

# HEATIT WIFI PANEL HEATER/LIST



Firmware version <b>FW 1.0</b>	Document version <b>Ver-B</b>
	Document date <b>02.01.2025</b>

Org. doc. date 01.09.2024

Article no. White	Article no. Black
54 304 74	54 304 81
54 304 75	54 304 83
54 304 76	54 304 85
54 304 77	54 304 87
54 304 78	54 304 88
54 304 69	54 304 89
54 304 79*	

## Installers manual



Heatit WiFi Panel Heater 1000W  
54 304 77 / 54 304 87



Heatit WiFi List 1000W  
54 304 79\*



## TABLE OF CONTENTS

1. Introduction
2. Safety Advise
3. Installation
4. Add/Remove
5. Factory reset
6. Startup
7. Local settings menu
8. Display menu structure
9. Standby and main screen
10. Temperature shown in display
11. kWh value in menu
12. Load limit
13. Calibration
14. Brightness
15. Display icons
16. Child lock
17. Disable buttons
18. Open window detection
19. Firmware update - OTA
20. Error codes
21. Safety features
22. Configuration parameters
23. Indicator
24. Dimensions
25. Panel heater controls
26. Disclaimer
27. Cleaning and Maintenance structure
28. Chart - Display menu Product info

## GET THE MYHEATIT APP HERE



## 1. INTRODUCTION

Heatit WiFi Panel Heater/List is an electrical radiator. The convector can be controlled using the "MyHeatit" App via Wi-Fi, Bluetooth (BLE), by the buttons on the top, or through the open API over Wi-Fi. The convector has a user friendly interface.

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

Heatit WiFi Panel Heater has a modern, slim design and is aesthetically pleasing. It is easy to install and mount on the wall with the supplied bracket.

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 (Amazon Alexa and Google Home is pending).

The installer can configure and set up the system via Bluetooth. After the system is set up, the installer can transfer the property to the customer. The customer can then transfer their devices to their Wi-Fi network.

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

Heatit WiFi panels are supplied both as a traditional convector and as a skirting panel heater. Heatit WiFi Panel Heaters come in outputs varying between 400W and 1500W in both white and black color schemes. Heatit WiFi List only in 1000W.

## 2. SAFETY ADVISE

### 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.

### 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

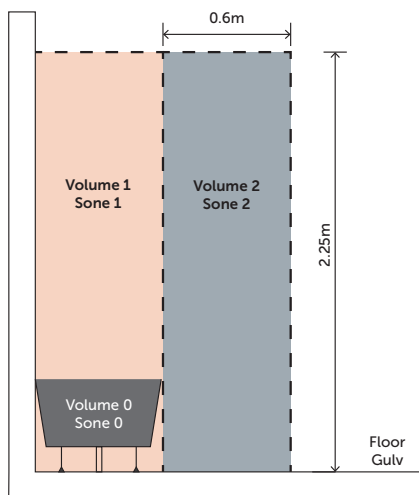
- **Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.**

- 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 the volume 2 only according the national wiring rules.

**Note:** The drawing below is for reference only.

We suggest that you contact a professional electrician for assistance.



### 3. INSTALLATION

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

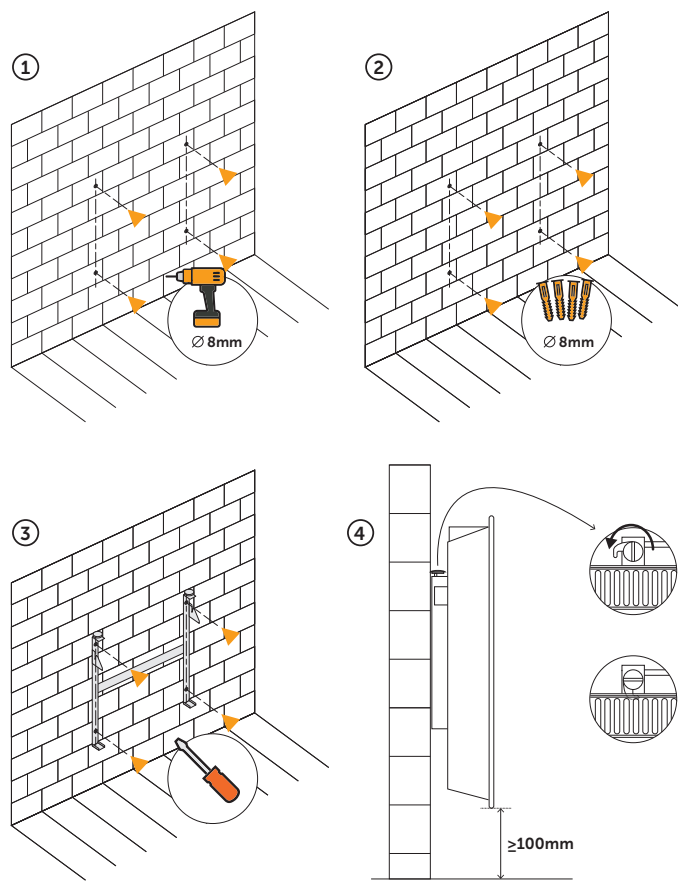
1. Put the mounting bracket on the wall as a guide ruler (please make sure the holes are parallel and level), use a marker to mark the hole positions.
2. Drill holes in the wall with  $\varnothing 8\text{mm}$  drill bit and insert the plastic wall plug if necessary.
3. Fasten the mounting bracket on 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°C 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.
- Before plugging in the unit make sure the radiator is properly attached to the wall.



