habi
by SALUS Controls

IT850
MATTER WIRELESS ROOM THERMOSTAT



Wireless Room Thermostat

Boiler Receiver

matter

MULTI-LANGUAGE

▪ MANUAL ▪

Introduction

The Matter Wireless Room Thermostat and Boiler Receiver combination provides seamless connectivity and efficient control of your home's heating and hot water systems.

The Boiler Receiver, acting as a router, communicates with the thermostat via the Thread protocol and connects to the internet via Wi-Fi for remote access. The Receiver features a second relay for hot water control, ensuring comprehensive management of both systems.

This advanced setup ensures reliable performance and convenience, making it an ideal choice for modern smart homes.

⚠ Safety information

Use in accordance with the regulations. Indoor use only. Keep your device completely dry.

For optimal performance and safety, the installation of the receiver and thermostat must be carried out by a qualified installer. Professional expertise ensures correct setup, safe connections, and compliance with all relevant regulations, helping to protect your equipment and guarantee reliable operation.

Product compliance

Hereby, Salus Controls plc declares that the radio equipment type IT850, operating in the 2.4GHz frequency band, complies with Directive 2014/53/EU amending (EU)2025/138, Directive RoHS, 2015/863 amending 2017/2102, REACH SVHC 253, GPSR 2023/988/EU.

IT850TX: 2402-2480MHz, <14dBm
IT850RX: 2412-2472MHz, <20dBm

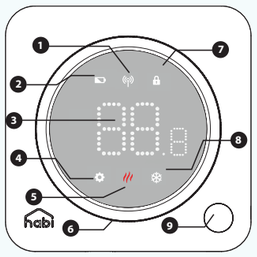
The full text of the EU and UK Declarations of Conformity is available at the following internet address:
www.habismarthome.com/legal.

The PSTI Statement of Compliance is available at the following internet address: www.habismarthome.com/legal.

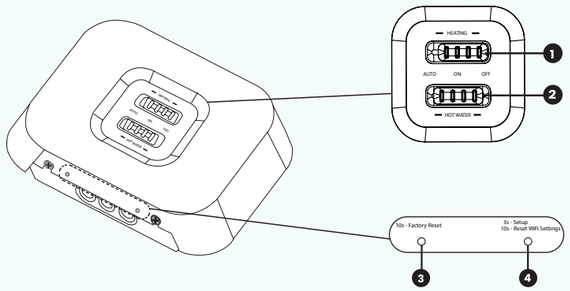
The warranty policy is available at the following internet address:
www.habismarthome.com/legal.

Thermostat Display & Buttons

1. RF Signal Indicator
2. Low Battery Indicator
3. Temperature Display
4. Settings Indicator
5. Heating Indicator
6. Ring dial
7. Locked Mode (Child Protection)
8. Off Mode (Frost Protection)
9. Function Button



Receiver Buttons & Functions



1. Central Heating slide switch
2. Domestic Hot Water switch
3. Factory Reset push button
4. Setup & WiFi Reset button

AUTO - Depending on the system output decision, Central Heating and/or Hot Water will be ON or OFF.

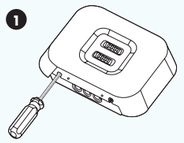
ON - Central Heating and/or Hot Water always ON.

OFF - Central Heating and/or Hot Water is turned OFF.

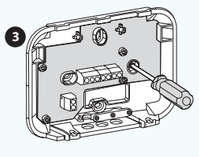
First setup and pairing

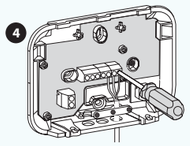
⚠ **The thermostat and the receiver can only be paired via the Habi app using a stable internet connection.**

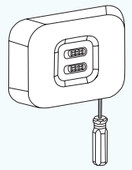
⚠ **Do not power the thermostat** before configuring the receiver. This can cause a pairing timeout.
Follow the procedure below for first time use:

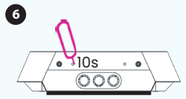
1. 
Loosen the screws on the underside of the receiver.

2. 
Remove the backplate from the front panel.

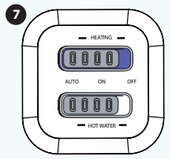
3. 
Fix the backplate to the wall as shown above.

4. 
Wire up the backplate referring to one of the diagrams in this guide.

5. 
Reattach the front panel, then power up the receiver

6. 

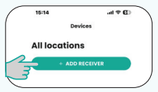
10 second press to factory reset the device.

7. 

Wait until Heating LED (1) becomes solid purple.

8. 

