

Elektrobock PT712

Elektrobock PT712 Digital Thermostat User Manual

For Underfloor Heating Systems

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and programming of the Elektrobock PT712 digital thermostat. Designed for precise control of underfloor heating systems, the PT712 offers advanced features to optimize comfort and energy efficiency in your home or office.

Please read this manual carefully before installation and use to ensure proper function and to prevent any damage to the device or heating system. Keep this manual for future reference.



Figure 1: Front view of the Elektrobock PT712 Digital Thermostat, highlighting its clear display and European manufacturing origin.

2. KEY FEATURES

The Elektrobock PT712 thermostat is equipped with several features designed for user convenience and efficient heating control:

- **Large Backlit LCD Display:** Provides clear visibility of temperature, time, and program settings.
- **Programmable Weekly Schedule:** Allows for 2 weekly programs with up to 6 temperature changes per day, offering flexible heating control.
- **Adjustable Hysteresis:** Customizable temperature differential from 0.1°C to 5°C for precise temperature management.
- **Operating Modes:** Includes Auto, Manual, Off, and Holiday modes to suit various needs.
- **Maximum Floor Temperature Limit:** Prevents overheating of the floor.
- **Quick Temperature Adjustment:** Easily modify the desired temperature temporarily.
- **Operating Hours Information:** Tracks the total time the heating system has been active.

- **Child Lock / Key Lock:** Prevents unauthorized changes to settings.
- **Power Reserve:** Integrated NiMH battery provides over 100 hours of power reserve during outages, maintaining settings.
- **Easy Plug-in Installation:** Designed for straightforward setup.
- **Elegant Design:** Integrates seamlessly with modern interiors.

Was macht unser Produkt aus?





2 Wochenprogramme mit
6 Temperaturänderungen speicherbar



Anzeige der Heizdauer Gesamt



LCD-Display mit
Hintergrundbeleuchtung

Figure 2: Visual representation of key features including programmable schedules and display characteristics.

Was macht unser Produkt aus?



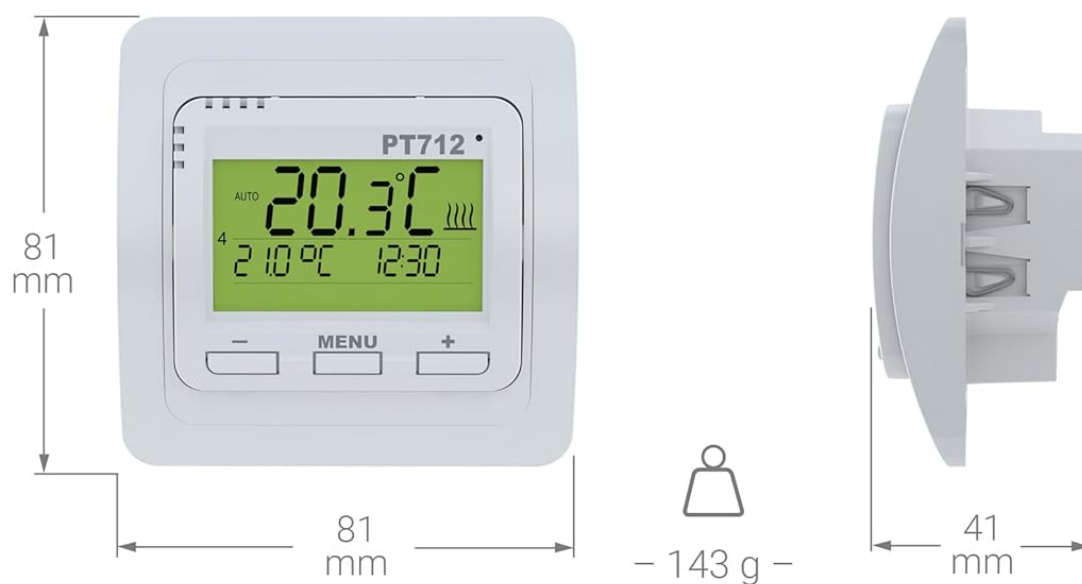
Figure 3: Additional features such as external sensor compatibility, child lock, and hysteresis adjustment.