### 4. 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 App without starting add mode locally on the device (skip to step 4 in Chapter 4.1 or 4.2).

To remove a device, find the device in the "MyHeatit" App and choose "Delete this device". If the App is unavailable perform a "Factory reset"

#### 4.1 Method 1: Wi-Fi and Bluetooth

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.

When adding in Wi-Fi, skip step 5 below.

When adding to Bluetooth, skip step 4 below.

1. Hold the Center button for 5 seconds.  
The display will show "OFF".
2. Press the Down button once to see "CON" in the display.
3. Start the configuration mode on the device by holding the Center button for approximately 2 seconds.
4. In the "MyHeatit" App, choose "Add Device", enter your Wi-Fi details, search for your device and select it.
5. In the "MyHeatit" App, choose "Add Device", choose "Add Bluetooth" device, search for your device and select it.

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".

#### 4.2 Method 2: QR Code

1. Hold the Center button for 5 seconds.  
The display will show "OFF".
2. Press the Down button once to see "CON" in the display.
3. Start the configuration mode on the device by holding the Center button for approximately 2 seconds.
4. In the "MyHeatit" App, Choose "Add Wi-Fi device" or "Add Bluetooth device".
5. Press the QR Code button in the bottom right and scan the QR Code on the device.

#### 5. FACTORY RESET

Enter the menu by holding the Center button for about 5 seconds, navigate in the menu with the Down 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 down and Center buttons for 60 seconds.

When either of these procedures has been performed, the device 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 device has been reset.

#### 6. STARTUP

After powering up the device for the first time, all parameters will have default settings and the device will be ready to use.

#### 7. LOCAL SETTINGS MENU

To enter the settings menu, hold the Center button for 5 seconds. The display will display "OFF". You are now in the

settings menu. While in the settings menu, "SET" will be displayed 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.

#### 8. DISPLAY MENU STRUCTURE

See flowchart at the end of this manual.

#### 9. STANDBY AND MAIN SCREEN

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

By pressing any button once, you will see the measured temperature. By pressing the Up or Down button multiple times, you will change the setpoint.

#### 10. TEMPERATURE SHOWN IN DISPLAY

By default, the temperature shown in the display while in standby state is the setpoint. This may be altered with the "Temperature display" parameter. It may also be changed by entering the local settings menu and holding the Center button for 2 seconds when "MODE" is displayed. You can choose between "SETT" and "RELT". "SETT" is the Setpoint temperature and "RELT" is the real-time temperature.

#### 11. KWH VALUE IN MENU

The device supports power metering to give insight into the power consumption of the heating. The total consumption of the device can be seen in the system from the "kWh" menu option. The total consumption data can be reset by holding the Center button while in the kWh menu.

**Note:** The kWh values are displayed with a precision of two decimals, but they are only saved to memory at every whole kWh.

#### 12. 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.




#### 13. CALIBRATION

If the temperature sensor readout is not correct, you can make minor changes to the temperature readout. The temperature readings can be calibrated by  $\pm 6^{\circ}\text{C}$  using the calibration parameter. The calibration can also be performed from the menu using CAL. The adjusted value will be displayed in the App indicating what the device uses for regulation.

