Heatit WIFI PANEL HEATER v2

Installer's manual

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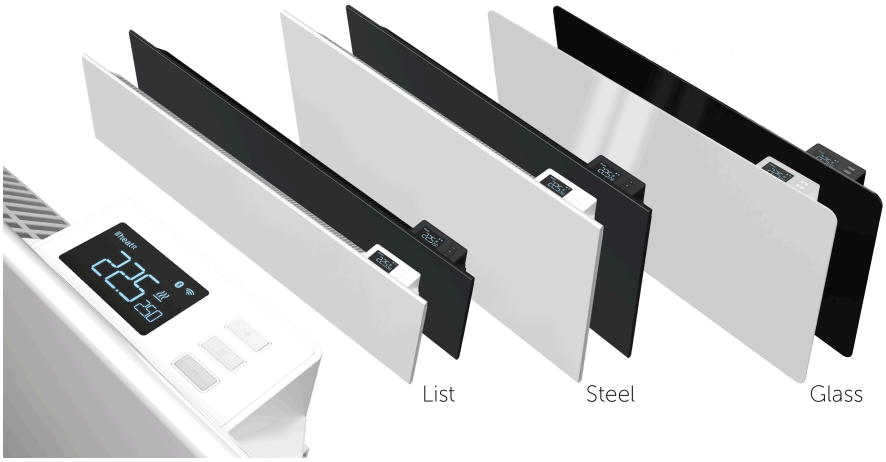

MyHeatit App

Works with MyHeatit

GET IT ON Google Play

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REACH Compliant

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1. INTRODUCTION

The Heatit WiFi Panel Heater combines modern design with efficient, comfortable heating. Easily connect it to your Wi-Fi network and take control with the "MyHeatit" App. Turn the heater on or off, adjust the temperature, change heating modes, and monitor energy consumption directly from your smartphone – even when you're away. You can also control the heater using the physical buttons on top or integrate it with other systems through its open API over Wi-Fi.

Heatit WiFi Panel Heater has 2 modes; Heat and Eco.

Heatit WiFi Panel Heater has a modern, slim design and is aesthetically pleasing. Produced with the front in either steel or glass. It is easy to install and mount on the wall with the supplied bracket. The panel heater can also be mounted on metal feet, sold separately (Art. no. 54 305 12). The panel heater has a built-in tip-over protection that automatically disconnects the power if it tips over.

Heatit WiFi Panel Heater is a low-temperature panel heater with a maximum surface temperature of 58°C, designed for environments where safety and comfort are important. The low surface temperature makes it particularly suitable for kindergartens, schools and other areas where children and many people are present.

With an IP24 rating, the Heatit WiFi Panel Heater is suitable for use in bathrooms and wet rooms. The heater combines safe and comfortable heating with a modern design and smart control via WiFi.

The output power can be adjusted from the menu or from the app. It has child lock and open window detection. The device has an open API and supports Amazon Alexa and Google Home.

The installer can configure the device via Bluetooth. After the devicve is set up, the installer can add the property to the customer. The customer can then transfer the device to their local Wi-Fi network.

Heatit WiFi Panel Heater has active power metering and it gives you real time information about your power consumption.

Heatit WiFi Panel Heaters come in two versions: traditional convectors and skirting panel heaters. Traditional convectors are available in steel or glass, while skirting panel heaters are offered in steel only. The heaters are available in outputs from 400W up to 1500W and in white or black, depending on the model.

2. SAFETY ADVICE

READ THIS NOTICE CAREFULLY BEFORE OPERATING THE APPLIANCE.

This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

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Children of less than 3 years should be kept away unless continuously supervised.

Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

WARNING / CAUTION

- Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- In order to avoid a hazard due to inadvertent resetting of the thermal cutout, this appliance must not be supplied through an external switching device, such as a timer, or connected to a circuit that is regularly switched on and off by the utility.
- In order to avoid overheating, do not cover the panel heater.
- The heater must not be located immediately below a socket-outlet.
- Do not use this heater in the immediate surroundings of a bath, a shower or a swimming pool.
- Fixed heaters are to be installed so that switches and other controls cannot be touched by a person in the bath or shower.

Warning: this product shall be installed in Volume 2 only, according to national wiring rules.

Note: The drawing below is for reference only. We suggest that you contact a professional electrician for assistance.

