



WIFI Backlit Thermostat User Guide

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Product Features

- WIFI Control, Support both IOS & Android
- Compatible with Amazon Alexa and Google home
- Suitable for all electric heating up to 16 Amp max
- Economy Mode, manual mode & programmable Mode selection
- White Backlight
- Over-heating Protection
- Weekly Programmable (From APP only)
- Open window detection
- CE, ROHS certificate

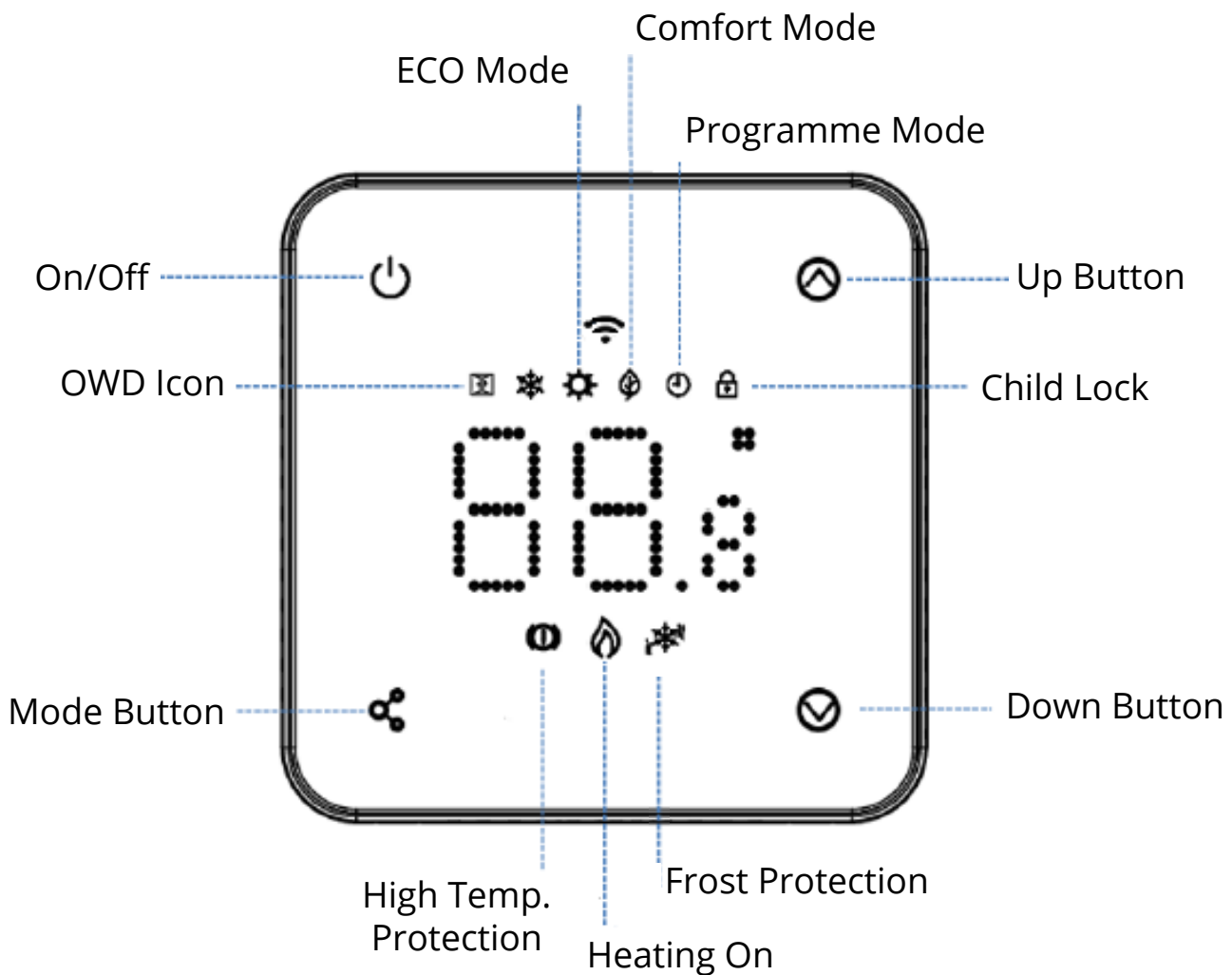
Technical Data

Voltage	230V, 50/60Hz	Backlight	White
Load Current	16A	Sensor	$\beta=3950$ R25°C=10K Ω
Temp. Setting Range	5~35°C	Accuracy	$\pm 0.5^\circ\text{C}$
Ambient Relative	0~50°C	Protection Class	IP30
Humidity	85%	Housing	ABS to UL94-5 fire retardant plastic

Connecting to Mobile or Tablet

1. Search for the "ECOSO" APP from Google Play store or Apple Store.
2. Install the ECOSO APP and follow the on-screen instructions to register the account.
3. On the thermostat Press and hold the On/Off button for 3 seconds until the screen shows the WIFI icon then tap the up button, the WIFI icon will now begin to flash on the screen, the thermostat is now in connection mode.
4. Open the ECOSO App and tap the + button in top right corner and tap 'Add Device'.
5. The App will now scan for nearby devices, when the thermostat is found tap on the image and follow the on-screen instructions.
6. Once the thermostat has been added, tap done and the thermostat temperature screen will open.

Screen and Display



Thermostat Controls

On/Off:

Tap On/Off button to turn the thermostat On/Off.

Temperature control:

To control the temperature use the up and down buttons to increase or decrease the temperature, the screen will show the current room temperature and the set temperature.

Mode Select:

Tap the mode button to select comfort, ECO or program mode. The temperatures for each mode can be set to the users preference, the mode selected will show on the screen.

Thermostat Setting