#### 14. BRIGHTNESS

Using the menu choices "BR1" and "BR2", the brightness of the display in Active and Standby state can be changed respectively. "BR1" and "BR2" are also included in the device as parameters. "Active display brightness (BR1)" and "Standby display brightness (BR2)"

## 15. DISPLAY ICONS

ICON	DESCRIPTION
	This icon will be displayed while the device is in Heat or Eco mode, and is currently heating.
	This icon shows the current signal strength for WiFi.
	This icon shows when it has an active Bluetooth connection.

## 16. CHILD LOCK

Child lock is a function for disabling the buttons from the display locally. It will show "LOCK" when attempting to operate it while the function is enabled. To enable or disable the function, hold the Up and Down buttons for 10 seconds. Enabling the function will show "LOCK" in the display, disabling the function will show "OPEN".

## 17. 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.

## 18. OPEN WINDOW DETECTION

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

When OWD is active, the setpoint is reduced to 5°C in order not to waste energy. OWD will automatically be cancelled if OWD 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 Up and Down buttons.

By default, OWD is not enabled. The feature may be enabled by selecting "OWD" from the menu. Choose between options "OFF" and "ON". It can also be enabled in the App by setting the parameter "Open window detection" to "Enabled".

## 19. 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. Go into the settings on the device you want to update and press Update Firmware button.

This will check if a newer version is available, if there is one, it will be downloaded and installed.

## 20. ERROR CODES

If you encounter an error code try turning off the power to the panel heater, either by using the main switch or unplugging the cord, to reset the device. If the issue persists, it is recommended to contact an electrician or support for further assistance.

### Err Adding fail

See Chapter "Add/Remove".

### Err1 Internal error

Most probably a faulty unit. Contact support.

### Err2 Radio error

Most probably a faulty unit. Contact support.

### Err3 Internal sensor error

Most probably a faulty unit. Contact support.

### Err6 Overheating

Most probably a faulty unit. Contact support.

### Err7 Overload

Most probably a faulty unit. Contact support.

## 21. SAFETY FEATURES

The device has safety features to ensure safe operation and warn the user of any faults/unexpected behavior. The device has an Overheat and Overload function. If the device registers an Overheat or Overload incident, the device will switch off and an error will appear in the display.

### 21.1 Overheating

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

When overheating is detected, the device will:

- Turn off the relay.
- Display Err6 in the display.
- Send a notification to the "MyHeatit" App.

### 21.2 Overload

The device features an overload protection. The overload protection is triggered when the load is greater than 20% of the maximum load.

When overload is detected, the device will:

- Turn off the convector.
- Display Err7 in the display.
- Send a notification to the "MyHeatit" App.

### 21.3 Sensor failure

The device has the ability to detect when there is an issue with the internal sensor.

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

- Turn off the device.
- Display Err3 in the display.

## 22. CONFIGURATION PARAMETERS

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

NAME	SHORT DESCRIPTION / COMMENT	MIN	MAX	DEFAULT	DESCRIPTION OF VALUE
Panel mode	Choose the mode for the device.	0	2	1	0 = Off
					1 = Heating (Default)
					2 = ECO
Sensor calibration	Calibrate the sensor $\pm 6^\circ\text{C}$ .	-6.0	6.0	0	-6.0°C to 6.0°C. Calibrate the sensor by $\pm 6^\circ\text{C}$ . (Default is 0°C)
Temperature display	Select display info during standby.	0	1	0	0 = Display setpoint temperature (Default)
					1 = Display measured temperature
Active display brightness	Set display brightness for active state	10	100	100	10% - 100% 10 (100%) (Default)
Standby display brightness	Set display brightness for standby state	0	100	50	0% - 100% 5 (50%) (Default)
Heating setpoint	Desired heating temperature	5.0	40.0	21.0	5°C to 40°C 21.0 (21°C) (Default)

