

## Theben 8339501

# Theben RAMSES 833 TOP2 HF Set 1 Radio-Controlled Room Thermostat System Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Theben RAMSES 833 TOP2 HF Set 1 radio-controlled room thermostat system. This system is designed for precise ambient temperature control, offering comfort and energy efficiency.

The set typically includes a digital room thermostat and a receiver unit. It allows for flexible temperature management with programmable timelines and multiple comfort and setback temperature settings.

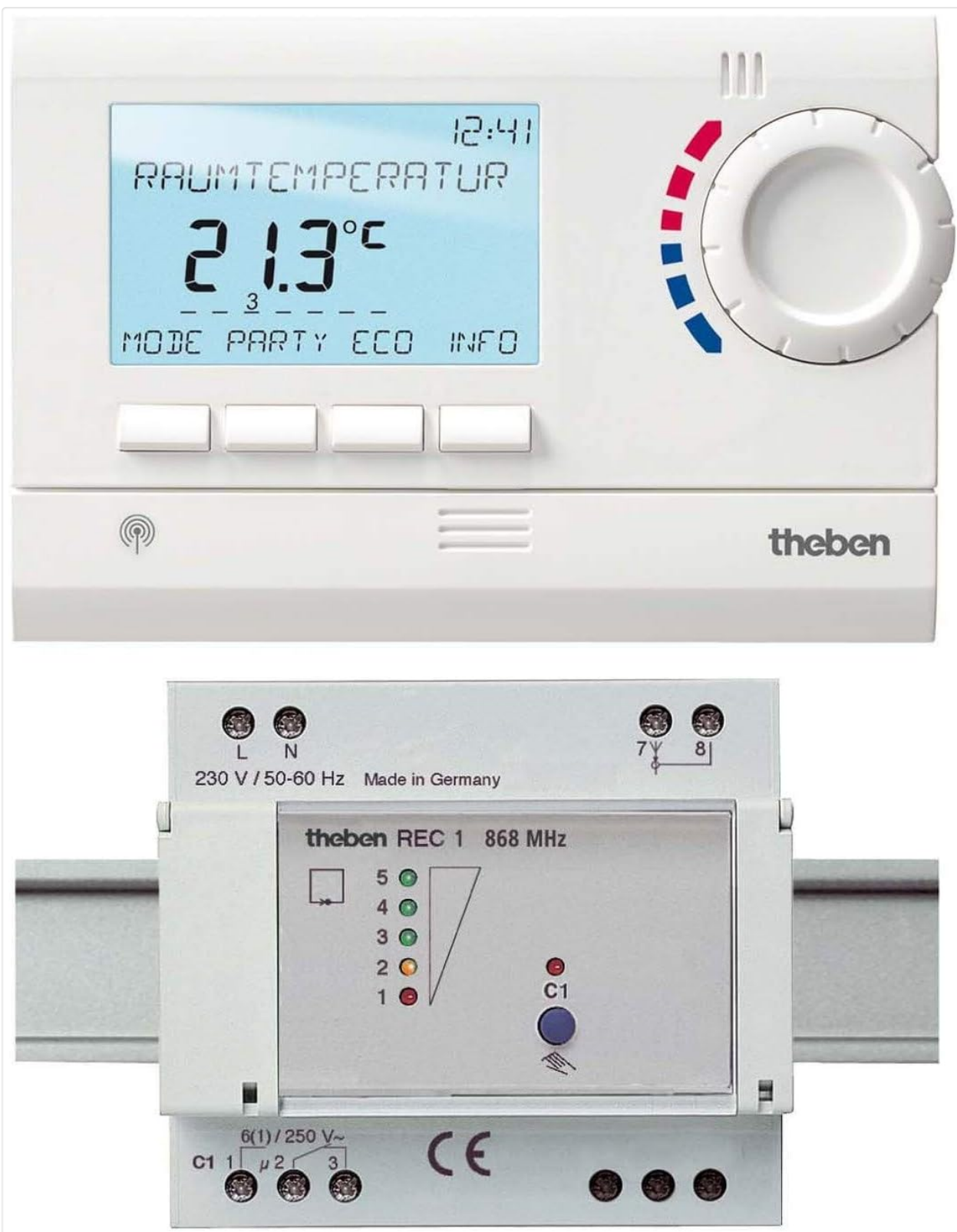
## 2. SAFETY INFORMATION

- Installation of the receiver unit involves working with mains voltage (230 V). All electrical work must be performed by a qualified electrician in accordance with local regulations and standards.
- Ensure the power supply is disconnected before performing any installation, maintenance, or wiring tasks.
- Do not open or attempt to repair the devices yourself. Refer all servicing to qualified personnel.
- Keep the devices away from moisture, dust, and extreme temperatures.