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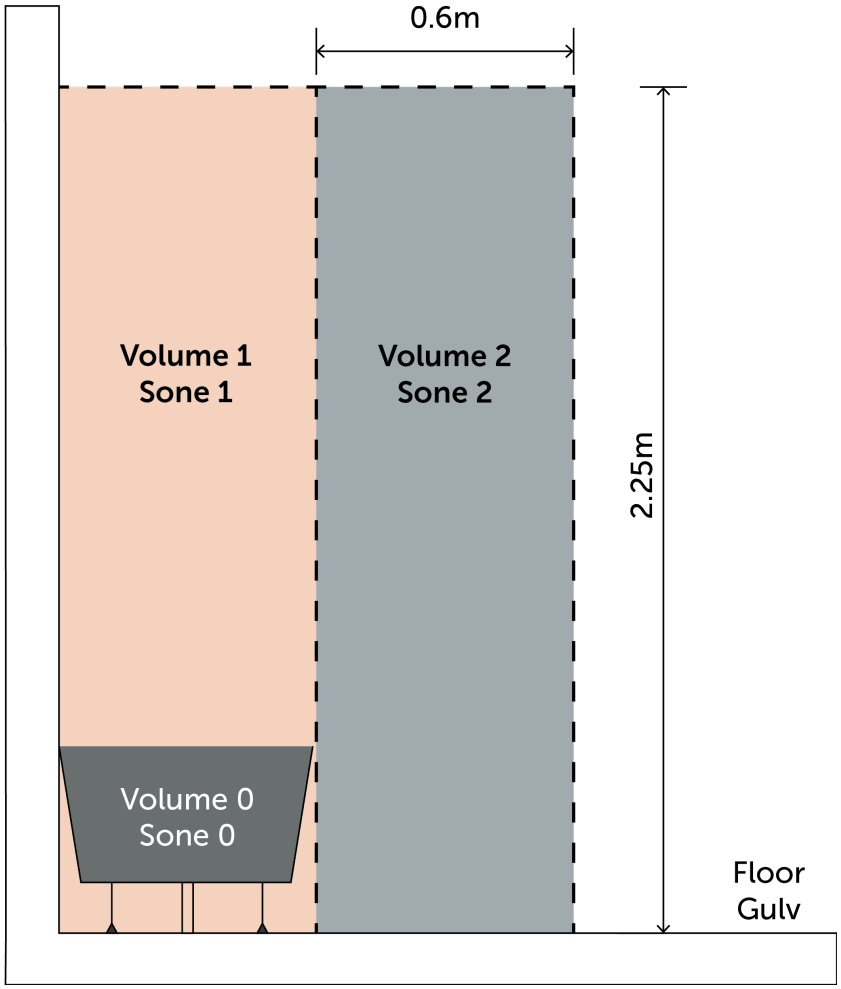

3. INSTALLATION

Make sure that the distance from walls and objects is respected.

1. Put the mounting bracket on the wall as a guide ruler (please make sure the holes are parallel and level), use a marker to mark the hole positions.
2. Drill holes in the wall with Ø8mm drill bit and insert the plastic wall plug if necessary.
3. Fasten the mounting bracket on the wall with the screws, make sure the mounting bracket is in the correct orientation.
4. Gently insert the bottom of the heater body to the mounting bracket first and then push the heater body such that it hooks onto the whole mounting bracket. Turn the locking screws 90° to secure the panel to the top of the bracket.
5. Installing the panel heater with a longer distance from the floor (more than 100mm) will improve the convection.

WARNING

- Ensure that the distance from the heater to the floor, walls, and other objects is maintained, keeping at least 100mm of clearance.
- When drilling holes, always check to ensure there is no wiring, pipework, etc. in the area to be drilled.

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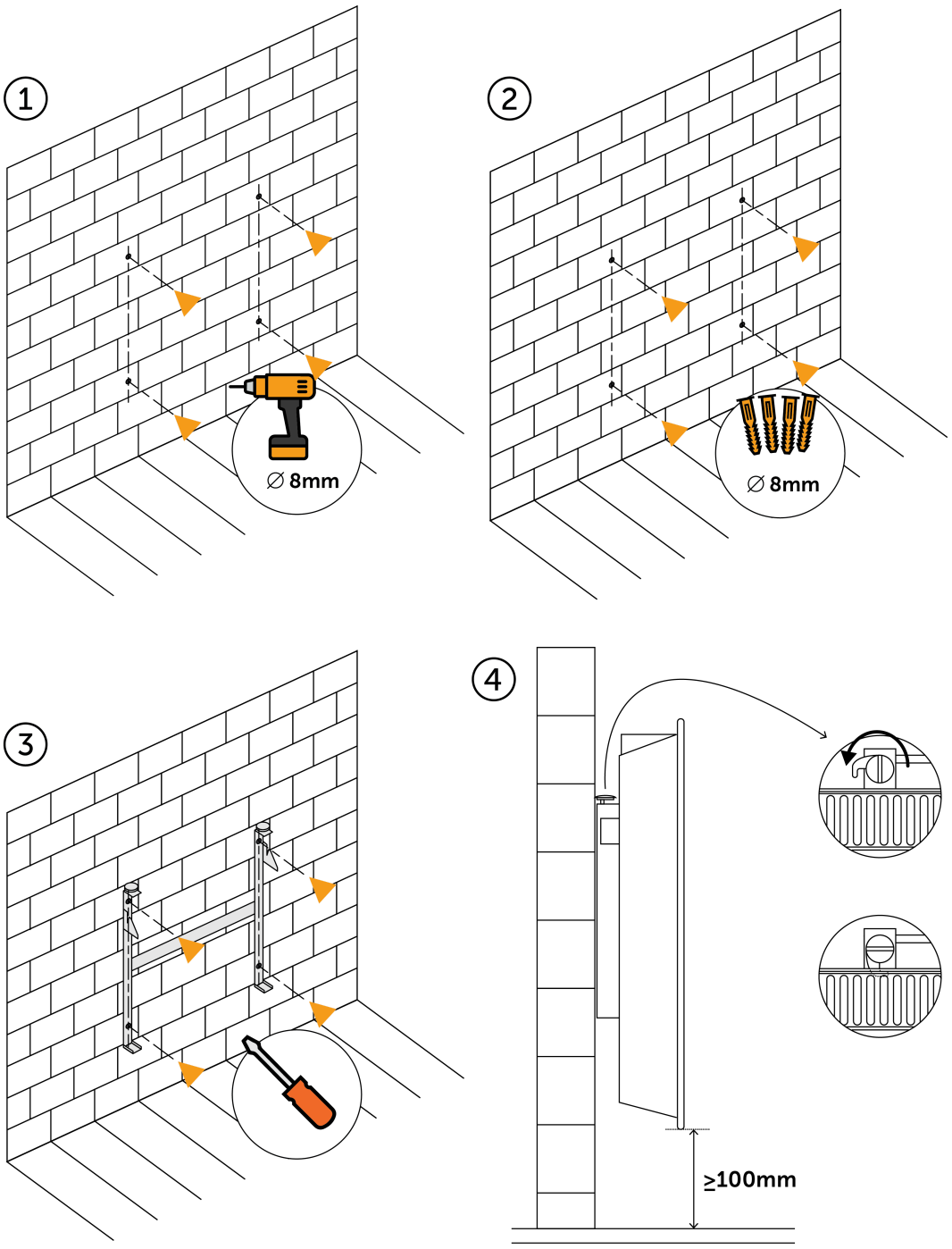
- Before plugging in the unit make sure the radiator is properly attached to the wall.



