

Refoss MTS200

Refoss MTS200 Smart WiFi Heating Thermostat User Manual

Model: MTS200

1. PRODUCT OVERVIEW

The Refoss MTS200 is a smart WiFi heating thermostat designed to control gas boiler and water underfloor heating systems. It allows for precise temperature management, programmable scheduling, and remote control via a dedicated application or smart home platforms.

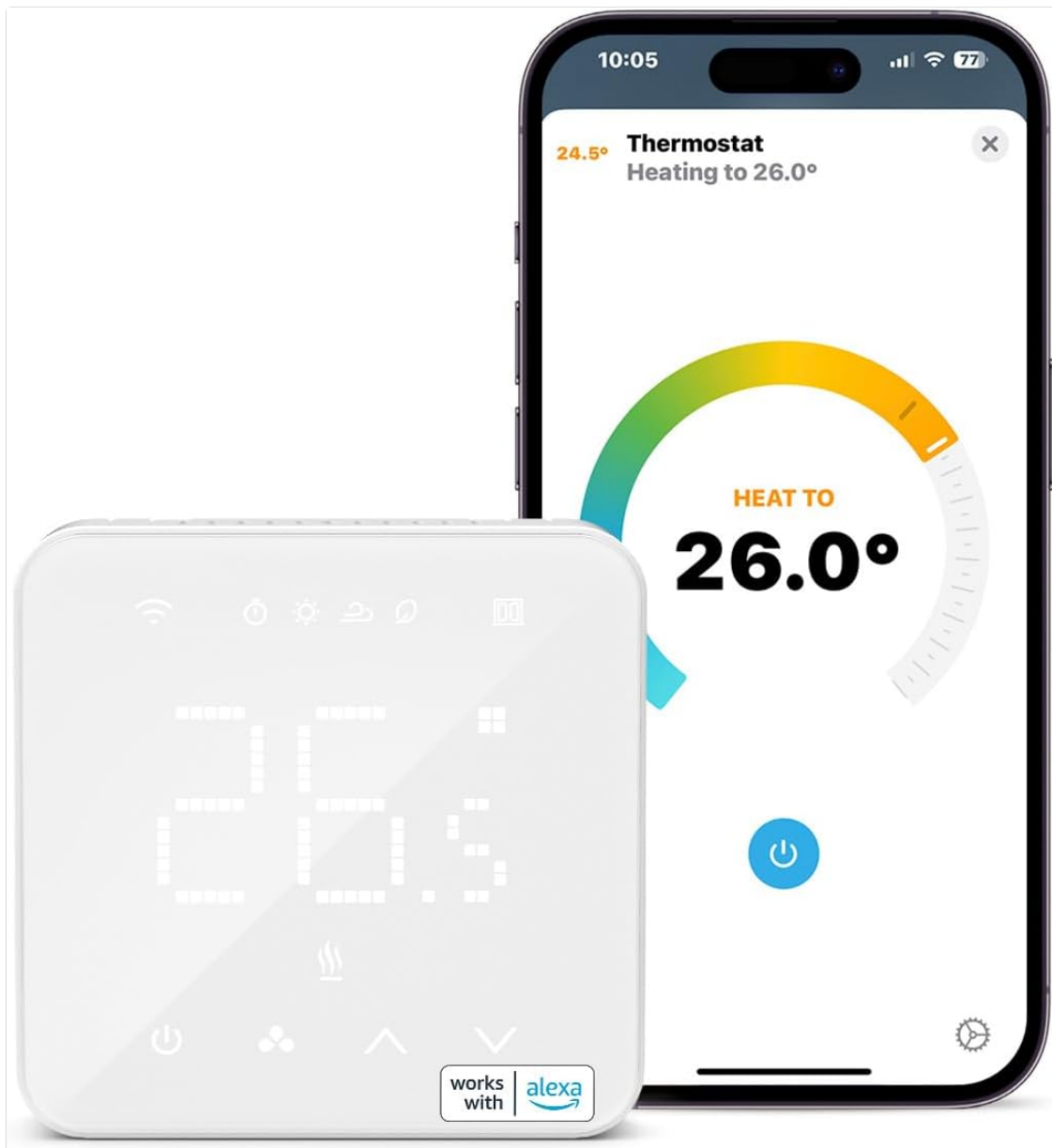


Image: Refoss Smart WiFi Thermostat MTS200 and its corresponding smartphone application interface, displaying current temperature and heating settings.

2. SAFETY INFORMATION

- Ensure all wiring is performed by a qualified electrician to prevent electric shock or damage to the device.
- Disconnect power before installation or maintenance.
- This device is designed for indoor use only.
- Do not expose the thermostat to water or excessive humidity.
- Keep out of reach of children.



