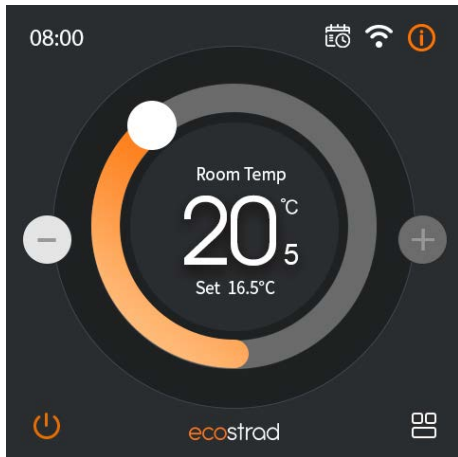


ecostrad

Touch 360

Wall Mounted
Controller

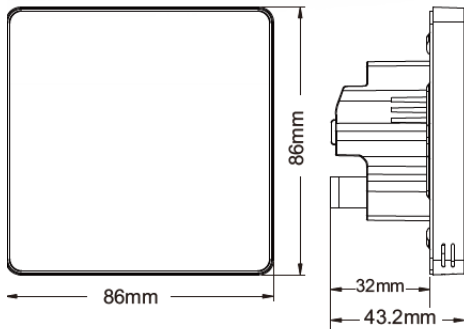


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1 | Features

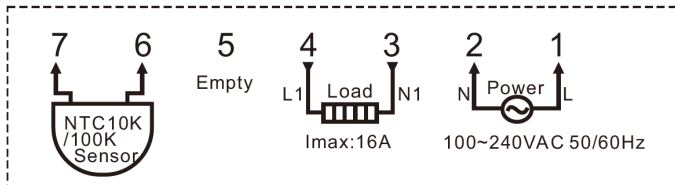
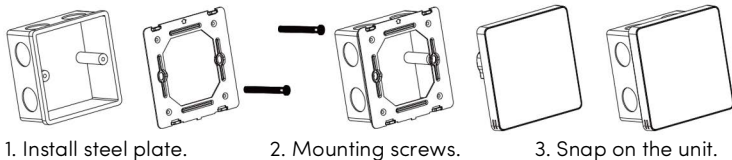
- 480x480 pixel 4-inch colour screen display
- PIN lock
- Energy monitor
- Frost protection
- Adaptive start
- 7-day program
- In-built room temperature sensor
- Optional floor temperature control option



2 | Specification

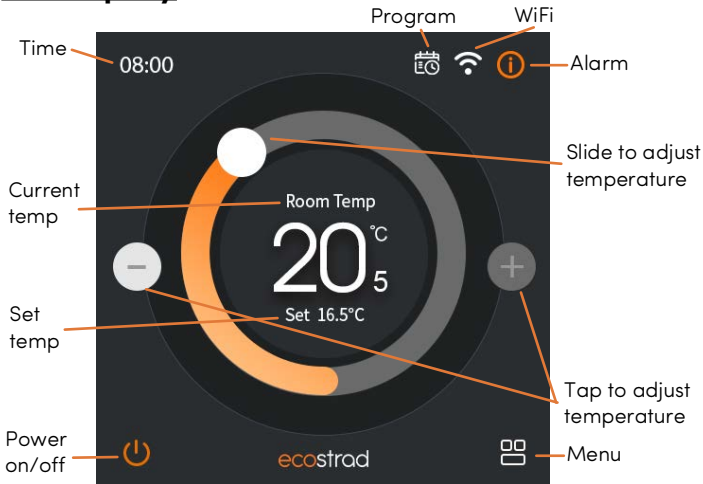
Power source	100-240 V AC, 50/60Hz
Room temperature display range	0 - 50 °C
Floor temperature display range	0 - 70 °C
Room temperature setting range	5 - 40 °C
External sensor control range	5 - 70 °C
Floor temperature protection range	5 - 70 °C
Accuracy	0.1 °C
External sensor	NTC 10K / NTC 100K
Storage temperature range	-20 °C - 70 °C; 5-90% humidity (no condensation)
Network frequency	2.4 GHz WiFi
Screen	4-inch IPS capacitive touch screen (71.86 x 67.96 mm)
Dimensions	86 x 86 x 12 mm
IP Rating	IP21