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4. THERMOSTAT CONTROLS

Icon	Name	Description
+	Up	Next. Increase set temperature.
≡	Middle	Menu confirm. Menu enable.
—	Down	Previous. Decrease set temperature.

5. LOCAL SETTINGS MENU

To enter the settings menu, hold the Center button for 5 seconds. The display will show "OFF".

You are now in the settings menu.

While in the settings menu, "SET" will be shown in the bottom right of the display. You can now scroll up and down using the Up and Down buttons.

Some options have submenus. To navigate the submenus, press the Center button once to enter or exit the submenu. Press the Up and Down buttons to find your desired value and hold the Center button for 2 seconds to confirm your selection. "STOR" will appear to indicate settings are stored.

6. STARTUP

After powering up the device for the first time, all parameters will have default settings.

7. WI-FI NETWORK SELECTION

The device supports 2.4GHz networks only.

8. ADD/REMOVE

Please read this before installation

Upon connecting the device to power, it will automatically enter add mode for a duration of 60 minutes. During this time the device can be added to the "MyHeatit" App without starting add mode locally on the device.

To remove a device, find the device in the "MyHeatit" App and choose "Delete this device". If this is not possible, perform a "Factory reset".

8.1. WI-FI AND BLUETOOTH

Manual add mode is indicated on the device by rotating LED segments in the display. It indicates this for 90 seconds until a timeout occurs, or until the device has been added to the network. Add mode may also be cancelled by performing the same procedure as for starting add mode.

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To include the device in the "MyHeatit" App, using either Wi-Fi or Bluetooth.

1. Ensure device is in either manual, or automatic add mode.
   1.1. Manual add mode
      - Hold the Center button for 5 seconds. The display will show "OFF".
      - Press the Down button once to see "CON" in the display.
      - Press the Center button and go to "APP".
      - Start the configuration mode on the device by holding the Center button for approximately 2 seconds.
   1.2. Automatic add mode
      - Power on the device and proceed within 60 minutes.
2. In the "MyHeatit" App, choose "Add Device".
3. Choose Wi-Fi or Bluetooth.
4. Search for your device and select it or scan the QR code.

When a device is added to Bluetooth it is not accessible from the internet. You need to be within Bluetooth range of the device to control it.

The device is now ready for use with default settings.

NB! When the device is removed from the "MyHeatit" App, the parameters are reset. If inclusion fails, please perform a "Factory reset".

Automatic add mode is not shown but is active for 60 minutes after power is applied if the device is not already included.

9. QR CODE INCLUSION

The QR code simplifies the inclusion process, allowing the device to be added quickly and easily by scanning the code. The QR code is located on the product.

10. FACTORY RESET

Enter the menu by holding the center button for about 5 seconds, navigate in the menu with the "-" button till you see "FACT". Press the center button until you see "-- --" blinking in the display, then hold for about 5 seconds to perform a reset. You may also initiate a reset by holding the up and center buttons for 60 seconds.

When either of these procedures has been performed, the thermostat will perform a complete factory reset. The device will display "RES" for 5 seconds while performing a factory reset. When "RES" is no longer displayed, the thermostat has been reset.

11. DISPLAY MENU STRUCTURE

See flowchart at the end of this manual.

12. STANDBY AND MAIN SCREEN

When the thermostat remains untouched for a while, it will automatically go to the standby screen. The standby will by default show the setpoint temperature.

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13. TEMPERATURE SHOWN IN DISPLAY

During standby, the display shows the setpoint by default. You can change what is shown by choosing either measured temperature "RELT", or the setpoint "SETT".

You select "SETT" or "RELT" via holding down the center button for 2 seconds on the "MODE" menu choice, or by adjusting Parameter "Temperature display".

Description	Menu Structure
Temperature display	Center button 2 seconds on MODE

14. MIN/MAX TEMPERATURES

The thermostat allows you to set a minimum and maximum temperature for the sensor.

You set the "MIN" or "MAX" values via the menu option, or by setting Parameter "Internal sensor min temp limit" and Parameter "Internal sensor max temp limit".

Description	Menu Structure
Min temperature limit	MIN
Max temperature limit	MAX

15. CALIBRATION

If the temperature sensor readout is inaccurate, you can correct it by up to ±6°C. You calibrate using the CAL menu option or by adjusting Parameter "Calibration". The app and thermostat then show the calibrated value.