Image: An open instruction manual displaying safety information and package contents in English and other languages.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Refoss MTS200 Smart WiFi Heating Thermostat
- Mounting Screws
- User Manual

4. SETUP AND INSTALLATION

4.1 Wiring Requirements

The Refoss MTS200 thermostat requires embedded wall installation. It operates on AC power and requires Live (L) and Neutral (N) wire connections. This device does not support battery power.

Schedule

Customize your cozy life with intelligent 7-day, 24-hour temperature programming.

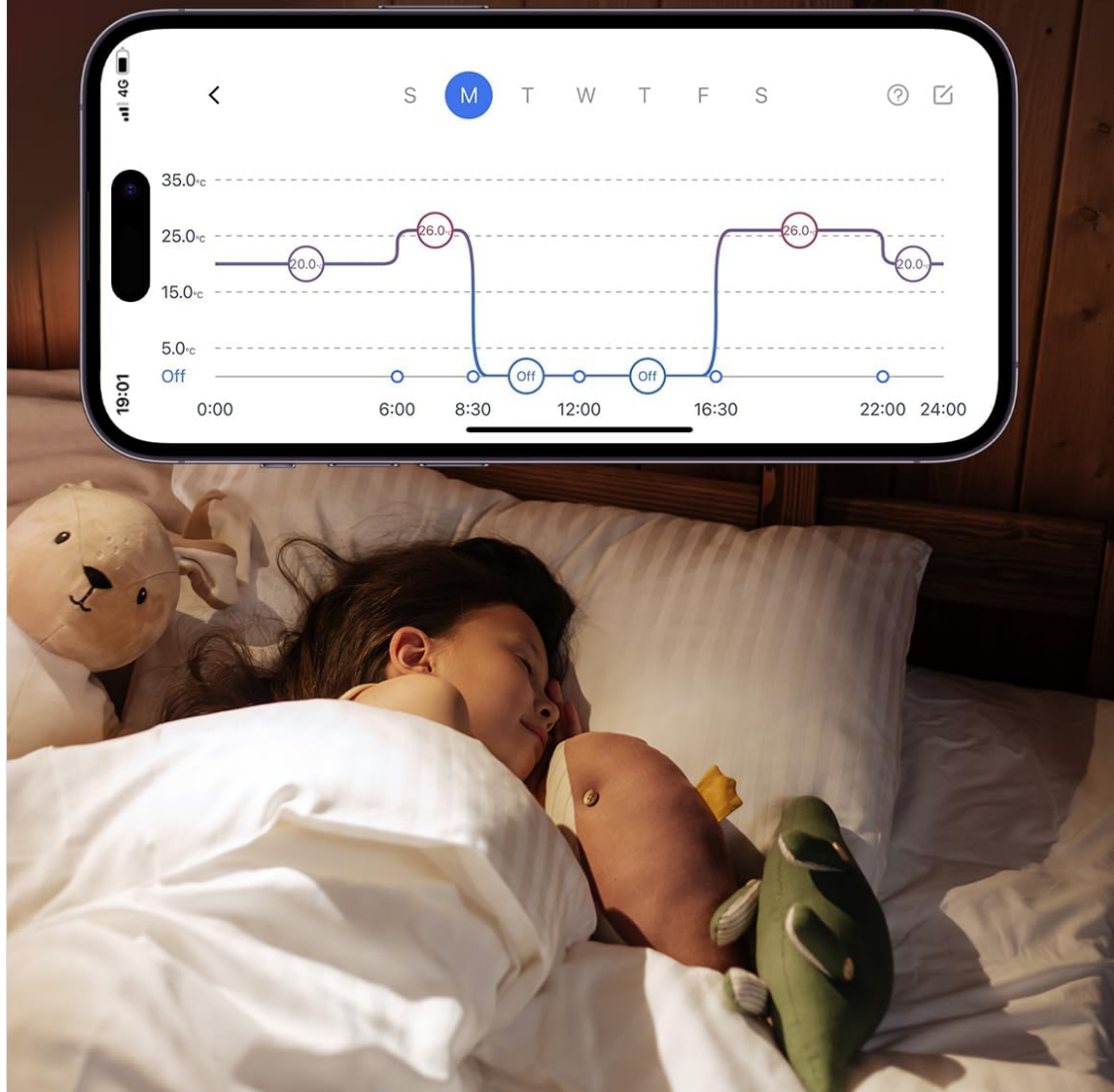


Image: A diagram detailing the dimensions for embedded wall mounting of the thermostat and illustrating the required Live (L) and Neutral (N) wire connections.

4.2 System Compatibility

This thermostat is designed for boiler and water underfloor heating systems only. It supports gas, water, and electricity boiler systems.

Track Your Heating

Monitor your heating system's status, track temperature trends, and measure the total duration of heating. Additionally, calculate the associated heating expenses.