3 | Installation & Wiring Diagram



Note: The relay in this device supports a maximum load of 16A. However, heating cables and similar end devices may produce inrush currents at startup. To ensure the relay's longevity, a load of no more than 13A is recommended under normal conditions. Exceeding this may reduce the relay's service life.

4 | Display



WiFi icon

When visible, the device is connected to the internet

Flame icon

When visible, the device is actively sending the signal to heat

Alarm

White icon = no error

Yellow icon = error

Power on/off

Tap to enter standby mode.

Temporary override



will flash while temporary override is active. The temporary override temperature will continue until the next scheduled program change.

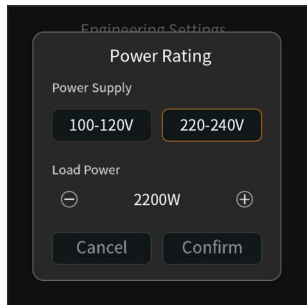
Temporary override is disabled when PIN lock is active.

5 | Initial Setup

When initially powered on, the device will prompt the user to set the Power Rating. Properly setting the Power Rating will ensure that the energy consumption is calculated accurately.

To set the Power Rating:

1. Select your power supply and load power
 - The load power should equal the sum of the wattages of connected heaters.
2. Tap **Confirm**
3. Power off device
4. Power on device



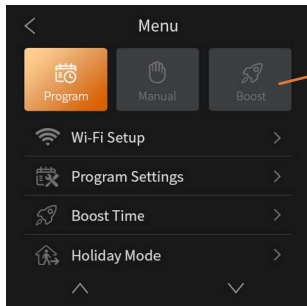
6 | Boost

Use the boost feature to signal your heaters to heat constantly for the duration of the boost. Cancel an active boost by selecting manual or program mode from the menu.

The default boost can be set from 30 minutes to 4 hours in 30 minute increments.

To customise the default boost:

1. Tap the menu button 
2. Tap **Boost Setting**
3. Set the boost duration
4. Tap **Confirm**
5. Tap the Boost icon to begin the boost



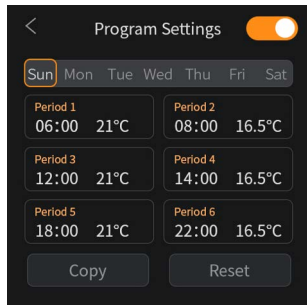
Tap the Boost icon to start a boost

7 | Program

Use the weekly program to ensure that your heat turns on at scheduled times of day, saving energy

To customise the current program:

1. Tap the menu button 
2. Tap **Program Setting**
3. Tap the weekday you wish to adjust
4. Tap the period you wish to adjust
5. Set the start time and temperature
 - Tap **Copy** to copy the daily program to another weekday
 - Tap **Reset** to reset the program to default.



Default Program

Period	Start Hour	Temperature
1	6:00	21 °C
2	8:00	17 °C
3	12:00	21 °C
4	14:00	17 °C
5	18:00	21 °C
6	22:00	17 °C

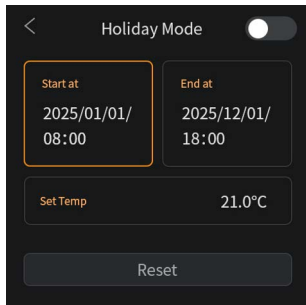
- The room will stay at Period 6's temperature until Period 1 starts the next day.
- If using a temporary override temperature while in program mode, the thermostat will return to the current program upon the next scheduled period.

