

Elektrobock FRT7B2

Elektrobock Wireless Room Thermostat FRT7B2 User Manual

Model: FRT7B2

1. INTRODUCTION AND OVERVIEW

The Elektrobock FRT7B2 is a wireless room thermostat system designed to control heating sources based on the desired room temperature. It consists of two main components: a wireless transmitter unit (thermostat) that monitors the temperature in a specific room, and a switching element receiver that controls the connected heating source. This system offers clear display with backlighting, extended wireless range, and various programmable features for efficient temperature management.

2. PRODUCT COMPONENTS

The FRT7B2 system includes the following main components:

- **Wireless Thermostat (Transmitter):** This unit features a clear backlit display and controls for setting temperature and operating modes. It is powered by batteries.
- **Receiver Unit:** This unit connects to your heating system and receives signals from the wireless thermostat to switch the heating on or off. It is mains powered.



Figure 2.1: The Elektrobock FRT7B2 wireless thermostat (left) and its receiver unit (right).

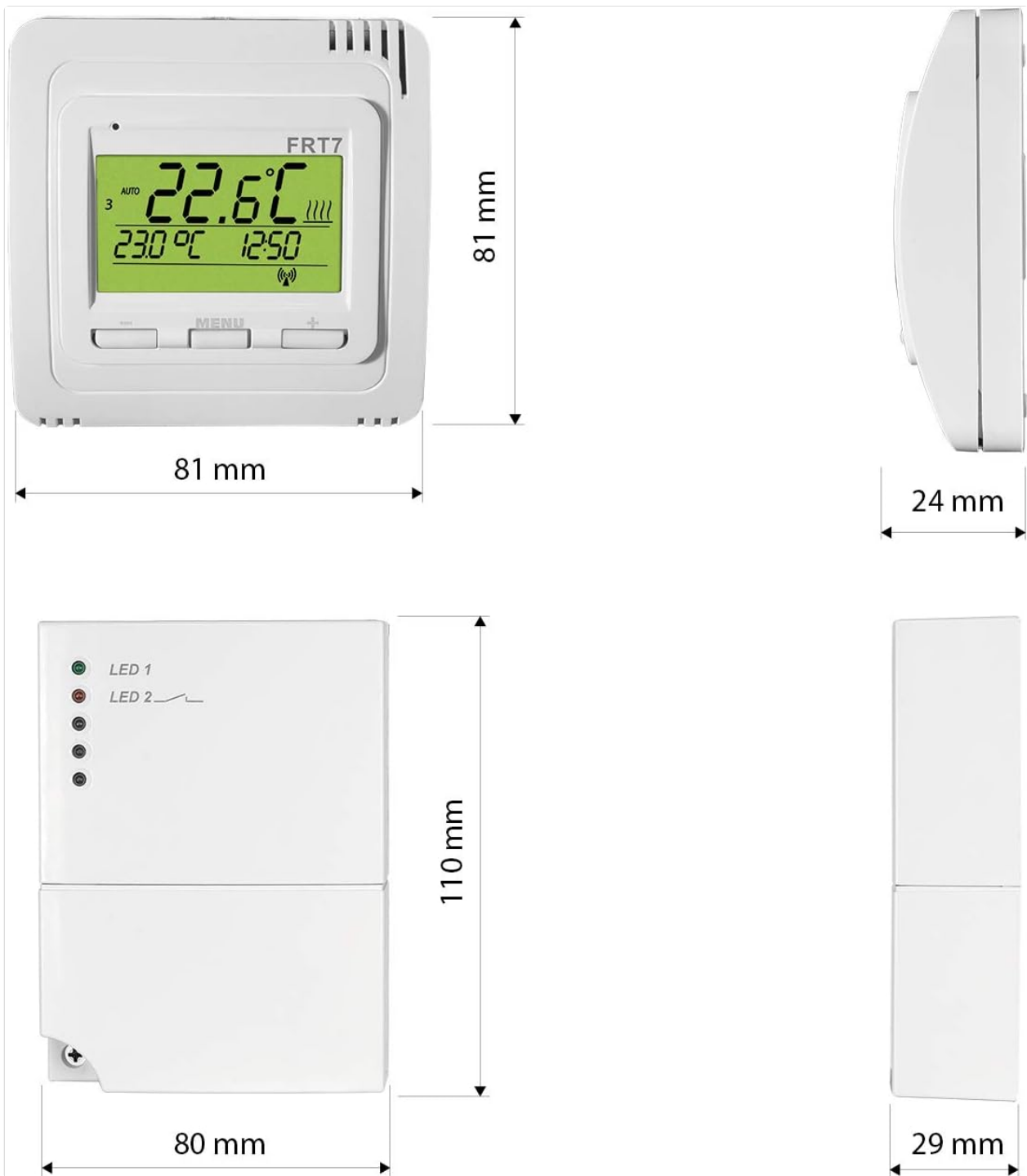


Figure 2.2: Detailed dimensions of the FRT7B2 wireless thermostat and receiver unit.