Description	Menu Structure
Internal sensor	CAL

16. BRIGHTNESS

The display brightness for active and standby states is managed separately. You can set the values from the menu using the menu options "BR1" for active display brightness, and "BR2" for standby display brightness under the "BRIT" menu, or by setting Parameters "Active display brightness" and "Standby display brightness". To turn off the display in standby mode, set the "standby display brightness" to 0.

Description	Menu Structure
Active display brightness	BR1
Standby display brightness	BR2

17. OPEN WINDOW DETECTION

Open Window Detection (OWD) is a function which will reduce the thermostat setpoint on detection of an open window. This happens when the temperature sensor registers a rapid temperature drop.

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When OWD is activated, the setpoint is reduced to 5°C in order not to waste energy. OWD will automatically be cancelled if it has been active for more than 1 hour, or if the temperature increases by 3°C. OWD can also be cancelled manually by increasing/decreasing the setpoint with the Left and Right buttons.

You enable or disable "OWD" via the OWD menu option, or by setting Parameter "Open window detection".

Description/Name	Menu Structure
Open window detection	OWD

18. LOAD LIMIT

The Load Limit (LoLi) parameter can limit the power consumption of the device. This allows you to reduce the wattage the device consumes to better suit your heating needs. The load limit parameter uses increments of 100W per step.

19. KWH VALUE IN MENU

The device supports power metering to give insight into the power consumption of the device. The total consumption of the device can be seen from the "KWH" menu option. Enter the "KWH" submenu by pressing the center button once to see the total consumption, hold the center button for 2 seconds within the "KWH" submenu to reset it.

Description	Menu Structure
Total consumption in kWh	KWH

20. DISPLAY ICONS

Icon	Description
	This icon will be displayed while the device is in Heat or ECO and is currently heating.
	This icon shows the current signal strength.
	This icon shows when it has an active Bluetooth connection.

21. CHILD LOCK

Child lock prevents local button operations on the display.

Hold the "-" and "+" buttons for 10 seconds. When enabled, "LOCK" appears on the display; when disabled, "OPEN" is shown.

Description/Name	Menu Structure
Child lock	"-" and "+" buttons 10 seconds

22. DISABLE BUTTONS

This function can be used to either fully lock the buttons, or to lock the menu.

When Lock Menu is enabled, it has to be disabled from the App or by factory resetting the device from the buttons.

23. API

The device features an Open API, enabling integration and remote control over the internet without requiring the use of the "MyHeatit" App. This means the device can be integrated into any system capable of sending and receiving data through an API, allowing developers to build custom solutions and automate interactions using standard HTTP requests.

24. CONFIGURATION PARAMETERS

Heatit products are supposed to work out of the box after inclusion. Some device configuration may, however, alter the functionality to better serve user needs or unlock further enhanced features.

The complete list of parameters can be found on the Heatit Document Center on the relevant device.

25. INDICATOR

The device has an indicator function that will flash the display. This can be used while including to identify a device, and allow for it to be linked to the correct room within the "MyHeatit" App.

26. FIRMWARE UPDATE - OTA

In order to update a Wi-Fi product using the integrated OTA function, the product must be added to the "MyHeatit" App using Wi-Fi, and the product must have access to the Internet.

Open the settings for the device you want to update and press the "Update Firmware" button. This will check if a newer version is available, if there is one, it will be downloaded and installed.

27. SAFETY FEATURES

The device has safety features to ensure safe operation and warn the user of any faults/unexpected behavior.

27.1. OVERHEATING

The device features internal temperature sensors that detect overheating. It warns the user and turns off the output to prevent any damage.

When overheating is detected, the device will:

- Turn off the output.
- Display Err6 in the display.
- Send a notification through the "MyHeatit" App.

27.2. SENSOR FAILURE

The device has the ability to detect when the sensor is broken or otherwise defective.

When the device detects the sensor error, the device will:

- Turn off the output.

To clear the sensor error the device has to be disconnected from the mains. If the fault persists after reconnecting, contact support.

27.3. TIPOVER PROTECTION

The device has the ability to detect when the device has fallen over.

When the device detects tipover, the device will:

- Cut its own power.

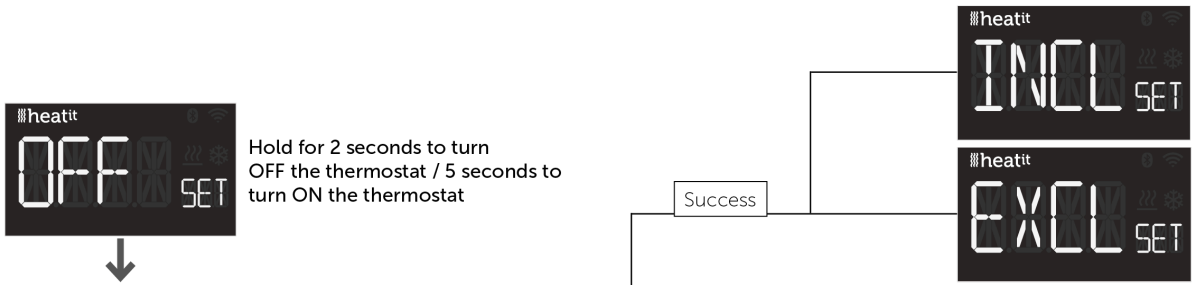
To clear the error the device has to be righted. If the fault persists after reconnecting, contact support.