To enter parameter settings turn thermostat off, press and hold the mode and up buttons (bottom left and top right corners) for 5 seconds, press of the mode button will move to next item setting.

Menu	Description	Range	Default Value
01	Internal Sensor Temp. Offset	-8°C - 8°C	0
02	Set Point Max.	5°C - 35°C	35°C
03	Set Point Min.	5°C - 35°C	5°C
04	Sensor Select	0: Air 1: Floor 2: Air & Floor	2
05	Frost Protection Temp	ON: 5°C - 15°C OFF: --	5°C
06	External Sensor Temp. Offset	-8°C - 8°C	0
07	Floor Temp. Display	Read Only	
08	Floor Temp(Overheat) Limit	20°C ~80°C	32°C
09	Switching Differential	0°C ~3°C	0°C
11	Child Lock	0: Unlock 1: Lock	0
12	OWD function	0: OFF 1: ON	OFF
13	OWD Detect Time	2 - 30mins	15mins
14	OWD Drop temp. select (within detect time)	2 - 4°C	2°C
15	OWD Mode Exit time select. (Return to previous working status)	10 - 60min	30mins
17	Reset	Choose 1, then long press on/ off button till restart	
18	LED backlight Max. brightness level adjustment during operation	1 - 8	8
19	LED backlight min. brightness level adjustment during standby mode	0 - 8	0
20	Software No.		

Internal Sensor Temp. Offset:

You can adjust the Sensor Temp Offset in steps, from -8°C to 8°C

The thermostat's are configured to operate in standard domestic conditions, the Internal Sensor Temp Offset function allows users to adjust for any discrepancy between the room temperature and the temperature sensor by the thermostats internal sensor. For instance, if the temperature in the room is 18°C, but the internal sensor in the thermostat sensors 20°C, a compensation factor of -2°C will offset the difference. The accuracy of the thermostats internal sensor can be affected by influences such as being place behind furniture or if the thermostat is mounted such that the sensor is positioned in a hot or cold spot, e.g., near hot water pipes or by an open window.

Set Point Max:

The maximum set point of the thermostat can be set from 5~35°C, this can be used to regulate the heater if young children are within touching distance, the default setting is 35°C.