8 | Holiday mode

Use holiday mode to save energy when you are away from home for an extended period of time

To activate holiday mode:

1. Tap the menu button 
2. Tap **Holiday Setting**
3. Set the start and end times
4. Set the away temperature
5. Swipe the switch in the upper right corner to activate holiday mode.
 - When active, the switch will be orange.



9 | Alarm information

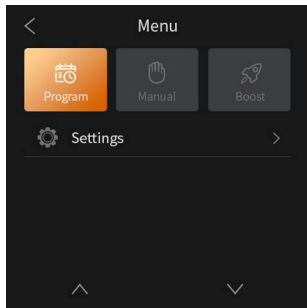
APP code	Local alarm prompt	Meaning	Heating?
E1	Built-in temperature sensor failure	Room temperature sensor has failed. Contact the manufacturer.	OFF
E2	External NTC sensor failure	External NTC sensor must be replaced. If not using an NTC, change the control system to "Room".	OFF
E3	High temperature alarm (floor)	In dual or floor control mode, the floor temperature is above the safety limit	OFF
E4	Low temperature alarm (floor)	In dual or floor control mode, the floor temperature is below the safety limit	ON

10 | Settings

The settings menu contains a variety of functions and parameters available to be tailored to the user's individual preferences and needs

To enter the settings menu:

1. Tap the menu button 
2. Tap the down arrow to move to the next page
3. Tap **Settings**



Setting	Default	Description
Brightness	Lv 3	Adjust the brightness level of the screen
Screen Timeout	15 seconds	The screen automatically dims after a period of time to save energy.
Power-Off Memory	ON	If ON, when the device loses power it will retain its settings and program.
Child Lock	OFF	Prevent unintended changes to the program or temperature
Mute	OFF	If ON, the beep is muted
Adaptive Start	OFF	If ON, the device will provide early heat to ensure that the room reaches the target temperature at the programmed time.
Frost Protection	OFF	If ON, the device will turn on heating in standby mode if the room temperature falls below 5 °C, and stop heating when the heat rises above 8 °C.

Setting	Default	Description
Open Window Function	OFF	To save energy, if the thermostat detects a sudden drop in temperature, it will stop heating. Please check if a window is open.
Time	24-Hour Clock ON & Time Sync ON	24-Hour Clock, if ON, will display the time in a 24-hour format. If OFF, will display the time in a 12-hour format. Time Sync, if ON will sync the thermostat's time to your device if connected to WiFi
Engineering Settings	/	Access to change advanced parameters.
Language	English	Choose between Chinese or English.
PIN Lock	OFF	Activate to lock down changes behind a PIN
Change PIN	1230	Change the PIN for the PIN lock and the Engineering Settings

11 | Engineering Parameters

Parameter	Default	Description
Control System	Room	Choose between Dual, Room, or Floor Dual: Thermostat is controlled based on the internal sensor. If floor temperature exceeds the safe limit of “max floor temp”, the system stops heating. If the floor temperature is lower than the limit of “min floor temp”, the system will force heating. Room: The thermostat is controlled by an internal sensor. The internal temperature is displayed as room temperature. Floor: The thermostat is controlled by an external sensor. The external temperature is displayed as room temperature.
Floor Temp Sensor	100K	10K or 100K

Parameter	Default	Description
Hysteresis	1.0 °C	0.5 to 5 °C (steps of 0.5 °C) Hysteresis value
Min Room Temp	5.0 °C	5 to 17 °C (steps of 1 °C)
Max Room Temp	30.0 °C	18 to 40 °C (steps of 1 °C)
Min Floor Temp	5.0 °C	5 to 20 °C (steps of 1 °C)
Max Floor Temp	40.0 °C	21 to 70 °C (steps of 1 °C)
Room Temp Offset	0.0 °C	-5 to 5 °C (steps of 0.5 °C)
Power Rating	220-240V 2200W	Define power supply voltage and load wattage to correctly calculate the energy consumption.
Factory Reset	/	Restore all parameters and program to the factory default values.