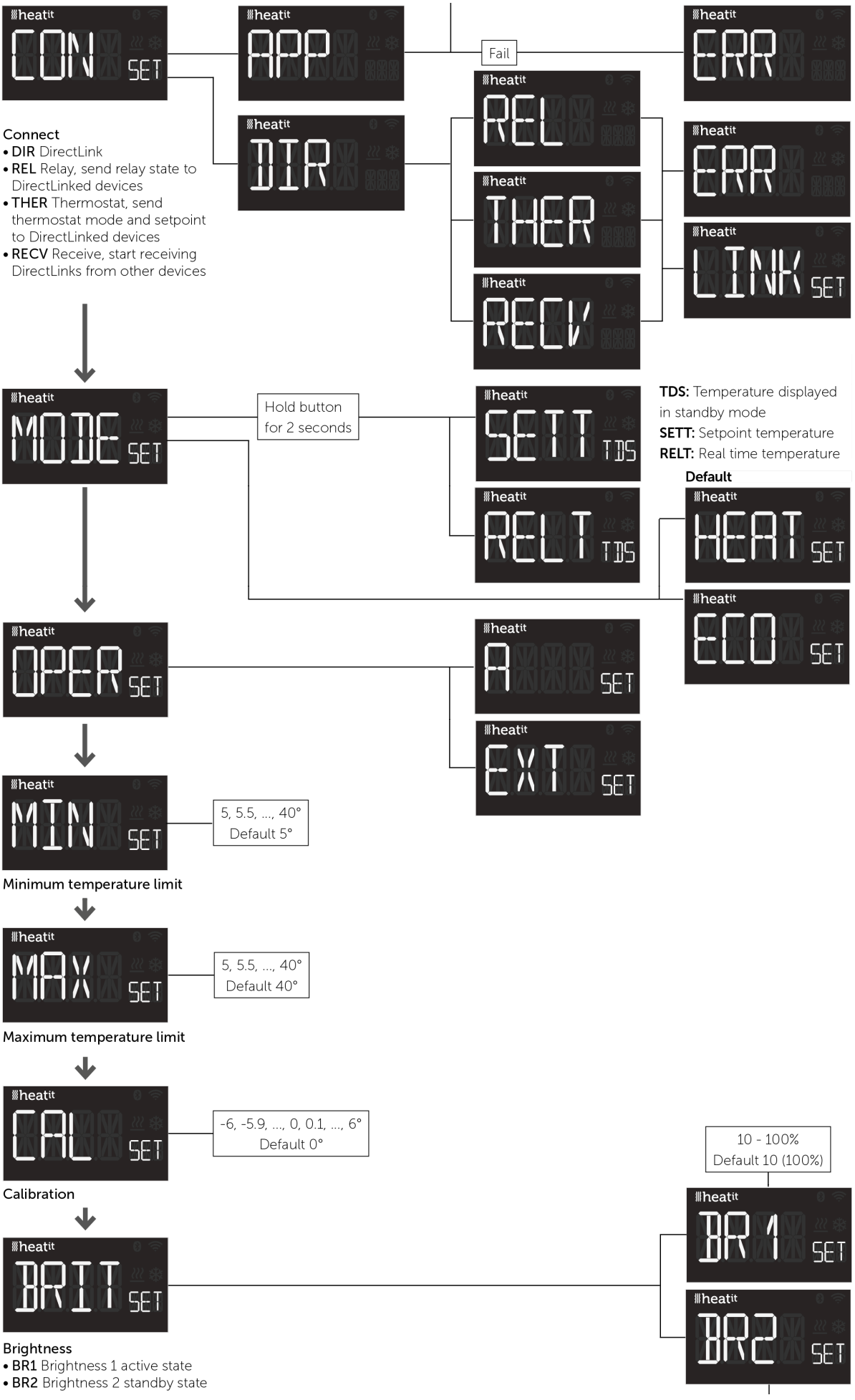
28. ERROR CODES

Code	Error	Description
Err	Adding fail	See chapter Add/Remove.
Err1	Internal error	Most probably a faulty unit. Contact support.
Err2	WiFi-BLE error	Most probably a faulty unit. Contact support.
Err3	Internal error	Most probably a faulty unit. Contact support.
Err6	Overheating	Overheat protection triggered. Contact your electrician.

If you encounter an error code, try repowering the device to restart it. If the issue persists, it is recommended to contact an electrician or support for further assistance.

29. CHART - DISPLAY MENU STRUCTURE




CON
SET
APP
DIR
Fail
ERR
REL
THER
RECV
ERR
LINK
SET
Connect
• DIR DirectLink
• REL Relay, send relay state to DirectLinked devices
• THER Thermostat, send thermostat mode and setpoint to DirectLinked devices
• RECV Receive, start receiving DirectLinks from other devices
MODE
SET
Hold button for 2 seconds
SETT
TDS
RELT
TDS
TDS: Temperature displayed in standby mode
SETT: Setpoint temperature
RELT: Real time temperature
Default
HEAT
SET
ECO
SET
OPER
SET
A
SET
EXT
SET
MIN
SET
5, 5.5, ..., 40°
Default 5°
Minimum temperature limit
MAX
SET
5, 5.5, ..., 40°
Default 40°
Maximum temperature limit
CAL
SET
-6, -5.9, ..., 0, 0.1, ..., 6°
Default 0°
Calibration
BRIT
SET
10 - 100%
Default 10 (100%)
BR1
SET
BR2
SET
Brightness
• BR1 Brightness 1 active state
• BR2 Brightness 2 standby state