## 3. COMPONENTS OVERVIEW

The Theben RAMSES 833 TOP2 HF Set 1 consists of two main components:

- **Digital Room Thermostat:** The user interface for setting and monitoring room temperature.
- **Receiver Unit (Theben REC 1 868 MHz):** The switching component that receives signals from the thermostat and controls the heating system.



The top part of the image displays the Theben RAMSES 833 TOP2 HF digital thermostat, featuring a backlit LCD screen showing 'RAUMTEMPERATUR' (room temperature) at 21.3°C, the current time 12:41, and mode indicators (MODE, PARTY, ECO, INFO). Below the screen are four control buttons. To the right is a rotary knob with red and blue segments for temperature adjustment. The bottom part of the image shows the Theben REC 1 868 MHz receiver unit, designed for DIN rail mounting. It has terminals for L (Live), N (Neutral), and output connections (7, 8, C1, 1, 2, 3). A series of LEDs (5, 4, 3, 2, 1) and a C1 button are visible, indicating its operational status and pairing function. The unit is marked 'Made in Germany' and 'CE'.

## 4. SETUP

### 4.1 Receiver Unit Installation

The receiver unit (Theben REC 1 868 MHz) must be installed by a qualified electrician. It is designed for DIN rail mounting. Ensure the main power supply is disconnected before wiring.

- Connect the Live (L) and Neutral (N) wires to the corresponding terminals on the receiver. The unit operates at 230 V / 50-60 Hz.
- Connect the heating system control wires to the output terminals (e.g., 7, 8, C1, 1, 2, 3) as per your heating system's requirements and the wiring diagram provided with the product.

## 4.2 Thermostat Placement

Place the digital room thermostat in a central location within the room, away from direct sunlight, drafts, or heat sources (e.g., radiators, lamps) that could affect its temperature readings. Ensure it is within the effective range of the receiver unit for reliable radio communication.

## 4.3 Initial Pairing and Settings

After installing the receiver and powering on both units, the thermostat and receiver need to be paired. Refer to the specific pairing instructions provided with your product, which typically involves pressing a pairing button on the receiver (e.g., the 'C1' button) and initiating a pairing sequence on the thermostat (often indicated by the wireless symbol on the display).

Once paired, set the current time and date on the thermostat if prompted. This is crucial for accurate program scheduling.

# 5. OPERATING INSTRUCTIONS

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## 5.1 Adjusting Temperature

The desired room temperature can be quickly adjusted using the rotary knob on the thermostat. Turning the knob clockwise typically increases the set temperature, while turning it counter-clockwise decreases it. The current room temperature and the setpoint will be displayed on the LCD screen.

## 5.2 Understanding the Display

The LCD display provides key information:

- **RAUMTEMPERATUR:** Indicates the current room temperature.
- **Time (e.g., 12:41):** Displays the current time.
- **Mode Indicators (MODE, PARTY, ECO, INFO):** Show the currently active operating mode or provide access to specific functions.

## 5.3 Mode Selection

Use the buttons below the display to select different operating modes:

- **MODE:** Typically used to cycle through main operating modes (e.g., Automatic, Manual, Off) or to enter programming menus.
- **PARTY:** Activates a temporary comfort temperature setting, overriding the current program for a set duration.
- **ECO:** Engages an energy-saving setback temperature, ideal for periods of absence or overnight.
- **INFO:** Provides additional information, such as current program status, battery level, or error codes.

## 5.4 Programming Schedules

The system supports up to 24 programmable timelines per program, allowing for precise control over your heating schedule. You can assign 3 comfort temperatures and 2 setback temperatures to different phases

throughout the day or week.

- Access the programming menu via the MODE button or a dedicated programming button (refer to your specific model's detailed instructions).
- Define time blocks for each day.
- Assign a desired comfort or setback temperature to each time block.
- Save your program settings.

