 – Time Format: The LunaTouch WiFi has the option of displaying the time in 24 (default) and 12-hour format.

Feature 03 – Temperature Format: The LunaTouch WiFi has the option of displaying the temperature in Celsius °C (default) and Fahrenheit °F.

Feature 04 – Frost Protection: The LunaTouch WiFi has the option to maintain frost protection even when the thermostat is off, as long as power is still maintained to the thermostat. When the thermostat is off, it will continue to show  symbol. This feature is enabled by default.

Feature 05 – Program Mode: The LunaTouch WiFi has the option to operate as a non-programmable thermostat or a programmable thermostat with 5/2-day or 7-day programming. Default is programmable 5/2-day.

OPTIONAL FEATURES EXPLAINED

Feature 06 – On/off status: The LunaTouch WiFi can be set to come on or stay off when power is turned on to the thermostat. Default is auto on/off from last power off.

Feature 07 – Temperature calibration: The LunaTouch WiFi has the option to adjust the sensor calibration by +/- 10°C in 0.5°C increments. Default is 0°C.

Feature 08 – Switching differential: The LunaTouch WiFi has the option to change the switching differential between 1 and 3°C. Default is 1°C.

Feature 09 – Maximum temperature: The LunaTouch WiFi has the option to adjust the maximum temperature set point. This can be used as a limit on how high the heating is set to. This range is from 2°C to 49.5°C. Default is 35°C.

Feature 10 – Minimum temperature: The LunaTouch WiFi has the option to adjust the minimum temperature set point. This can be used as a limit on how low the heating is set to. This range is from 0°C to 47.5°C. Default is 5°C.

Feature 11 – Output delay: The LunaTouch WiFi has the option to delay the switch output to prevent rapid switching on and off. This can be set from 00 – 15 minutes. Default is 00.

OPTIONAL FEATURES EXPLAINED

Feature 12 – Optimum start: The LunaTouch WiFi has the option to set an optimum start of up to 3 hours. See page 19 for more detail. Default is 0 hours.

Feature 13 – Rate of change: For information only.

Feature 14 – Floor temperature limit: The LunaTouch WiFi has the option to adjust the floor limit temperature used when a floor sensor is installed and connected. This range is from 20°C to 60°C. Default is 28°C.

Feature 15 – Setback enable: The LunaTouch WiFi has the option to be programmed as a setback thermostat controlled by a separate programmer. The programmer switched live should be connected to the ⌚ terminal. Program mode (Feature 5) needs to be set to 00 (non-programmable) to enable this feature.

Feature 16 – Setback temperature: The LunaTouch WiFi has the option to adjust the setback temperature from 3°C to 5°C. Default is 4°C.

Feature 17 – Thermostat or timer: The LunaTouch WiFi has the option to operate as a thermostat or as a single-channel timer.





OPTIONAL FEATURES EXPLAINED

Feature 18 - Floor Sensor Calibration: -10°C to +10°C.

Feature 19 - System Cycle Feature (SCF): Enabling this option will call for heat for 3mins on every Sunday at 8am.

CHANGING THE OPTIONAL FEATURES

To change the optional features on the LunaTouch WiFi follow these steps, selecting the required feature number and setting value.

1. Press and hold the  button until the screen goes blank
2. Press and hold the M button until the 'SET SETUP' main M item flashes.
3. Press OK to confirm. The small digits display the feature number, the large digits display the setting value for the feature.
4. Press OK to cycle through the feature numbers.
5. Press   to change setting number for each feature.
6. Press the  button to return to the home screen.

OPTIONAL FEATURES EXPLAINED

Feature No.	Description	Setting No.
01	Sensor selection	00=Internal air sensor (Default) 01=Remote air sensor 02=Remote floor sensor 03=Internal air and remote floor sensor 04=Remote air and remote floor sensor
02	Time format	12=12 hour, 24=24 hour (Default)
03	Temperature format	00=°C (Default), 01=°F
04	Frost protection when off	00=Enabled (Default) 01=Disabled
05	Program mode	00=Non-programmable 01=5/2 day programmable (Default) 02=7 day programmable
06	On/off status	00=Off when powered up 01=On when powered up 02=Auto memory when power lost (Default)
07	Temperature calibration	-10°C ~ +10°C (-18°F ~ +18°F) (Default =0)
08	Switching differential	1°C ~ 3°C (2°F ~ 5°F) (Default =1°C)
09	Maximum temperature	2°C ~ 49.5°C (36°F ~ 121°F) (Default =35°C)
10	Minimum temperature	0°C ~ 47.5°C (32°F ~ 117°F) (Default =5°C)
11	Output delay	00 ~ 15 minutes (Default = 00)