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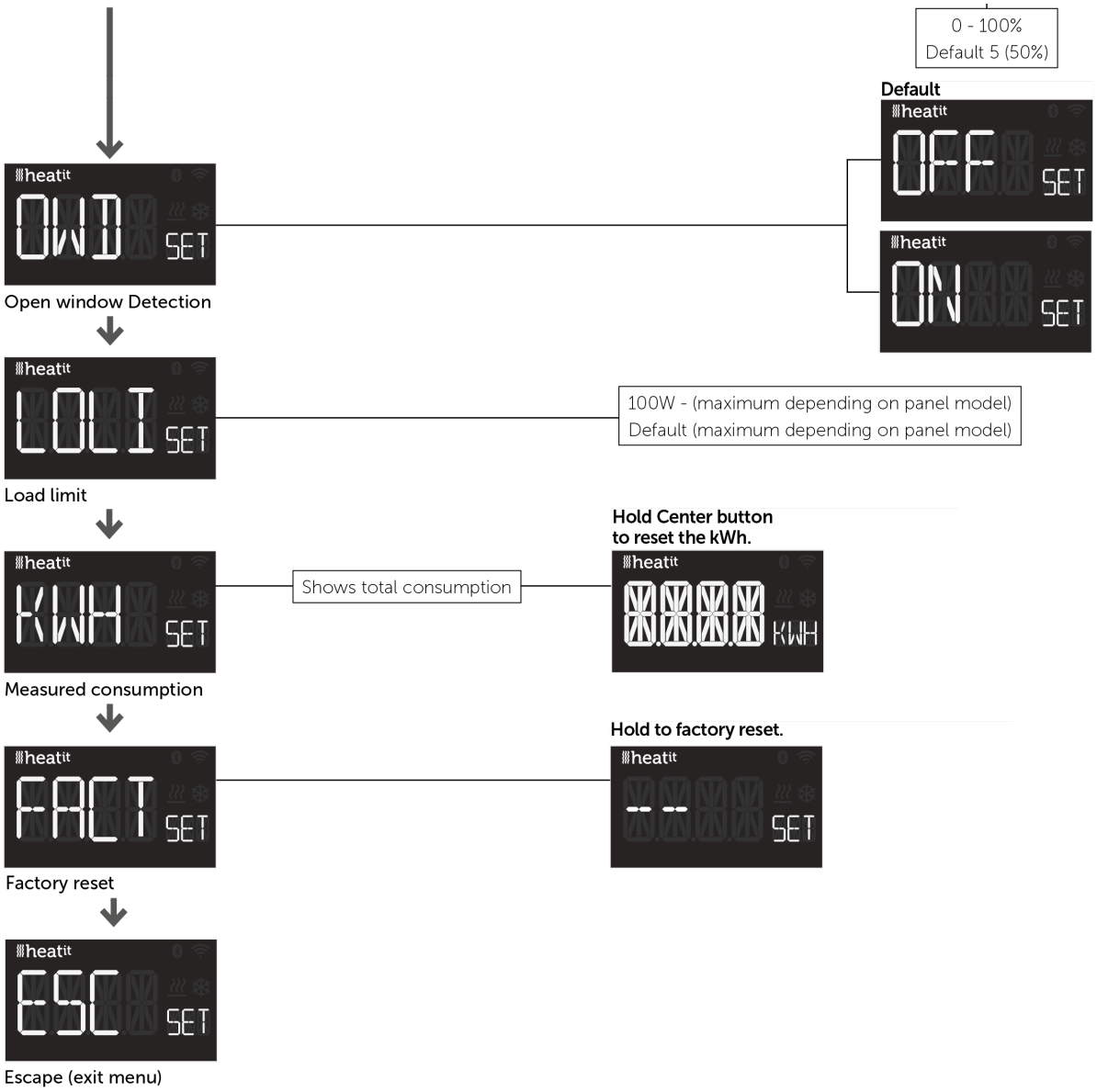
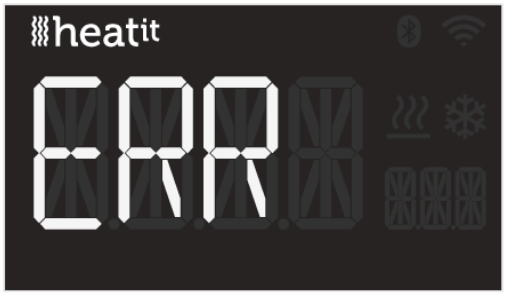
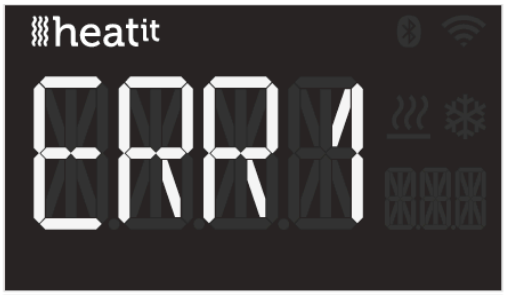