## 6. MAINTENANCE

### 6.1 Battery Replacement (Thermostat)

The digital room thermostat is typically battery-powered. When the battery level is low, a low battery indicator will appear on the display. Replace the batteries promptly to ensure continuous operation. Use the recommended battery type as specified in the product documentation.

### 6.2 Cleaning

Clean the thermostat and receiver units with a soft, dry cloth. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the devices.

## 7. TROUBLESHOOTING

- **No Display/Unit Not Responding:** Check batteries in the thermostat. Ensure the receiver unit has power and its circuit breaker is not tripped.
- **No Communication (Wireless Symbol Flashing):** The thermostat and receiver may be out of range or have lost pairing. Try re-pairing the units as described in Section 4.3. Ensure no significant obstacles are blocking the radio signal.
- **Incorrect Temperature Reading:** Verify the thermostat's placement. Ensure it is not exposed to direct heat sources, drafts, or cold spots.
- **Heating Not Turning On/Off:** Check the receiver's wiring and ensure it is correctly connected to the heating system. Verify the thermostat's program and current mode.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Theben
Model Number	8339501
Product Dimensions (L x W x H)	9.5 x 2.3 x 14 cm
Item Weight	830 g
Voltage	250 Volts (Receiver: 230 V / 50-60 Hz)
Controller Type	Mechanical button (Rotary knob)
Backlight	Yes

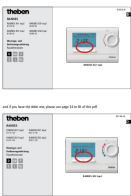
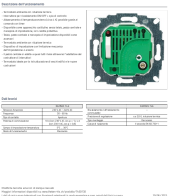

Feature	Specification
Radio Frequency	868 MHz (Theben REC 1)
Programmable Timelines	24 per program
Temperature Settings	3 Comfort, 2 Setback


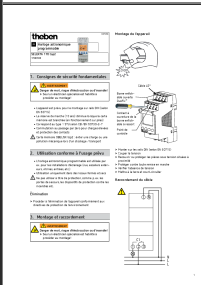

## 9. WARRANTY AND SUPPORT

Specific warranty information for the Theben RAMSES 833 TOP2 HF Set 1 is not provided in this manual. For details regarding warranty coverage, terms, and conditions, please refer to the documentation included with your purchase or contact Theben customer support directly.

For technical assistance, spare parts availability, or further inquiries, please visit the official Theben website or contact their authorized service centers.

### Related Documents - 8339501

	<p><a href="#">theben RAMSES 811/812/831/832 top2 Room Thermostat - Operating and Installation Instructions</a></p> <p>Comprehensive operating and installation instructions for the theben RAMSES 811, 812, 831, and 832 top2 series room thermostats. This guide covers setup, user settings, programming, and technical data for efficient room temperature control.</p>
	<p><a href="#">Theben RAMSES 746 Room Thermostat - Technical Specifications and Features</a></p> <p>Detailed technical information and features for the Theben RAMSES 746 room thermostat, including operating voltage, switching capacity, temperature setting range, and technical data. Learn about its functionality for climate control and heating/cooling systems.</p>
	<p><a href="#">Theben RAMSES 748 RA Room Thermostat - Technical Specifications and Features</a></p> <p>Detailed technical specifications, functions, and wiring diagrams for the Theben RAMSES 748 RA room thermostat, a mechanical thermostat for heating and cooling systems.</p>

	<p><a href="#">Theben RAM706S : Thermostat d'Ambiance Électronique - Spécifications Techniques et Caractéristiques</a></p> <p>Découvrez le thermostat d'ambiance électronique Theben RAM706S. Ce document présente ses caractéristiques techniques, ses fonctionnalités, son schéma de raccordement et les accessoires compatibles, idéal pour le contrôle de température de divers systèmes de chauffage.</p>
	<p><a href="#">Theben SELEKTA 170 top2 Programmable Astronomical Timer - User Manual</a></p> <p>Comprehensive user manual for the Theben SELEKTA 170 top2 programmable astronomical timer (Model 1700100). Covers installation, setup, programming, technical specifications, and contact information.</p>
	<p><a href="#">Theben SELEKTA 174 top3 Digital Time Switch - Features, Specifications, and Accessories</a></p> <p>Detailed information on the Theben SELEKTA 174 top3 digital time switch, including its features, technical specifications, functional descriptions, and available accessories. This device offers advanced time and light control capabilities.</p>