Download the Habi mobile application by scanning this QR code.

9. 

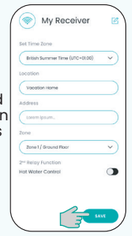
In the app, select **Add Receiver.**

10. 

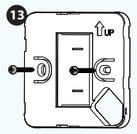
Scan the QR code on the side of the receiver. **OR**: **b.** Perform a network scan. **c.** Input the MAC address.

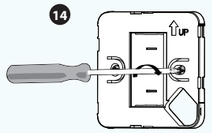
11. Select your network, then:

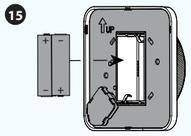

Add the WiFi Password and select **NEXT**.

12. Add requested information and press **Save** to finish.


Now, it's time to configure the thermostat

13. 
Make two holes in accordance with the position of the 2 screws.

14. 
Tighten the screws in order to fix the wall mounting plate.

15. 
Insert the batteries (x2 AA alkaline) on the back of the thermostat.

16. 
The device will power up and display the home screen.

17. 

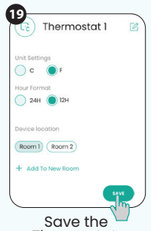
From Devices menu select **ADD DEVICE.**

18. 

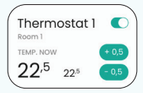
a. scan the "QR Code"
b. perform a "Network Scan"
c. manually enter QR code using "Pairing code"



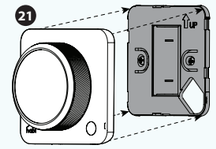
NOTE: To remove the thermostat from the wall mounting plate, gently grab it from the dial and pull it outward from the bottom edge.

19. 

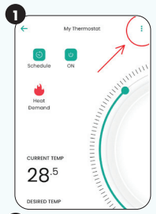
Save the Thermostat.

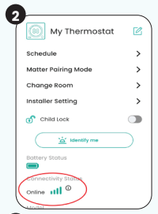
20. 

The thermostat has been successfully paired and added to the Devices page.

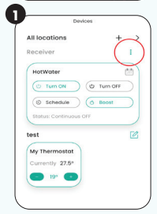
21. 
Place the thermostat back on the fixed wall mounting plate.

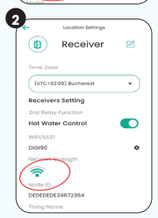
Testing signal strength

1. 

2. 

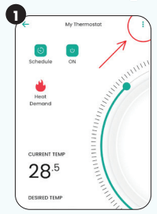
FOR THE THERMOSTAT: Matter signal strength is displayed in the **My Thermostat** page. It is important to check signal levels and adjust the placement of the equipment to optimize connection quality.

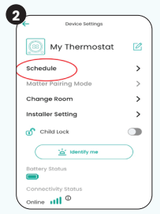
1. 

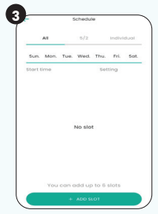
2. 

FOR THE RECEIVER: Wi-Fi signal strength is displayed in the **Receiver** page. It is important to check signal levels and adjust the placement of the equipment to optimize connection quality.

Scheduling

1. 

2. 

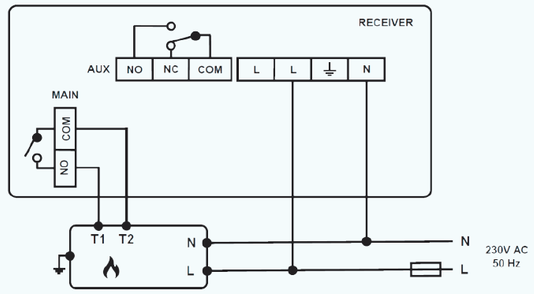
3. 

From the **My Thermostat** screen, press the three dots, then go to **Schedule**. You can choose **All** days, Days of the week (**5/2**) and **Individual** days.

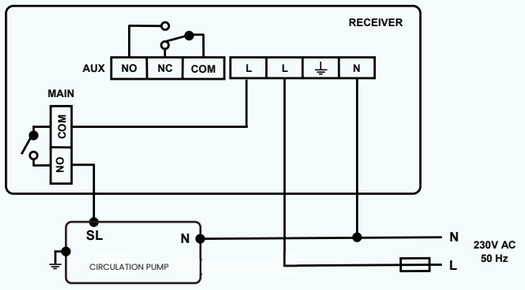
IMPORTANT NOTE: If the thermostat is in Schedule mode and you manually adjust the temperature, this change is only temporary. The thermostat will not switch to Manual mode; it will automatically revert to the scheduled temperature at the next set time interval.