Set Point Min:

The minimum set point of the thermostat can be set from 5~35°C, this can be used to keep the room temperature above a desired temperature, the default setting is 5°C.

Sensor Selection:

On this thermostat, you can select which sensor should be used, you can select between air temperature only, floor temperature only, or both (default). When you enable both sensors, the floor sensor is used as a floor limiting sensor and is designed to prevent the floor from overheating.

Frost Protect Temperature:

This is the temperature maintained when the thermostat is in Frost Mode. When room temperature drops below set point (default 5°C), the thermostat will turn on the heating.

Floor Temp. Display:

When the Sensor Select is select to used both air sensor & floor sensor, here you can read the floor temperature.

Temp(Overheat) Limit:

This function is available when the Sensor Select is set to Air & Floor. You can set a floor limiting temperature between 10-35°C (32°C is the default setting). When the thermostat is in Overheat mode, the screen will show the high temp protection icon, when the floor temperature is lower than the overheat set point, the thermostat will exit overhead mode, and resume previous working mode.

Switching Differential:

This function allows you to increase the switching differential of the thermostat. The default is 0°C which means that with a set temperature of 20°C, the thermostat will switch the heating on at 19.5°C and off at 20.5°C. With a 0.5°C differential, the heating will switch on at 19°C and off at 21°C.

Child Lock:

This feature is used to enable/disable the child lock function. When the child lock is enabled, you can press the up and down buttons at the same time to unlock screen temporarily.

OWD Function:

This function allows you to save energy. When enabled the Open Window Detection function will automatically stop heating when it detects a sudden drop of room temperature (2°C in 15 minutes as default). The device will return to the previous mode of operation after 30mins and the open window icon will disappear. Pressing any button will exit OWD function during the heating off period.

OWD Detection Time:

The OWD time setting, between 2-15mins (15 mins is the default setting).

OWD Drop temp. select:

The OWD temperature drop setting, between 2-4°C (2°C is the default setting).

OWD Mode Exit time select:

The OWD exit time setting between 10~60min (30min is the default setting).

Reset:

There are two methods to factory reset, long press the up and down buttons for 5 seconds to restart, or go to feature 17, press button 1 then long press on/off button until the thermostat restarts.

LED back light Max. brightness:

The max brightness of the screen can be set from levels 1~8

LED back light min. brightness:

The min brightness of the screen can be set from levels 0~8

Adjustment both Min and Max brightness while in standby mode

Software No.

This is the version of software currently being used

App Controls

Settings Menu:

Weekly Program (from App Only):

1. Tap settings and select 'Weekly Program'.
2. Chose the day (Mon-Sun)
3. Choose period 1 and set a time.
4. Add a name to the period if required, for example 'Morning'.
5. Add an icon if required from the list provided.
6. Set a target temperature.
7. Tap save.
8. Repeat for each period 1 - 4 and for each day Mon - Sun.

Note: The thermostats lowest temperature setting is 5°C (frost Protection), for Off set to 5°C.

Child Lock:

Use the toggle to turn on/off

Temperature control:

To control the temperature use the up and down buttons or the temperature slider to increase or decrease the temperature, the screen will show the current room temperature and the set temperature.

Temperature Correction:

You can adjust the Sensor Temp Offset in steps, from -10°C to 10°C

The thermostat's are configured to operate in standard domestic conditions, the Internal Sensor Temp Offset function allows users to adjust for any discrepancy between the room temperature and the temperature sensor by the thermostats internal sensor. For instance, if the temperature in the room is 18°C, but the internal sensor in the thermostat sensors 20°C, a compensation factor of -2°C will offset the difference. The accuracy of the thermostats internal sensor can be affected by influences such as being place behind furniture or if the thermostat is mounted such that the sensor is positioned in a hot or cold spot, e.g., near hot water pipes or by an open window.

Set point Max:

The maximum set point of the thermostat can be set from 5 - 100°C, this can be used to regulate the heater if young children are within touching distance, the default setting is 35°C.

