



WIFI Touch Screen Thermostat User Guide

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Product Features

- WIFI Control, Support both IOS & Android
- 4.3 inch colour touch screen
- Suitable for all electric heating up to 16 Amp max
- Economy Mode, manual mode & programmable Mode selection
- 7 day Programmable
- Over-heating Protection
- Multi-language select
- Open window detection
- CE, ROHS certificate

Technical Data

Voltage	230V, 50/60Hz	Backlight	Color
Load Current	16A	Sensor	NTC3950, 10Kohms at 25°C
Temp. Setting Range	5~35°C	Accuracy	± 0.5°C
Ambient	0~50°C	Protection Class	IP30
Relative 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 WIFI icon for 3 seconds, then Press the WIFI symbol to enter 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

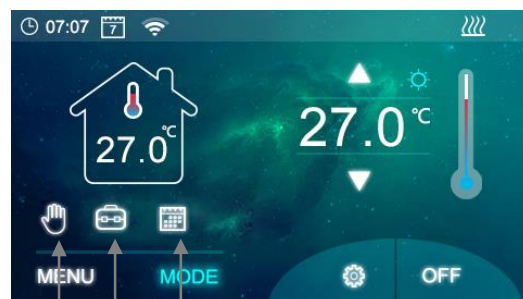
Home Screen



Menu Screen



Mode Screen



Mode temp preset

Language select
& Clock setting

Protection setting

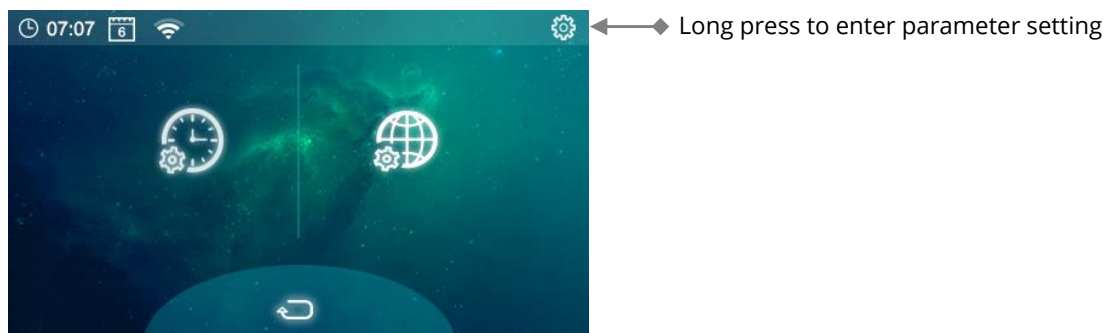
Manual mode

Holiday Mode

PRG. Mode

Thermostat Controls

Parameter Settings



Menu	Description	Range	Default Value
01	Temp Calibration	-10 °C ~10°C	0
02	Setting Temp Max.	0 °C ~35°C	35°C
03	Setting Temp Min.	0 °C ~35°C	5°C
04	Dead Zone	0 °C ~3°C	0°C
05	NTC Select(Internal, External)	I only, E only, I & E, I or E	I & E
06	Relay Output	Normal(NO); Inverted(NC)	NO
07	Min Brightness	2~100	35
08	Backlight Time	15~125	30
09	Reset	Press right/confirm/reseting...	Press right
	Software version no.	3148-01-01	

Temp Calibration:

You can adjust the temperature calibration in steps, from -10°C to 10°C

The thermostat's are configured to operate in standard domestic conditions, the temperature calibration 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 placed 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.

Max. setpoint limit:

The maximum set point of the thermostat can be set from 0~35°C, this can be used to regulate the heater if young children are within touching distance, the default setting is 35°C.

Min. set point limit:

The minimum set point of the thermostat can be set from 0~35°C, this can be used to keep the room temperature above a desired temperature, the default setting is 5°C.

Dead Zone:

This allows you to set the range of temperatures below the set point at which the thermostat does not call for heat. For example, at a 21°C set point and a 2°C dead zone, the temperature will drop to 19°C degrees before heating is activated, raising the temperature back to 21°C, the temp range is 0-3°C, the default is 0°C.

NTC select:

This function is used to tell the thermostat which temperature sensor to use, internal (room) temperature sensor or external (UFH) sensor, the default setting is I & E (internal & External), if the external temperature sensor is not used the thermostat will just use the internal sensor.

Min Brightness:

Allows you to set the brightness of the screen.

Reset:

Restores all default settings.

Back light time:

Allows you to adjust the back light on time.

Software version no:

Shows the software version currently being used.

Back to menu 1:

Returns back to Menu 1

7 day Program Setting

From the menu screen tap the 'Programme Setting' icon, the weekly schedule will show on the display Fig. 1
To set the schedule tap the calendar icon to display the time/temp set screen, Fig. 2 for day 1
Use the up/down arrows to set time on/off and temperature required, there are two time zone settings per day
Once complete tap the tick to save the settings.
Tap the return icon to return to the main schedule page and repeat for all days