3. TECHNICAL SPECIFICATIONS

Parameter	Value
Power Supply	230 V / 50 Hz

Parameter	Value
Number of Settable Temperatures	6 per day
Hysteresis	0.1 °C to 5 °C
Minimum Programming Time	10 minutes
Temperature Regulation Range	3 °C to 99.5 °C
Temperature Setting Step	0.5 °C
Minimum Indication	0.1 °C
Accuracy	± 0.5 °C
Power Reserve (NiMH)	Over 100 hours
Protection Class	IP20 (free contacts)
Maximum Load	12 A, 2760 W
Operating Temperature	0 °C to 40 °C
Dimensions (L x W x H)	14 x 9 x 25 cm
Weight	160 grams

Technische Spezifikationen



Betriebsspannung:
230 V / 50 Hz

Hysterese:
0,1 bis 6 °C

Mindestanzeige:
0,1 °C

Temperatureinstellung:
nach 0,5°C

Min. Programmierzeit:
10 min

Frostschutz:
+3°C

Messgenauigkeit:
± 0,5°C

Schutzklasse:
IP20

Ausgang:
**max.12 A (potential-
freier Kontakt)**

Arbeitstemperatur:
0 - 40 °C



Figure 4: Detailed technical specifications and physical dimensions of the PT712 thermostat.

Speichert Einstellung für Stromausfall



**Integrierte Batterie:
(bis 100 Std.)**

Gerät muss mindestens 24h am Strom angeschlossen sein, damit interne Batterie vollgeladen ist.



Figure 5: The thermostat features an integrated battery for power reserve, ensuring settings are retained during power outages. The device must be connected to power for at least 24 hours for the internal battery to be fully charged.

4. INSTALLATION

The Elektrobock PT712 thermostat is designed for easy plug-in installation, typically as a flush-mount unit. Professional installation by a qualified electrician is recommended to ensure safety and compliance with local electrical codes.

4.1 Safety Precautions

- Always disconnect power to the heating circuit at the main breaker before beginning any installation work.
- Ensure the wiring matches the specifications of the thermostat (230V/50Hz).
- The device has a protection class of IP20, meaning it is protected against solid objects larger than 12.5mm but has no protection against water. Install in a dry location.

4.2 Mounting

The PT712 is suitable for flush-mount installation in a standard wall box with a diameter of 68mm or greater.

1. Prepare the wall box and ensure all necessary wiring (power supply, heating element connection, and optional external sensor) is accessible.
2. Connect the electrical wires to the appropriate terminals on the back of the thermostat according to the wiring diagram provided in the full product documentation (not included in this manual).
3. Carefully insert the thermostat into the wall box and secure it using the mounting screws.
4. Attach the front cover or frame of the thermostat.
5. Restore power to the heating circuit.

Unterputzmontage

Geeignet für Hohlwanddose $D \geq 68\text{mm}$



Figure 6: Illustration of the flush-mount installation process for the PT712 thermostat, suitable for standard wall boxes.

4.3 Compatibility

The Elektrobock PT712 thermostat is designed for use with various electric heating systems, including:

- Electric Underfloor Heating
- Infrared Heating Panels
- Electric Radiators

Geeignet für elektrische Heizungen

Fußbodenheizung elektrisch



Infrarotheizungen



Elektroheizkörper



Figure 7: The PT712 thermostat is compatible with various electric heating solutions.

5. OPERATION

The PT712 thermostat features a user-friendly interface with a clear LCD display and intuitive buttons for navigation and setting adjustments.

5.1 Display Overview

The LCD display shows the current room temperature, set temperature, time, active program mode, and heating

status indicators. Refer to the full product manual for a detailed diagram of all display icons.



Figure 8: A close-up of the thermostat's display, showing essential information at a glance.

5.2 Buttons

- **MENU Button:** Used to access and navigate through the thermostat's settings and programming menus.
- **'+' Button:** Increases values, navigates forward in menus, or increases the set temperature.
- **'-' Button:** Decreases values, navigates backward in menus, or decreases the set temperature.

5.3 Operating Modes

The PT712 offers several operating modes:

- **Auto Mode:** Follows the programmed weekly schedule.
- **Manual Mode:** Maintains a constant user-defined temperature.
- **Off Mode:** Turns off the heating. Frost protection may still be active depending on settings.
- **Holiday Mode:** Sets a specific temperature for a defined period, ideal for when you are away.