Set point Min:

The minimum set point of the thermostat can be set from 0 - 100°C, this can be used to keep the room temperature above a desired temperature, the default setting is 5°C.

Frost Protection:

Use the toggle to turn on/off

Mode Menu:

Use the mode button to switch between Manual, ECO and Auto.

Schedule Menu:

You can set a weekly schedule from the App, this is similar to the weekly program but has more flexibility as more schedules can be added.

1. Tap Schedule and then tap Add.
2. Select a time.
3. Select a day Mon - Sun.
4. Select an option 'Switch' on/off and tap confirm.
5. Tap save to save the schedule.
6. To add further schedules tap Add and repeat.
7. Once all schedules are set for each day they will show in the Schedule screen.

General App Settings

Setting up Multiple Users:

If multiple users are required to operate the system you will need to first set up a home within the App, if products have been already added a Home will already be created under the title 'My Home'.

1. Open the ECOSO App.
2. Select 'Me' in the bottom right corner.
3. Select 'Home Management', select 'My Home' enter the home name, this can be anything you would like to call your home, for example 'Smith Family' you can also select a location if needed and select which rooms will be available.
4. Click Save in the top right and then either visit home or done.
5. In the Home settings screen, you can now add members.
6. To create additional homes, select 'Home Management' and Create a Home. select 'Home Management' and Create a Home.

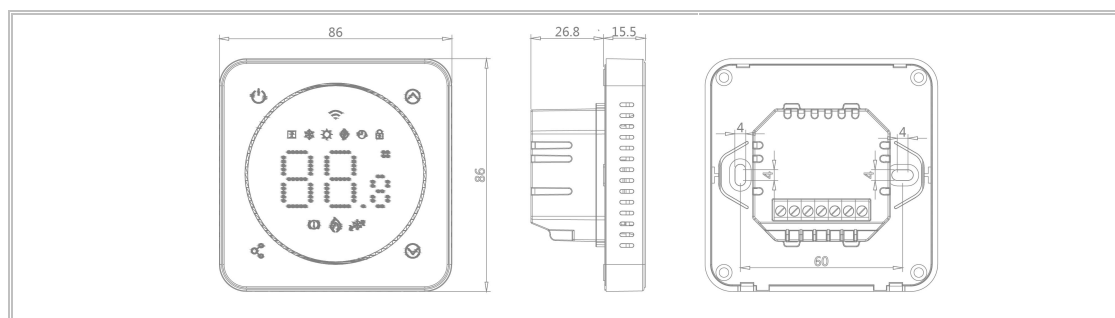
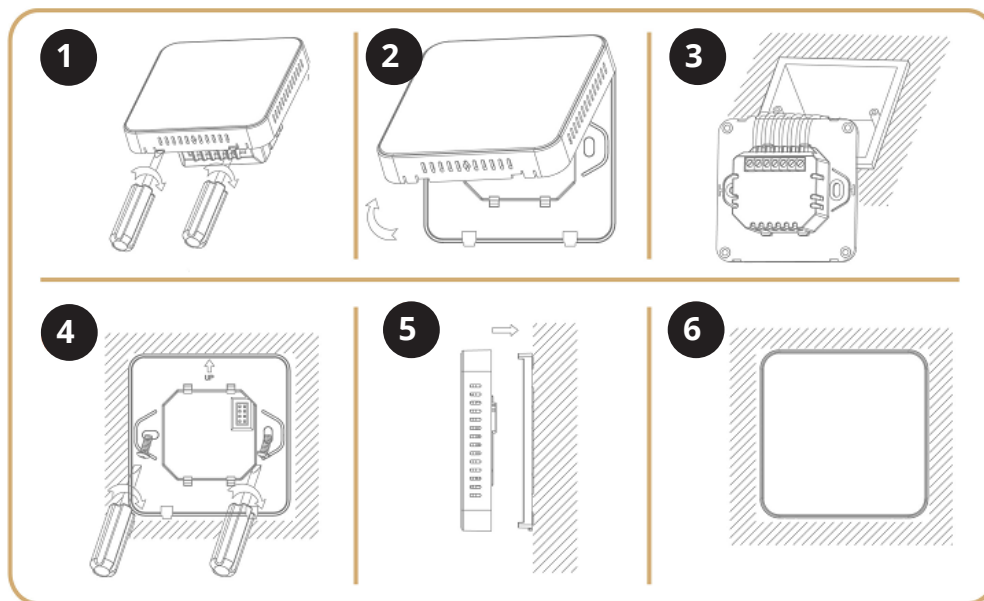
Adding a Member to Home Group