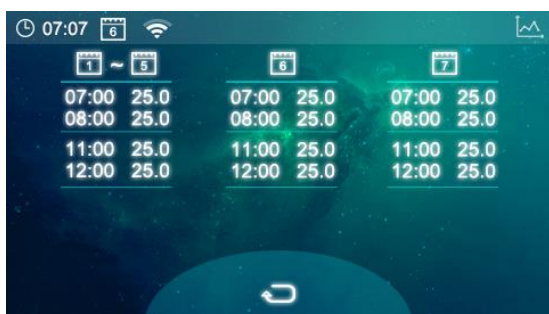


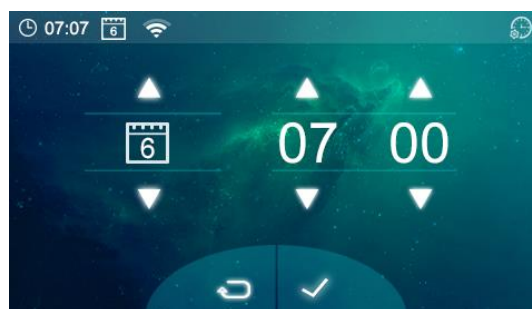
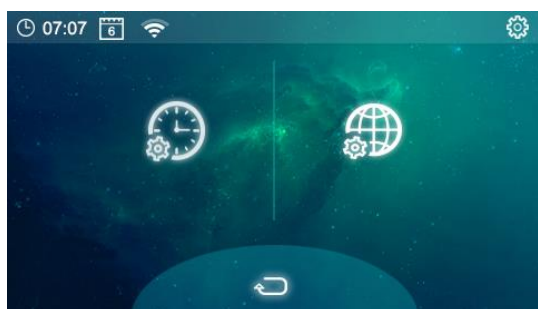
Fig. 1



Fig. 2

Clock, Date & Language Settings

Tap the language select & clock settings icon to enter the settings screen, tap the clock to set the time and day or the world icon to change the language.
The time and day will automatically set once a WIFI connection is established.



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.

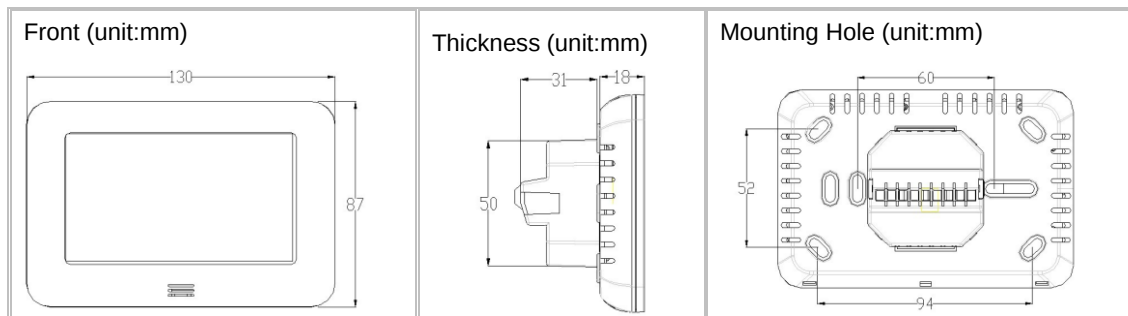
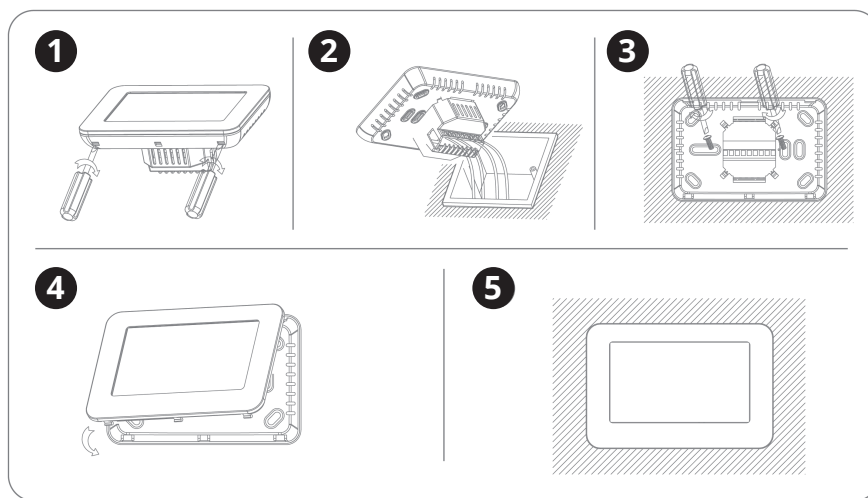
Adding a Member to Home Group

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

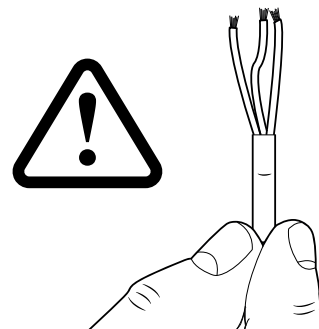
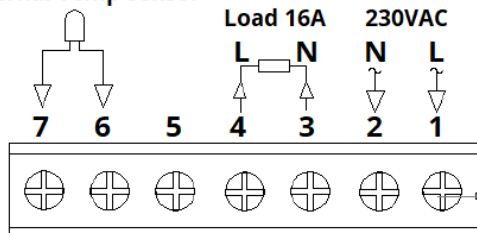
This product is only suitable for use electric radiators and underfloor heating up to 16 Amp.
Do not throw away packaging until you have located and confirmed that you have all included parts, and the product is in good condition.
Check the device for damage before installation.
If the device is found 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

External Temp Sensor



Main Connection

Brown (Live) - Connection to number 1 (L) Blue (Neutral) - connection to number 2 (N)

Load

Live (Brown) - connection to number 4 (L) Blue Neutral - Connection to number 3 (N)

External Temp Sensor - Connection to 6 & 7

Note: the external temperature probe is for underfloor heating only, if the external probe is not fitted the thermostat will read the room temperature.

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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