Wiring diagrams

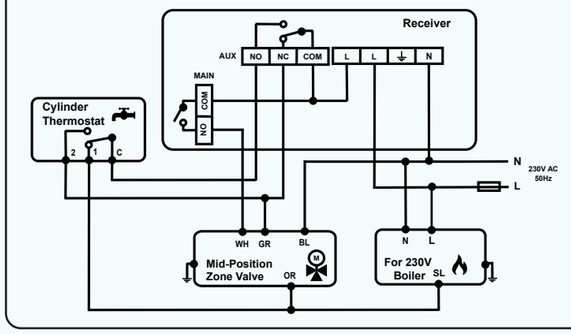
Heating only - volt-free output for Combi boiler 0 - 230V



Heating only - 230V switching pump



Heating and Domestic Hot Water - Y Plan 230V



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by SALUS Controls

Manufacturer:
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Requires a Thread-enabled Apple Home hub such as HomePod or Apple TV running the latest software. A compatible Thread border router is also required when using HomePod (1st generation), Apple TV 4K (3rd generation) Wi-Fi, Apple TV 4K (1st generation). Apple TV HD, or Apple TV (4th generation).

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Computime

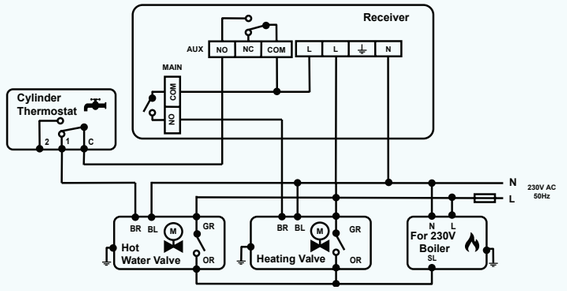
ISO 9001 QUALITY MANAGEMENT

UKAS MANAGEMENT SYSTEMS 0015

Maintaining a policy of continuous product development SALUS Controls plc reserves the right to change specifications, design and materials of products listed in this brochure without prior notice.

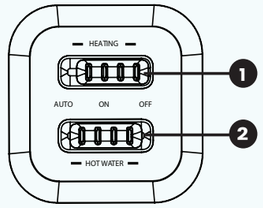
09/2026

Heating and Domestic Hot Water - S Plan 230V



RECEIVER LED INDICATION

IMPORTANT NOTES:
1. The HEATING (1) LED will show solid blue colour for 15 minutes after power up.
2. In "AUTO" mode, the receiver operates according to the thermostat's request. AUTO should be set as the default position.
3. The HOT WATER function is a time schedule and can only be used when an external hot water tank/boiler is installed. HOT WATER does not control instant combi boilers.



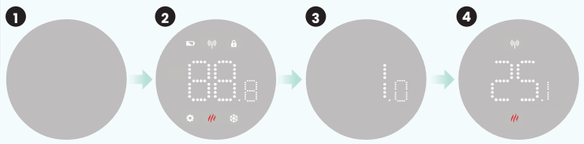
1. Pairing

LED colour	Description
LED 1 is purple LED 2 is OFF	Receiver is in pairing mode
LED 1 is blue LED 2 is OFF	Receiver is not in paring mode - WiFi is not configured
LED 1 is blue and flashing slowly LED 2 is OFF	WiFi is set but not connected to the router
LED 1 is blue and flashing quickly LED 2 is OFF	Connected to WiFi but not connected to Cloud
LED 1 is blue and holds for 5 seconds LED 2 is OFF	WiFi Connected to Cloud after pairing (completed the pairing process)

2. Normal operation

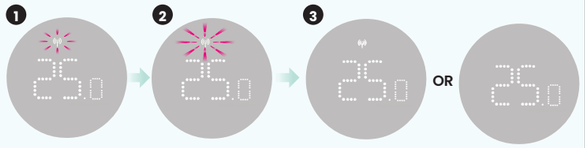
LED colour	Description
LED 1 is red	Heating/MAIN relay is OFF
LED 1 is green	Heating/MAIN relay is ON
LED 2 is red	Hot Water/AUX relay is OFF
LED 2 is green	Hot Water/AUX relay is ON

Power-up sequence



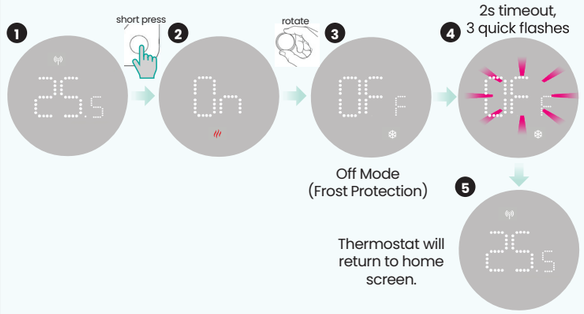
1. Insert the batteries.
2. IT850 will display all icons.
3. Then it will display firmware version.
4. IT850 will return to the Home screen.