3. SETUP AND INSTALLATION

3.1. Thermostat (Transmitter) Battery Installation

1. Gently open the battery compartment cover on the back of the thermostat unit.
2. Insert two 1.5V AAA alkaline batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.



Figure 3.1: Rear view of the thermostat, indicating the battery compartment and mounting points.

3.2. Receiver Unit Wiring and Placement

The receiver unit must be wired to your heating system. This installation should be performed by a qualified electrician to ensure safety and proper functionality.

1. Ensure the main power supply to the heating system is turned off before commencing any wiring.
2. Connect the receiver unit according to the wiring diagram provided in the full product manual (not included here). The receiver operates at 230 Volts.
3. Mount the receiver unit in a suitable location, typically near the heating appliance, ensuring it is within the wireless range of the thermostat (up to 35m indoors, 200m outdoors).
4. Restore power to the heating system after installation is complete.

3.3. Pairing the Thermostat and Receiver

The thermostat and receiver are typically pre-paired from the factory. If re-pairing is necessary, refer to the detailed instructions in the complete product manual. The system uses digital signal coding for reliable communication.

4. OPERATING INSTRUCTIONS

4.1. Display Overview

The thermostat features a clear backlit display showing current temperature, set temperature, time, and operating mode indicators. The display provides essential information at a glance.



Figure 4.1: Front view of the thermostat, highlighting the backlit display and control buttons.

4.2. Basic Temperature Adjustment

To adjust the desired temperature:

1. Press the + or - buttons located below the display to increase or decrease the set temperature.
2. The temperature can be adjusted in 0.5°C increments.
3. The new setting will be active immediately in manual mode or as a temporary override in automatic mode.

4.3. Operating Modes

The thermostat supports several operating modes:

- **AUTO (Automatic):** Follows the programmed weekly schedule.
- **MANU (Manual):** Maintains a constant temperature set by the user, overriding the program.

- **OFF:** Turns off the heating. Frost protection (3°C) remains active.
- **HOLIDAY:** Sets a specific temperature for a defined holiday period.

Use the **MENU** button to cycle through and select the desired operating mode.

5. PROGRAMMING FEATURES

The FRT7B2 offers advanced programming capabilities for energy efficiency and comfort.

5.1. Weekly Program

The thermostat comes with a predefined weekly program. You can customize this program based on individual days (Mon-Sun), weekdays (Mon-Fri), weekends (Sat-Sun), or the entire week (Mon-Sun). Up to 6 temperature changes can be set per day.

5.2. Short-Term Temperature Modification

While in AUTO mode, you can temporarily adjust the temperature. This change will be active for a short period (e.g., 10 minutes) or until the next programmed temperature change, after which the thermostat will revert to its schedule.

5.3. 'OPEN WINDOW' Function

This intelligent feature automatically switches off the heating if a sudden drop in temperature is detected, indicating an open window or door. This helps prevent energy waste.

5.4. Hysteresis Setting

The hysteresis (temperature differential) can be adjusted from 0.1°C to 6°C. This setting determines the temperature range around the set point within which the heating will not switch on or off, preventing rapid cycling of the heating system.

6. MAINTENANCE

6.1. Battery Replacement

When the battery indicator appears on the display, replace the AAA batteries in the thermostat unit as described in Section 3.1. Use only high-quality alkaline batteries.

6.2. Cleaning

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

7. TROUBLESHOOTING

If you encounter issues with your Elektrobock FRT7B2 thermostat, consider the following common solutions:

- **No Display/Thermostat Not Responding:** Check and replace the batteries in the thermostat unit. Ensure they are inserted with correct polarity.
- **Heating Not Responding to Thermostat:** Verify that the receiver unit has power and its indicator lights are active. Check the wireless connection; try re-pairing if necessary (refer to the full manual). Ensure the thermostat is within range of the receiver.
- **Incorrect Temperature Reading:** Ensure the thermostat is not placed near heat sources (e.g., direct sunlight, lamps) or cold drafts, which can affect its accuracy. The measurement precision is $\pm 0.5^\circ\text{C}$.

- **Difficulty with Programming:** Refer to the detailed programming section in the complete product manual for step-by-step instructions. Initial setup can sometimes require careful attention to detail.

For persistent issues, contact Elektrobock customer support or consult a qualified technician.

8. SPECIFICATIONS

Feature	Specification
Model Number	FRT7B2
Brand	Elektrobock
Power Source (Thermostat)	2 x 1.5V AAA Alkaline Batteries
Power Source (Receiver)	230 Volts
Wireless Range (Indoor)	Up to 35 meters
Wireless Range (Outdoor)	Up to 200 meters
Temperature Setting Range	5°C to 39°C
Temperature Adjustment Increment	0.5°C
Measurement Precision	± 0.5°C
Hysteresis Range	0.1°C to 6°C
Frost Protection	3°C
Operating Modes	AUTO/MANU/OFF/HOLIDAY
Programmable Changes per Day	6
Dimensions (Thermostat)	81 x 81 x 24 mm
Dimensions (Receiver)	80 x 110 x 29 mm
Weight	207 g (total)
Connectivity Technology	RF (Radio Frequency)
Special Feature	Programmable, Clear Backlit Display, Open Window Function, Automatic Summer/Winter Time Change

9. WARRANTY AND SUPPORT

Warranty information for the Elektrobock FRT7B2 thermostat is typically provided with the product packaging or can be found on the manufacturer's official website. Please retain your proof of purchase for warranty claims.