29.1. ERROR AND GENERAL MESSAGES IN THE DISPLAY

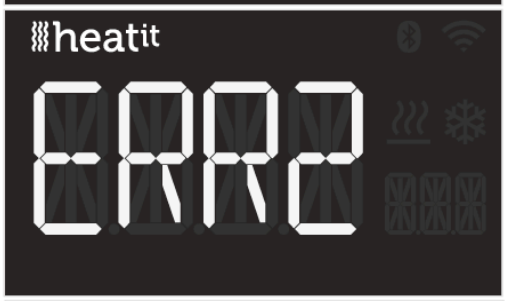
Error messages in display



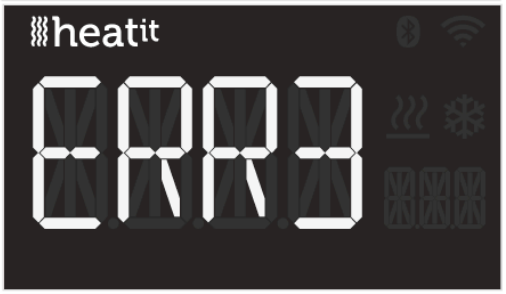
Failed to include



Internal error:
MCU and Wi-Fi chip communication failed

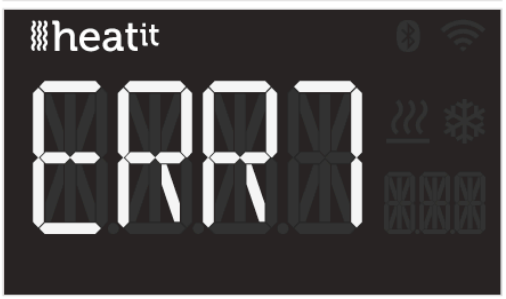


Radio error



Internal sensor error

Overheat



Overload

General display messages

Childlock activated

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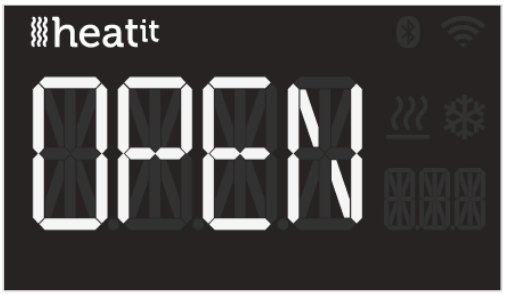
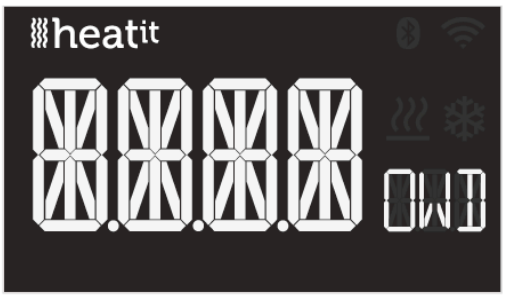


Childlock disabled



Open window detected

Settings stored

30. PRODUCT INFO

- Open API for integration
- Overheat protection
- Firmware update (OTA)
- Active power metering
- Wi-Fi (2.4GHz)/BLE
- Local control through control panel
- Digital thermostat
- Temperature control from 5°C to 40°C
- Adjustable power output from 100W to max
- Silent control Triac
- Easy-to-read LCD display
- Two modes: Heat and Eco-mode
- Open Window Detection
- Tip-over protection
- Child lock

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Property	Value
Protocol	Wi-Fi (2.4GHz)/BLE
Rated voltage	230VAC 50Hz
Ambient temperature	5°C to 40°C
Regulation temperature	5°C to 40°C
Storage temperature	-30°C to 70°C
Hysteresis	0.3°C to 3.0°C (default 0.5°C)
Humidity	10% to 85% RH
IP Code	IP24
Approvals	CE (Link)
Max Surface Temperature	58°C
Power cord	1.3 m

Hereby, Heatit Controls AS, declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU.

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Article no.	Product name	Effect	Product length (A)	Product Width (B)	Product height/diameter (C)	Product net weight
5430474 5430481	Heatit WiFi Panel Heater 400W White / Black	400 W	440mm	350mm	65mm	2700g
5430475 5430483	Heatit WiFi Panel Heater 600W White / Black	600 W	500mm	430mm	65mm	3350g
5430476 5430485	Heatit WiFi Panel Heater 800W White / Black	800 W	630mm	430mm	65mm	4100g
5430477 5430487	Heatit WiFi Panel Heater 1000W White / Black	1000 W	800mm	430mm	65mm	5350g
5430438 5430469	Heatit WiFi Panel Heater 1500W Black / White	1500 W	1000mm	430mm	65mm	6400g
5430436 5430437	Heatit WiFi List 750W Black / Panel List 750W White	750 W	800mm	255mm	65mm	3350g
5430479 5430489	Heatit WiFi List 1000W White / Black	1000 W	970mm	255mm	65mm	4000g
5430500 5430507	Heatit WiFi Panel Heater Glass 400W White / Black	400 W	460mm	350mm	60mm	3450g

Article no.	Product name	Effect	Product length (A)	Product Width (B)	Product height/dia meter (C)	Product net weight
5430501 5430508	Heatit WiFi Panel Heater Glass 600W White / Black	600 W	520mm	425mm	60mm	4550g
5430502 5430509	Heatit WiFi Panel Heater Glass 800W White / Black	800 W	650mm	425mm	60mm	5500g
5430503 5430511	Heatit WiFi Panel Heater Glass 1000W White / Black	1000 W	820mm	425mm	60mm	6750g
5430504 5430510	Heatit WiFi Panel Heater Glass 1500W White / Black	1500 W	1020mm	425mm	60mm	8500g

Due to factors such as voltage, frequency, power factor, temperature, and the heating element, the panel's power output may vary by -10% to +5%.