OPTIONAL FEATURE TABLE

12	Optimum start	00 ~ 03 hours (Default = 00)
13	Rate of change	Information only, non-adjustable
14	Floor temperature limit	20°C ~ 60°C (68°F ~ 140°F) (Default =28°C)
15	Setback enable	00=OFF (Default) 01=ON
16	Setback temperature	3°C ~ 5°C (5°F ~ 9°F) (Default =4°C)
17	Thermostat or timer mode	00=Thermostat 01=Timer
18	Floor Sensor Calibration	-10°C to +10°C in 1°C steps (0.0°C default)
19	System Cycle Feature	00 = OFF (default), 01 = ON

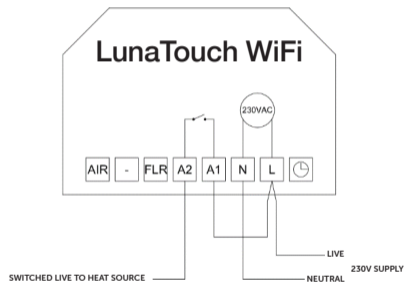
ERROR CODES

Use the following table to determine and resolve error codes.

Code	Fault/Error	Solution
E0	Internal sensor fault	Replace thermostat
E1	Remote floor sensor fault	Check programming for sensors – optional feature 01 Check floor sensor connections Check for damage on floor sensor or incorrect floor sensor resistance
E2	Remote air sensor fault	Check programming for sensors – optional feature 01 Check air sensor connections Check for damage on air sensor or incorrect air sensor resistance
HI	Temperature higher than 55°C	Move thermostat to a cooler area Check for influence from external heat source Check LunaTouch WiFi calibration
LO	Temperature lower than 0°C	Move thermostat to warmer area Check for influence from draught or external cooling Check LunaTouch WiFi calibration Start heating to increase room temperature.

WIRING DIAGRAMS

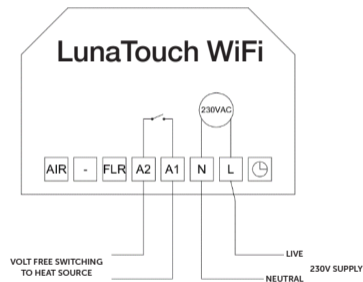
LunaTouch WiFi basic wiring diagram with switch live for heat item.



This product must only be installed in accordance with local installation regulations and by a qualified electrician.

WIRING DIAGRAMS

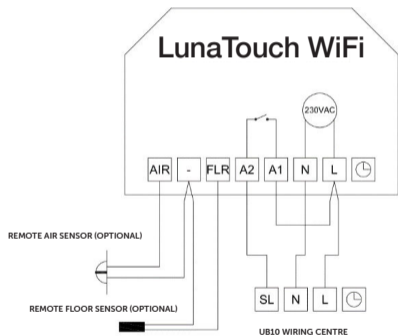
LunaTouch WiFi wiring diagram with volt free switching for heat item.



This product must only be installed in accordance with local installation regulations and by a qualified electrician.

WIRING DIAGRAMS

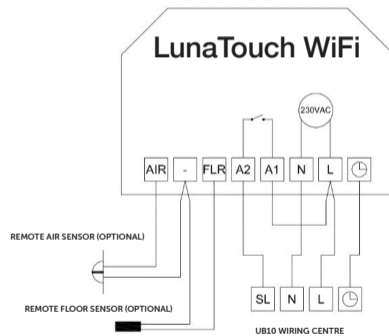
LunaTouch WiFi wiring diagram connecting to UB10 Wiring Centre.



This product must only be installed in accordance with local installation regulations and by a qualified electrician.

WIRING DIAGRAMS

LunaTouch WiFi basic wiring diagram in setback mode connecting to UB10 Wiring Centre.



This product must only be installed in accordance with local installation regulations and by a qualified electrician.

TECHNICAL SPECIFICATIONS

Power supply	230VAC ~ 50/60Hz
Output	Volt free
Switch rating	230VAC - 3A max
Operating temp range	0 - 40°C
3P - Terminals	Max 1.0mm ² wires
5P - Terminals	Max 3.0mm ²
IP rating	IP20 (installed)
Control pollution situation	Degree 2
Controller type	1X SPDT Type 1B
Software classification	A
Overvoltage category	III
Transmission frequency	2400 - 2483.5 MHz
WiFi transmission power	<19 dBm
Bluetooth transmission power	<9 dBm



Need more information or advice?
Contact our team of highly trained experts today.



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**LUNATOUGH WIFI
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