1. From the 'Home Management' screen select the 'Home Management' screen select the family group you would like to add to and select 'Add Member'
2. You can now share an invitation via Email or a number of messaging Apps, the family member must have downloaded the ECOSO App and registered.
3. Once invited the new member will display under 'Home Member' you can set a name and permissions for the member by tapping on the new member.
4. Once the invitation has been accepted the new user can operate all devices in the home group.

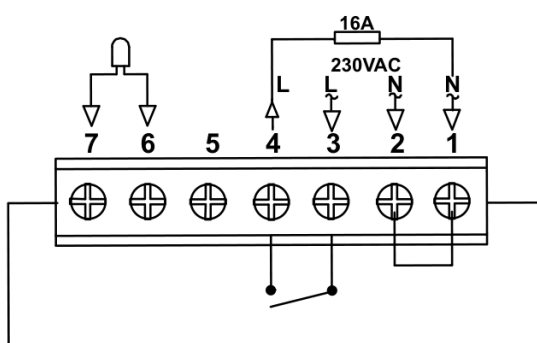
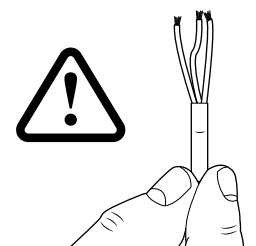
Thermostat Installation

This product is only suitable for use electric radiators and underfloor heating up to 16 Amp.
Do not throw away packaging until you have located and confirmed that you have all included parts, and the product is in good condition.
Check the device for damage before installation.
If the device is found to be damaged it should not be used.
Do not let children operate the device without supervision of an adult.
This thermostat has no serviceable parts, never dismantle the element as this will invalidate the warranty and could lead to injury.
Always disconnect the power before installing or removing the thermostat.
This thermostat must be installed by a qualified or fully competent person.
The thermostat should only be connected to a power outlet in good condition.
All local electrical regulations must be adhered to when installing the thermostat.

Tools required for installing:



Electrical Installation



Main Connection

Brown (Live) - Connection to number 3 (L)
Blue (Neutral) - connection to number 2 (N)

Load

Live (Brown) - connection to number 4 (L)
Blue Neutral - Connection to number 1 (N)

External Temp Sensor - Connection to 6 & 7

Aftercare

Clean any marks with a soft dry or damp cloth, if you are unsure, please contact us first.

Your Guarantee

- To find the specific guarantee for your products please refer to the website.
 - The guarantee starts from the date of purchase.
 - The guarantee covers you against issues caused as a result of manufacturing related issues, it does not apply to issues that are found to be a result of poor installation.
 - Labour costs for installation of the product are not covered under this warranty.
-

Recycling and Disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive) is the European Community directive 2012/19/EU on Waste Electrical and Electronic Equipment (WEEE) which, together with the RoHS Directive 2002/95/EC, became European Law in February 2003

The WEEE directive aims to reduce the amount of electrical equipment being produced and to encourage everyone to reuse, recycle and recover it.

In support of these guidelines and for environmental safety, do not dispose of any electrical equipment including those marked with the below symbols

When replacing old electrical devices with new ones the retailer is legally obligated to take back your old items for disposal free of charge. You can also recycle your old electrical devices free of charge at your local recycling centre. Please contact your local council for more information.

Please recycle the packaging in accordance with your local government regulations on waste handling and follow the same advice at the end of the products life.

Product - Plastic/PCB

Packaging - Cardboard

Contact us

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