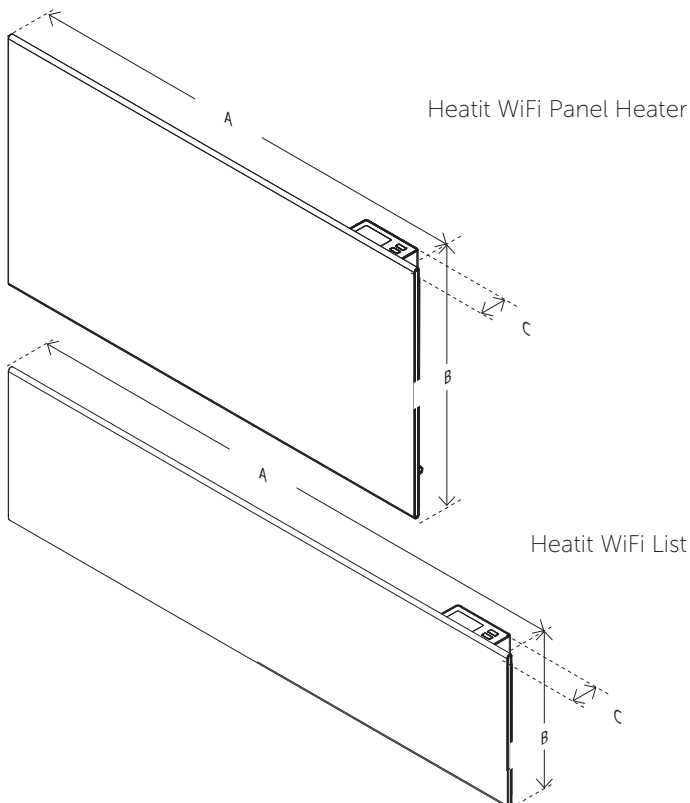
NAME	SHORT DESCRIPTION / COMMENT	MIN	MAX	DEFAULT	DESCRIPTION OF VALUE
ECO setpoint	Desired ECO temperature	5.0	40.0	18.0	5°C to 40°C 18.0 (18°C) (Default)
Minimum temperature limit (MIN)	Set lowest temperature	5	40	5	5°C to 40°C (Default is 5°C)
Maximum temperature limit (MAX)	Set highest temperature	5	40	40	5°C to 40°C (Default is 40°C)
Open Window Detection	Enable/disable open window detection	0		0	0 = Off (Default)
			1	0	1 = On
Load limit (LOLI)	The power the Panel should operate at.	100	400-1500	400-1500	100W – 1500 W. (Default is max for each model)
Disable buttons	Disable device buttons	0	2	0	0 = Off (Default)
					1 = On
					2 = Lock menu

### 23. 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.

### 24. DIMENSIONS

ART. NO.	NAME / W	SIZE A - B - C
54 304 74 54 304 81	Heatit WiFi Panel Heater 400W	440mm x 350mm x 55mm
54 304 75 54 304 83	Heatit WiFi Panel Heater 600W	500mm x 425mm x 55mm
54 304 76 54 304 85	Heatit WiFi Panel Heater 800W	630mm x 425mm x 55mm
54 304 77 54 304 87	Heatit WiFi Panel Heater 1000W	800mm x 425mm x 55mm
54 304 78 54 304 88	Heatit WiFi Panel Heater 1200W	1000mm x 425mm x 55mm
54 304 69	Heatit WiFi Panel Heater 1500W	1000mm x 425mm x 55mm
54 304 79 54 304 89	Heatit WiFi List 1000W	970mm x 255mm x 55mm



### 25. PANEL HEATER CONTROLS

ICON	DESCRIPTION
+	Up. Increase set temperature.
≡	Menu confirm. Menu enable.
-	Down. Decrease set temperature.

### 26. DISCLAIMER

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%.