Image: An illustration demonstrating the thermostat's compatibility with various boiler types and water underfloor heating systems.

4.3 App Connection

Download the Refoss app from your smartphone's app store. Follow the in-app instructions to connect your thermostat to your home WiFi network (2.4GHz only). The thermostat is compatible with Apple HomeKit, Amazon Alexa, and Google Home.

5. OPERATING INSTRUCTIONS

5.1 Basic Temperature Control

Adjust the target temperature directly on the thermostat's display using the up and down arrows, or through the Refoss app.

5.2 Programmable Scheduling

Utilize the Refoss app to set up intelligent 7-day, 24-hour temperature programming. This allows for customized heating schedules to optimize comfort and energy efficiency.



Image: The Refoss app displaying a weekly temperature schedule, illustrating how users can program heating times for different days.

5.3 Remote Control

Control your heating system from anywhere using the free Refoss app on your smartphone. No additional hub is required for basic remote control.

HomeKit Remote Control with Home Hub



Set up your HomePod, HomePod Mini, or Apple TV as a Home Hub so that you can control your HomeKit accessories remotely via the Apple Home app. A Home Hub is NOT needed for the Refoss app to control devices remotely. Scan to read FAQ from Apple.

Image: A smartphone displaying the Refoss app, demonstrating remote temperature control functionality.

5.4 Voice Control

Integrate your thermostat with Apple HomeKit, Amazon Alexa, or Google Home for convenient voice control. Adjust the temperature with simple voice commands.

Remote Control

Control temperature via the free app "Refoss".
No Hub Required.



Image: A person interacting with a smart speaker to control the thermostat via voice commands, highlighting compatibility with major smart home platforms.

5.5 Dual Sensor System

The thermostat features both an internal sensor to detect ambient room temperature and an optional external sensor for precise floor temperature monitoring, ensuring accurate heating control.

Open Window Detection



Image: A diagram illustrating the internal and external temperature sensors of the thermostat for precise temperature readings.

5.6 Open Window Detection

The thermostat can detect open windows and automatically pause heating to prevent energy waste. A notification will be sent to your smartphone.

Voice Control

Adjust the temperature with just one voice command.

Hey Siri, set the room temperature to 27°C.



Image: A smartphone displaying a notification indicating that an open window has been detected and heating has been turned off.

5.7 HomeKit Remote Control with Home Hub

For remote control via Apple HomeKit, set up a HomePod, HomePod Mini, or Apple TV as a Home Hub. This allows you to control your HomeKit accessories remotely using the Apple Home app. The Refoss app does not require a Home Hub for remote control.



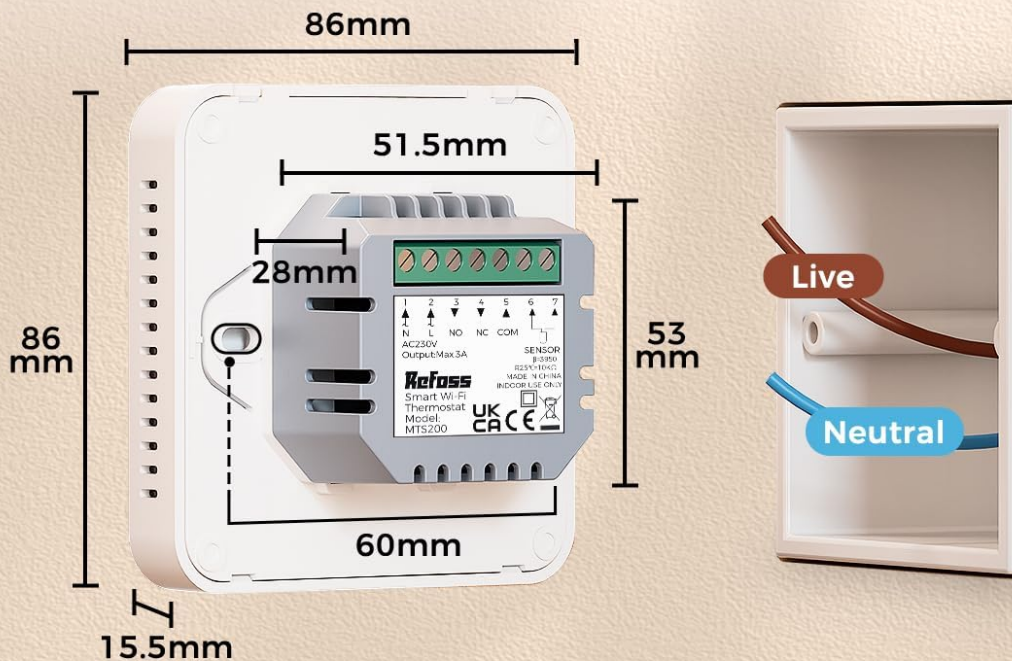
Image: Apple Home devices (HomePod, HomePod Mini, Apple TV) alongside a smartphone showing the Refoss app, demonstrating HomeKit integration. For more information on setting up a Home Hub, visit [Apple Support](#).