For technical support, further assistance, or to inquire about spare parts, please contact Elektrobock customer

service directly. Contact details can usually be found in the product documentation or on the Elektrobock website.

Related Documents - FRT7B2

	FRT7B2 Vezeték nélküli termosztát és vevő készlet Használati Útmutató Részletes használati útmutató és műszaki adatok az ELEKTROBOCK CZ FRT7B2 vezeték nélküli termosztát és vevő készlethez, telepítést, működést és funkciókat ismertetve.
	BEARWARE Programmable Socket Thermostat User Guide User manual for the BEARWARE Elektrobock Socket Thermostat, a programmable device designed for precise room temperature control. Features include 7-day programming, anti-frost protection, multiple heating modes (Comfort, ECO, Holiday), and an easy-to-read LCD display.
	TS10 Thermo-Switch Socket User Manual and Specifications Comprehensive user manual for the ELEKTROBOCK CZ TS10 Thermo-Switch Socket, detailing its features, programming, installation, and specifications for automatic regulation of electrical heating systems.
	Termostat Pokojowy ELEKTROBOCK PT23: Instrukcja Obsługi i Montażu Szczegółowy przewodnik po termostacie pokojowym ELEKTROBOCK PT23. Dowiedz się o funkcjach, instalacji, programowaniu tygodniowym, trybach pracy i specyfikacjach technicznych.
	ELEKTROBOCK CZ CS3C-1B Timer Switch - Installation and Technical Guide Comprehensive guide for the ELEKTROBOCK CZ CS3C-1B timer switch. Learn about its features, installation, wiring, timing adjustments, and technical specifications for controlling ventilators based on lighting.



[FRT7B2 Vezeték nélküli termosztát és vevő készlet Használati Útmutató](#)

Részletes használati útmutató és műszaki adatok az ELEKTROBOCK CZ FRT7B2 vezetékek nélküli termosztát és vevő készlethez, telepítést, működést és funkciókat ismertetve.

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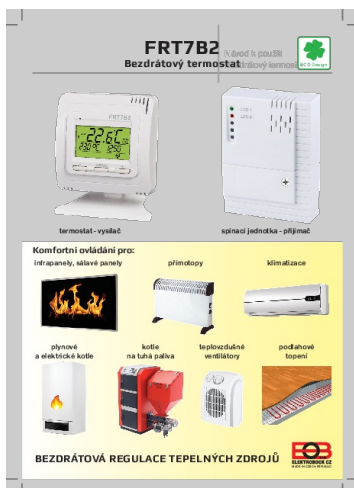


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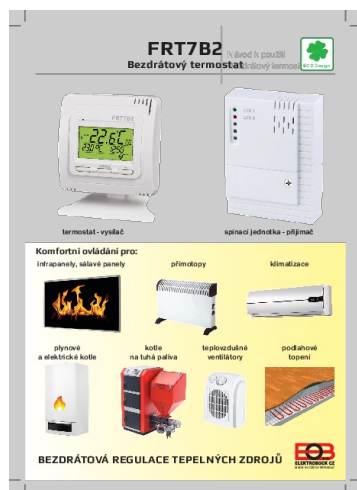


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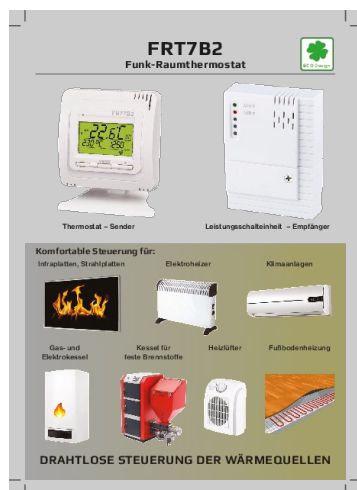
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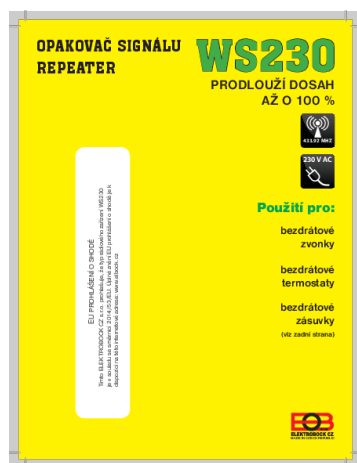


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FRT7B2 Funk-Raumthermostat ECO Design Thermostat Sender

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