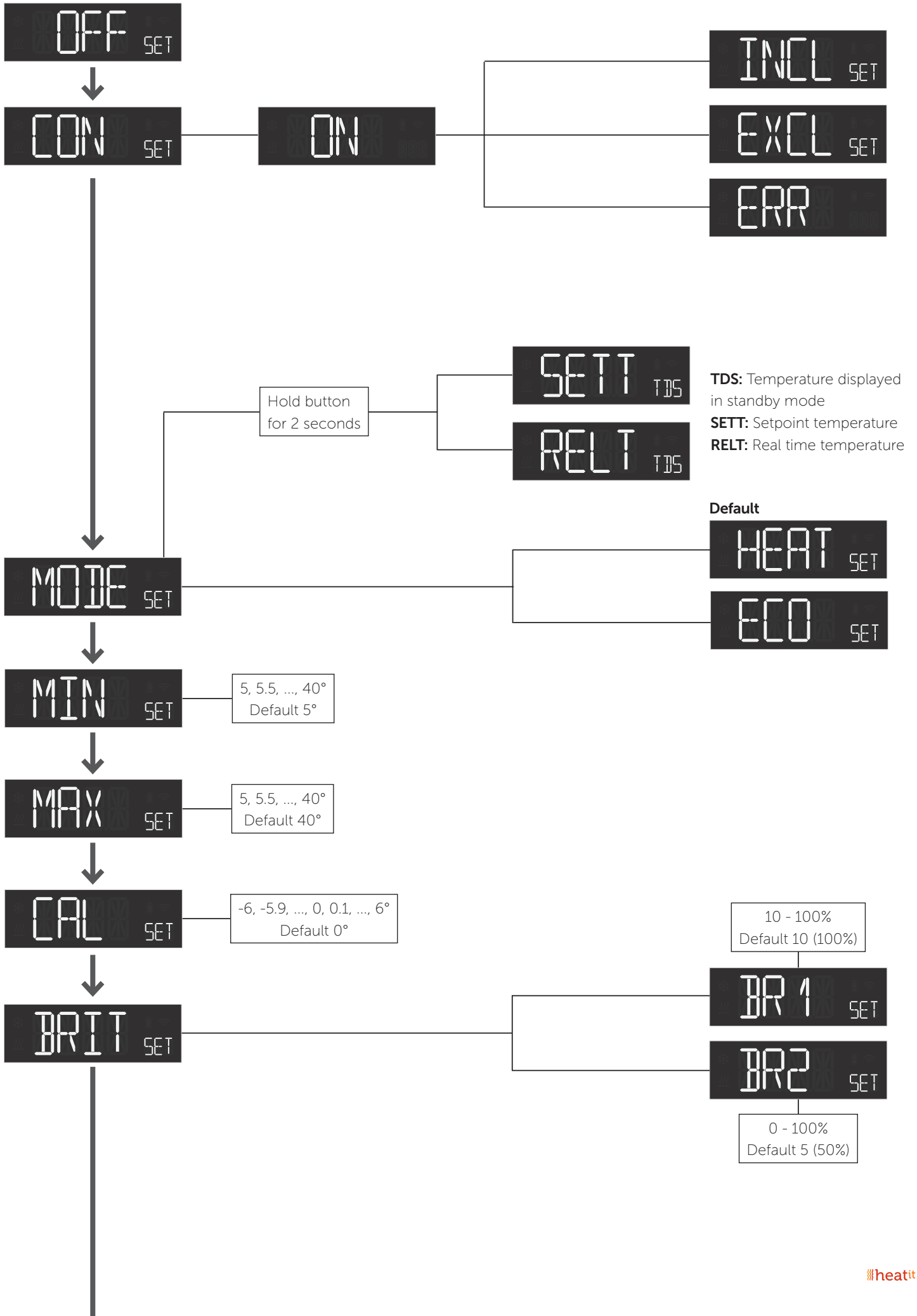
ACTUAL VALUE (W)	-10% (W)	+5% (W)
400	360	420
600	540	630
800	720	840
1000	900	1050
1200	1080	1260
1500	1350	1575