5.8 Heating Tracking

Monitor your heating system's status, track temperature trends, and view the total duration of heating. The app can also calculate associated heating expenses.

Embedded Wall Mounting

The device requires embedded wall installation, AC Live(L) wire and Neutral(N) wire are required.



* Does not support battery power.

Image: A smartphone displaying a graph of heating duration and estimated costs over time.

6. MAINTENANCE

To ensure optimal performance, periodically clean the thermostat's display and casing with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

7. TROUBLESHOOTING

- **Thermostat not powering on:** Check power connections and ensure the circuit breaker is not tripped. Verify Live (L) and Neutral (N) wires are correctly connected.
- **Cannot connect to WiFi:** Ensure your WiFi network is 2.4GHz. Check WiFi signal strength at the thermostat's location. Restart your router and the thermostat.

- **Inaccurate temperature readings:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources. If using an external sensor, ensure it is properly installed.
- **Heating not activating:** Verify the thermostat is set to heating mode and the target temperature is above the current room temperature. Check boiler operation.

8. SPECIFICATIONS

Feature	Specification
Brand	Refoss
Model Number	MTS200
Color	White
Product Dimensions	4.3 x 8.6 x 8.6 cm
Item Weight	212 g
Power / Wattage	750 watts
Voltage	240 Volts
Material	Polycarbonate (PC), Acrylonitrile Butadiene Styrene (ABS), Glass Panel
Connectivity Technology	Wi-Fi (2.4GHz)
Special Features	Programmable, Backlight
Controller Type	Amazon Alexa, Google Home, Apple HomeKit
Specific Uses	Boiler, Heated

9. WARRANTY AND SUPPORT

9.1 Warranty

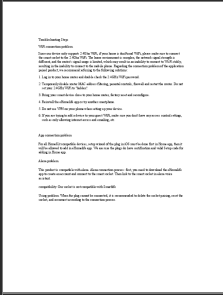
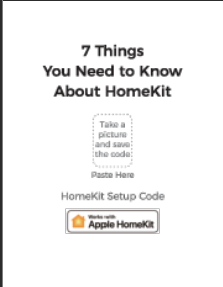

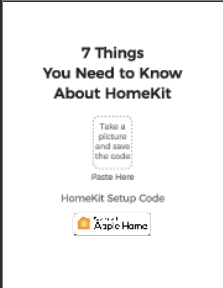


This product comes with a 2-year warranty.

9.2 Support

For technical assistance or customer support, please contact:

- Email: support@refoss.net
- Website: www.refoss.net/support

Related Documents - MTS200

	<p>Refoss Smart Plug Troubleshooting Guide: WiFi, HomeKit, and Alexa Connection Issues</p> <p>Resolve common connection problems with your Refoss smart plug. This guide provides troubleshooting steps for 2.4 GHz Wi-Fi, Apple HomeKit, and Amazon Alexa integration, plus general usage advice.</p>
	<p>7 Essential Tips for Using Apple HomeKit with Refoss Devices</p> <p>A comprehensive guide covering essential setup and usage tips for Apple HomeKit, including Wi-Fi requirements, iOS version compatibility, remote control setup via home hubs, device sharing, scene and automation creation, and the role of the eHomeLife app. Learn how to maximize your smart home experience with Refoss products and HomeKit.</p>
	<p>Refoss Smart Plug User Manual: Setup, Features, and Troubleshooting</p> <p>Comprehensive user manual for the Refoss smart plug, covering safety information, installation guide, LED status rules, linking with Google Assistant and Amazon Alexa, FAQs, and warranty details.</p>
	<p>7 Things You Need to Know About HomeKit Setup and Usage</p> <p>A comprehensive guide on setting up and using Apple HomeKit with Refoss devices, covering Wi-Fi requirements, iOS version compatibility, remote control, sharing features, and app integration.</p>
	<p>Refoss Smart Plug User Manual - Setup, Features, and Support</p> <p>Comprehensive user manual for the Refoss Smart Plug, detailing safety guidelines, package contents, LED status indicators, step-by-step installation, app setup, voice assistant integration with Alexa and Google Assistant, troubleshooting FAQ, warranty information, and disclaimers. Includes manufacturer details and support links.</p>
	<p>Refoss Smart Garage Door Opener User Manual</p> <p>Comprehensive user manual for the Refoss Smart Garage Door Opener, covering package contents, installation, usage, voice control, notifications, FAQ, and warranty information.</p>