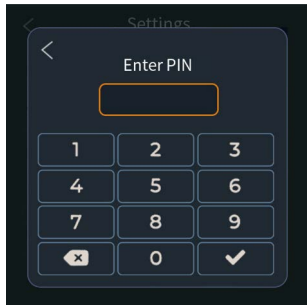
12 | PIN Lock

When the PIN lock is active, the device is locked in program mode and the default boost is available.

All other features are locked behind an adjustable PIN.

To enable the PIN lock:

1. Tap the menu button 
2. Tap the down arrow to move to the next page
3. Tap **Settings**
4. Tap the down arrow to move to the next page
5. Tap the slider to turn **PIN Lock** on.
6. Tap **Change PIN** to choose a new PIN.

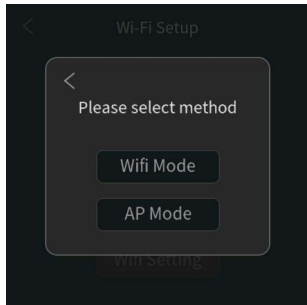


13 | Connect to WiFi

Download the Smart Life app from the App Store or Google Play, then follow the prompts to create an account

To activate pairing mode on the device:

1. Tap the menu button 
2. Tap **Wi-Fi Connection**
3. Tap **Wifi Setting**
4. Tap **Wifi Mode**
5. On the app, tap “+”
6. Tap **Add Device**
7. Select your device from the list
8. Enter your Wi-Fi information on the app, then tap **Next**
9. Once the device is fully paired, tap **Done**



14 | Warranty

The Ecostrad E-CR-WMC Wall Mounted Controller carries a 2-year guarantee.

What does the warranty cover?

Within the stated period, starting from the date the customer receives their unit, Ecostrad guarantee to repair or replace the unit where a fault is due to defects in materials or manufacturing.

What does the warranty NOT cover?

The warranty does not cover any defect arising from damage, negligence, usage outside the product's intended purpose or fair wear and tear. The warranty is only valid when the unit has been used at the specified supply voltage, and in accordance with all conditions specified in this manual. The warranty will be void if the unit has been covered or tampered with.

The warranty does not cover failures and faults due to force majeure, accidental damage, mishandling, external impact, chemical agents or atmospheric phenomena, incorrect use of the device, the purchaser's faulty electrical installations, transporting the device or problems caused by the device being handled by persons not authorised by

Ecostrad. If the unit has been installed, an invoice may be required to confirm the work was carried out by a qualified professional. Ecostrad cannot accept responsibility for damage, loss or injury caused by incorrect installation, maintenance, cleaning or covering the device.

How to claim

The warranty is a contract with the original purchaser and does not transfer if the unit is re-sold, gifted or inherited.

Proof of purchase, including order number and order confirmation or invoice, will be required if a claim is made.

The warranty covers only the model shown on the purchase invoice. The warranty covers the repair or replacement of the defective product only and Ecostrad shall have no liability for installation costs or consequential losses however incurred.

Claims must be made with the establishment where the device was purchased. This warranty does not affect the customer's consumer rights.

15 | Disposal



In accordance with WEEE Directive 2012/19/EU, the icon with the crossed-out waste bin on electrical or electronic equipment stipulates that this equipment must not be disposed of with household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your local authority.

The separate collection of waste electrical and electronic equipment enables the re-use, recycling and other forms of recovery of waste equipment, and prevents any negative effects for the environment or human health caused by the disposal of hazardous substances potentially contained in the equipment.

16 | Contact Information

For queries, contact:

The UK manufacturer

Ecostrad Ltd.
Unit 21 Ash Way
Avenue C
Thorp Arch Trading Estate
Wetherby
West Yorkshire
LS23 7FR

The ROI Importer

Ignition Heatco Ireland Limited
Unit 282
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Blanchardstown Corporate Park 2
Dublin
Republic of Ireland
D15 R65X

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