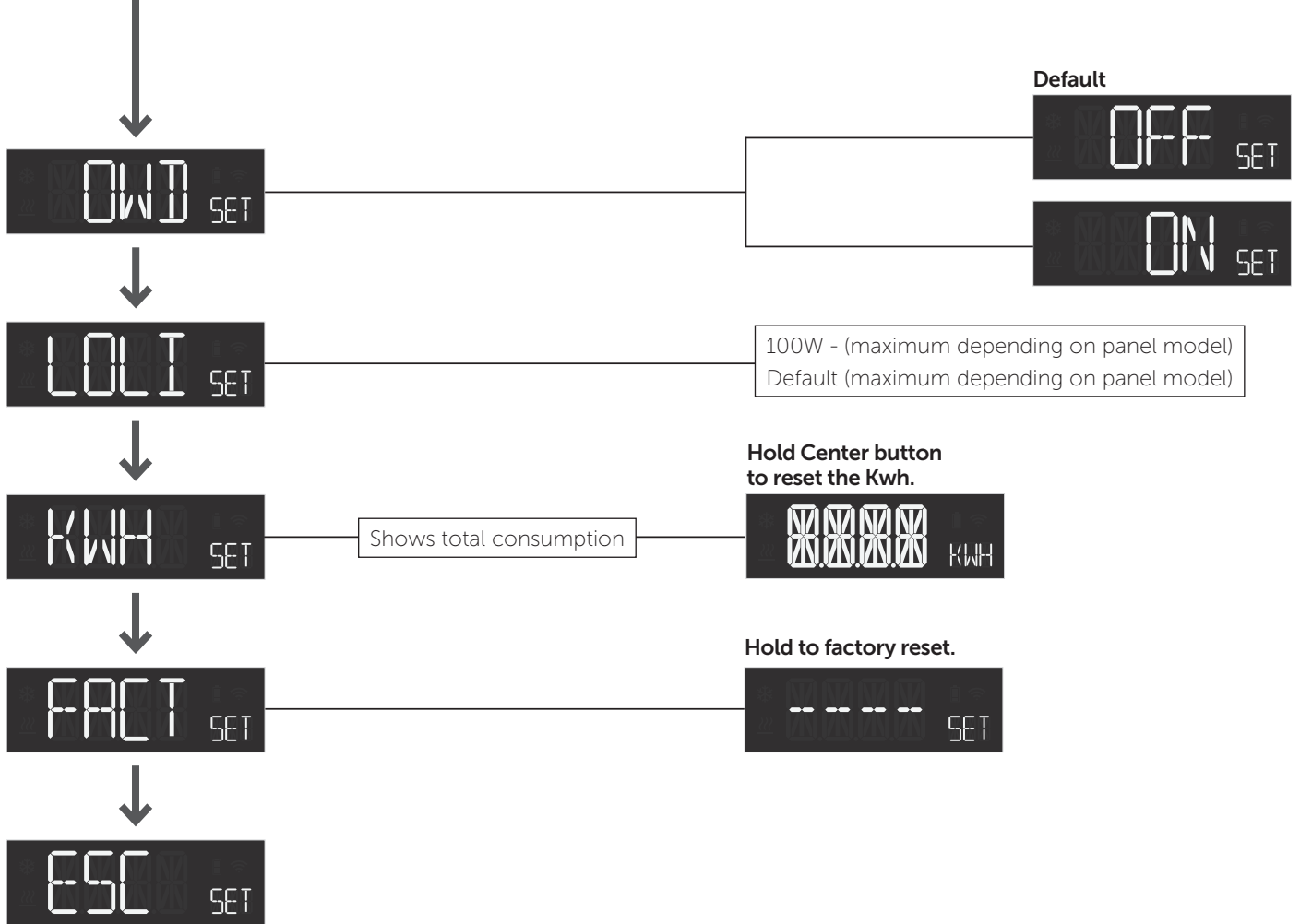
### 27. CLEANING AND MAINTENANCE

- 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.

## 28.CHART - DISPLAY MENU STRUCTURE

Hold the middle button for 5 seconds to enter menu.





## 28.1 Error messages in display

	<b>Failed to include</b>
	<b>Internal error:</b> MCU and Wi-Fi chip communication failed
	<b>Radio error</b>
	<b>Internal sensor error</b>
	<b>Overheat</b>
	<b>Overload</b>

## 28.2 General display messages

	<b>Childlock activated</b>
	<b>Childlock disabled</b>
	<b>Open window detected</b>
	<b>Settings stored</b>

## PRODUCT INFO Heatit WiFi Panel Heater/List

### FEATURES

- Wi-Fi and Bluetooth (BLE)
- Open API for integration
- 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
- Comfort and Eco-mode
- Active power metering
- Open Window Detection
- Overheat protection
- Child lock
- Splash proof IP24
- Firmware update (OTA)
- Wall bracket
- Wide range of outputs
- White or black color

### TECHNICAL DATA

Protocol	Wi-Fi 2.4GHz/BLE
Rated voltage	230VAC 50Hz
Rated output	from 400 to 1500W
Temperature	from 5°C to 40°C
Storage temperature	-30°C to 70°C
Cord lead	130 cm Black - White
IP Code	IP24

Approvals CE, Semko

### MAINTENANCE

Refer to the Chapter "Cleaning and Maintenance."  
Indoor use only.

### DISPOSAL GUIDELINES

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 environmental safe recycling.



We have designed this product 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 installers manual and national building codes. Any wrongful installation, misuse or damage to the product is not covered under warranty.

Heatit Controls AB can not be held liable for any type of errors or omissions in our product information. Product specifications may change without further notice.



Heatit Controls AB • Läkarvägen 4, 454 31 BRASTAD, SWEDEN

Phone: +47 61 18 77 77 • post@heatit.com • [heatit.com](http://heatit.com)