RF indication (pairing)



1. Waiting for pairing. RF icon flashing slowly.
2. Pairing: RF icon flashing quickly
3. Pairing successful.
4. Pairing timeout

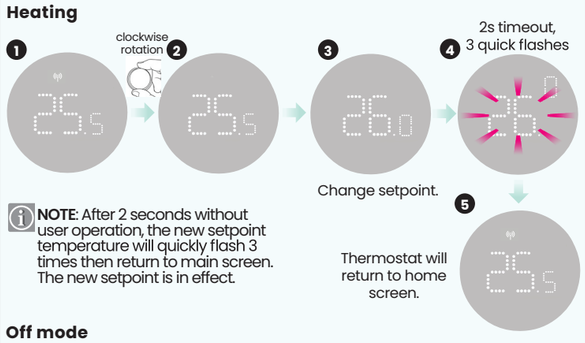
Change system mode



Change setpoint

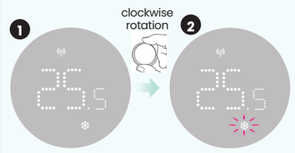
NOTE: The setpoint range is 5ºC – 35ºC, and it is limited by the max heating setpoint and min heating setpoint.

Heating



NOTE: After 2 seconds without user operation, the new setpoint temperature will quickly flash 3 times then return to main screen. The new setpoint is in effect.

Off mode

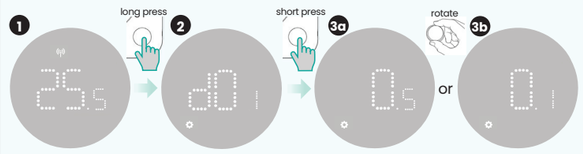


Setpoint cannot be changed in Off mode. When turning the dial, the Frost protection icon will flash 3 times indicating the Off state.

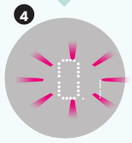
Administrator settings

NOTE: The administrator menu has six settings (d01 to d06). Follow the steps below to navigate the administator settings.

d01 - Temperature display increments



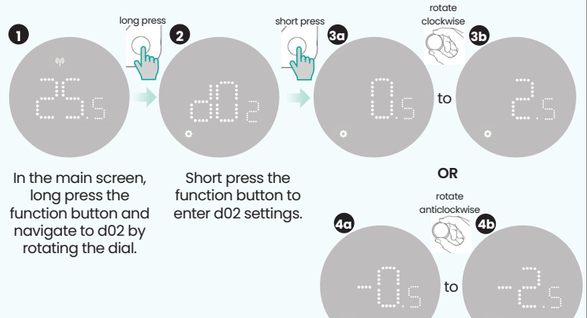
In the main screen, long press the function button until d01 is displayed.
Short press the function button to enter d01 settings.
Rotate the dial to select 0.5 or 0.1 increments.



Wait for 10 seconds. The new setting will flash 3 times and save. Thermostat will return to home screen.

NOTE: Short press the function button to save changes and remain in administrator d01-d06 settings. Long press the function button to save changes and return to main screen.

d02 - Temperature offset

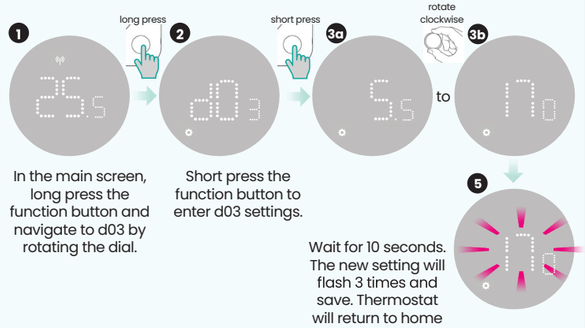


In the main screen, long press the function button and navigate to d02 by rotating the dial.
Short press the function button to enter d02 settings.