ACTUAL VALUE (W)	-10% (W)	+5% (W)
400	360	420
600	540	630
800	720	840
1000	900	1050
1200	1080	1260
1500	1350	1575

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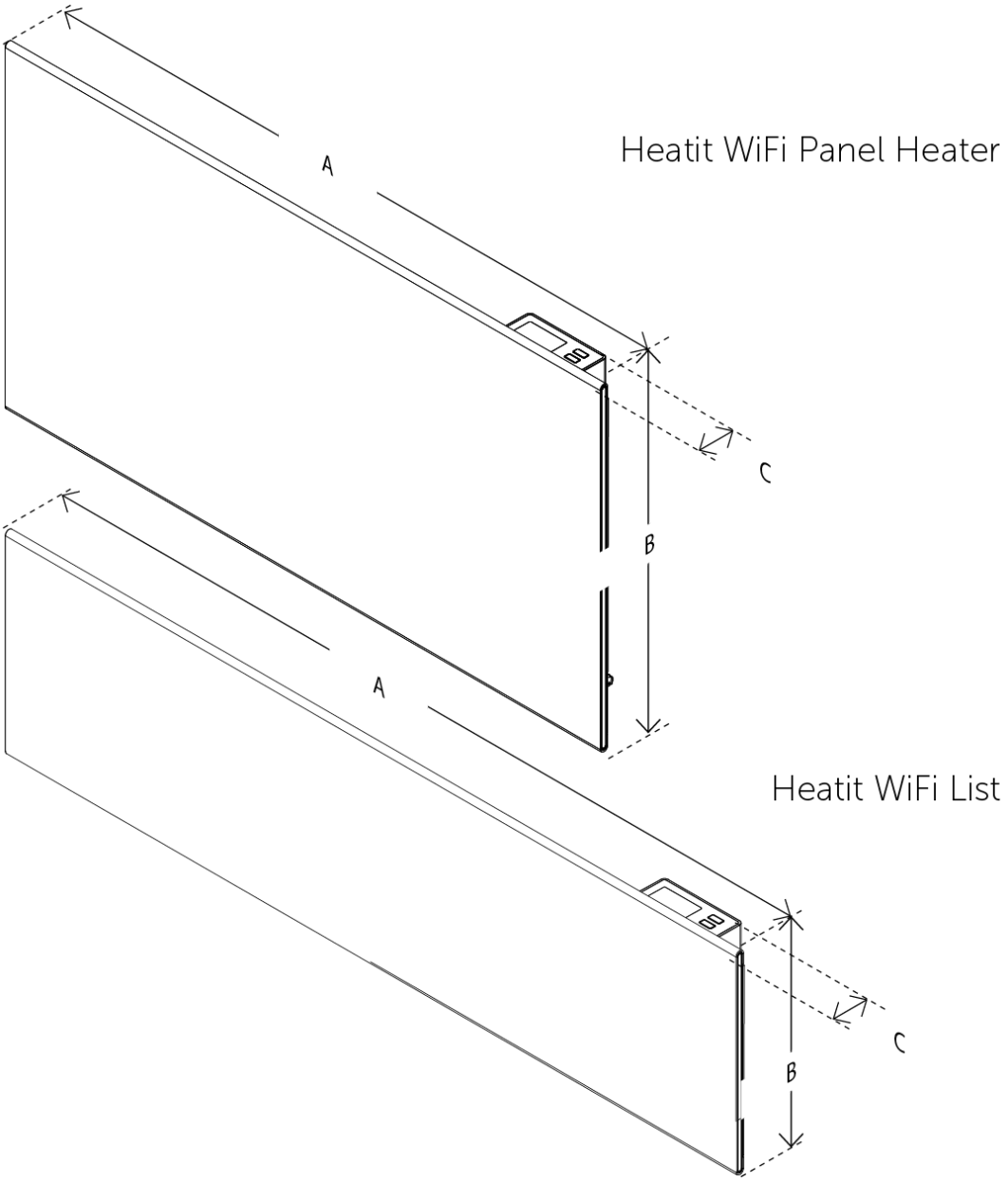

31. CLEANING AND MAINTENANCE

- Switch off and unplug from the power supply before cleaning.
- Using a soft, moist cloth, with or without a mild soap solution, carefully clean the exterior surface of the product.
- CAUTION: Allow the product to completely cool before handling or cleaning it.
- Do not allow water or other liquids to run into the interior of the product, as this could create a fire and/or electrical hazard.
- We also recommend the periodic cleaning of this appliance by lightly running a vacuum cleaner nozzle over the guards to remove any dust or dirt that may have accumulated inside or on the unit.
- CAUTION: Do not use harsh detergents, chemical cleaners or solvents as they may damage the surface finish of the plastic components.

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32. DISCLAIMER

Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

We develop and design our products in accordance with our strict quality requirements (ISO 9001) and environmental requirements (ISO 14001). All electrical installations must be carried out by an authorized electrical installer. The product must be installed in accordance with our installer's manual and national building codes. Any wrongful installation, misuse, damage of the product, is not covered under warranty. Updated documentation is available at www.heatit.com and/or documents.heatit.com. Heatit Controls AS cannot be held liable for any type of errors or omissions in our product information. Product specifications may change without further notice.

Downtime related to the App or cloud/service platform is not covered by the warranty.

Designed in Norway

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