OR

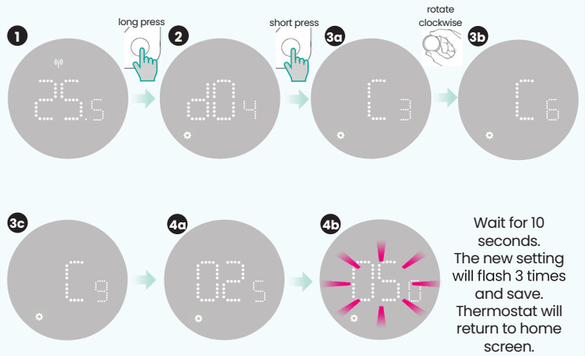
Wait for 10 seconds. The new setting will flash 3 times and save. Thermostat will return to home screen.

d03 - Frost setpoint



In the main screen, long press the function button and navigate to d03 by rotating the dial.
Short press the function button to enter d03 settings.
Wait for 10 seconds. The new setting will flash 3 times and save. Thermostat will return to home screen.

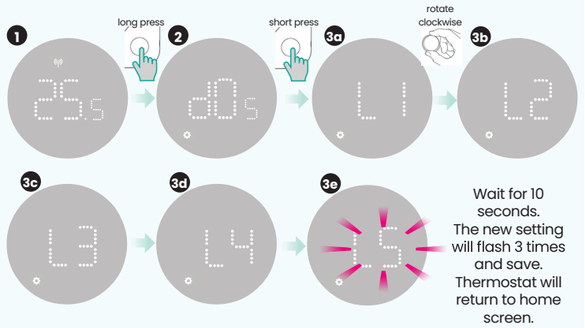
d04 - Control algorithm



Wait for 10 seconds. The new setting will flash 3 times and save. Thermostat will return to home screen.

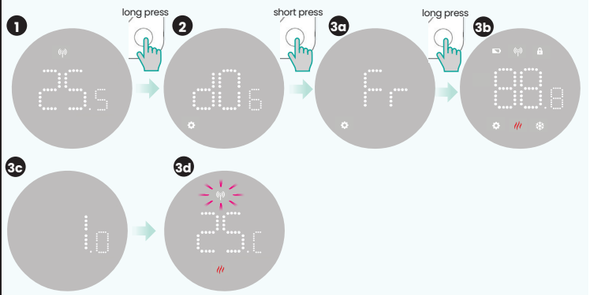
NOTE:
- C3 = 3 CPH (cycles per hour), ITLC (Intelligent Temperature Control Algorithm) - recommended for underfloor heating
- C6 = 6 CPH (default), ITLC for radiators
- C9 = 9 CPH, ITLC for electric heating
- 025 = SPAN +/- 0.25C
- 050 = SPAN +/- 0.50C

d05 - LED brightness



Wait for 10 seconds. The new setting will flash 3 times and save. Thermostat will return to home screen.

d06 - Factory reset



Troubleshooting

Receiver

Error code	Description/Cause	Suggestion
1010	WiFi SSID or password failed/WiFi password or SSID incorrect	1. Check for special characters. 2. Set router to WPA2 or WPA3. 3. Try another SSID.
1020-1090	Controller (boiler receiver) failed to add to AWS server/ Network or server issue	1. Factory reset receiver. 2. Ensure controller has a stable internet connection. 3. Restart pairing process. 4. Retry later (e.g., after 1 hour). 5. Reboot home router and try again
2010-2060	Controller (boiler receiver) failed to create Matter certification/ Network or server issue	1. Factory reset receiver. 2. Ensure controller has a stable internet connection. 3. Restart pairing process. 4. Retry later (e.g., after 1 hour). 5. Reboot home router and try again

Thermostat

Thread border router required (only in iOS)		1. Ensure the controller has a stable internet connection. 2. Do not use guest network. 3. Move the device closer to the controller. 4. Reboot the home Wi-Fi router. 5. Restart the pairing process.
Transaction timeout / Commission timeout / Network issue		1. Ensure the controller has a stable internet connection. 2. Do not use guest network. 3. Move the device closer to the controller. 4. Reboot the home Wi-Fi router. 5. Restart the pairing process.
Failing to find device in iOS		1. Factory reset the device. 2. Remove the Matter accessory in iPhone settings -> Matter accessories -> Edit, then add the device again.
-60	Initialize Matter Controller Library (App) / Database or phone system error	1. Fully close and reopen the Habi app. 2. Ensure the phone meets minimum OS requirements. 3. Reinstall the latest app version. 4. Remove the boiler receiver from the account and add both devices again.
50	Commission timeout / Network issue	1. The device may be unreachable despite commissioning. 2. Restart the boiler receiver. 3. Restart the Wi-Fi router. 4. Factory reset the device and add it again.