Switch between modes using the MENU button and following the on-screen prompts. Detailed instructions for each mode are available in the comprehensive user manual.

6. PROGRAMMING

The PT712 allows for advanced programming to optimize your heating schedule. You can set 2 weekly programs, each with up to 6 temperature changes per day.

6.1 Setting Time and Date

Before programming, ensure the correct time and date are set on the thermostat. Access this setting via the MENU button and navigate to the time/date options. Use the '+' and '-' buttons to adjust values.

6.2 Creating a Weekly Program

1. Press the MENU button to enter the main menu.
2. Navigate to the "Program" or "Schedule" option.
3. Select one of the two available weekly programs (e.g., Program 1 or Program 2).
4. For each day of the week, you can define up to 6 time intervals and their corresponding desired temperatures.
5. Use the '+' and '-' buttons to adjust the start time and temperature for each interval.
6. Confirm each setting before moving to the next.
7. Repeat for all desired days and intervals.

Refer to the detailed programming section in the full user manual for specific menu navigation and advanced programming options, such as copying programs between days or weeks.

6.3 Child Lock / Key Lock

To prevent accidental or unauthorized changes, activate the child lock feature. This typically involves a combination of button presses or a menu option. Consult the full manual for activation and deactivation procedures.

7. MAINTENANCE

The Elektrobock PT712 thermostat requires minimal maintenance to ensure long-term reliable operation.

7.1 Cleaning

- Wipe the thermostat's surface with a soft, dry, or slightly damp cloth.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the plastic and electronic components.
- Ensure no liquid enters the device.

7.2 Battery Maintenance

The integrated NiMH battery provides power reserve. For optimal performance, ensure the thermostat is connected to power for at least 24 hours after initial installation or extended power outages to fully charge the internal battery.

7.3 Service

The PT712 thermostat contains no user-serviceable parts. Do not attempt to open or repair the device yourself. Contact qualified service personnel for any repairs.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with your Elektrobock PT712 thermostat. For more complex problems, consult the full user manual or contact customer support.

Problem	Possible Cause	Solution
Display is blank.	No power supply; internal battery discharged.	Check main power breaker. Ensure thermostat is properly wired. Allow 24 hours for internal battery to charge after power connection.
Heating not turning on.	Thermostat in Off mode; set temperature too low; program not active; wiring issue.	Check operating mode (ensure it's Auto or Manual). Increase set temperature above current room temperature. Verify program schedule. Consult an electrician to check wiring.
Temperature inaccurate.	Sensor obstructed; thermostat located near heat source/draft.	Ensure the thermostat's sensor is not covered. Relocate the thermostat if it's in an unsuitable position. Calibrate if an external sensor is used and calibration option is available (refer to full manual).
Settings are lost after power outage.	Internal battery not fully charged or faulty.	Ensure the thermostat has been connected to power for at least 24 hours to charge the internal battery. If the issue persists, the battery may need replacement by a qualified technician.
Buttons unresponsive (Child Lock).	Child lock feature is active.	Deactivate the child lock as per instructions in the full user manual.

9. SAFETY INFORMATION


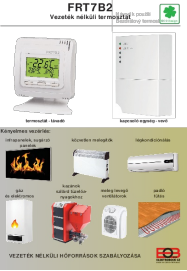
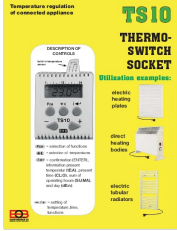
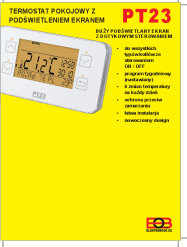

- This device is intended for indoor use only.
- Do not expose the thermostat to water, high humidity, or extreme temperatures.
- Ensure proper ventilation around the device.
- Installation and electrical connections must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Disconnect power before cleaning or performing any maintenance.
- Keep out of reach of children.

10. WARRANTY AND SUPPORT

Specific warranty information for the Elektrobock PT712 thermostat is not provided in the available product data. Please refer to the documentation included with your purchase or contact Elektrobock customer support for details regarding warranty terms and conditions.

For technical support or inquiries, please visit the official Elektrobock website or contact their customer service department. Contact information can typically be found on the product packaging or the manufacturer's website.

Related Documents - PT712

	<p>BEARWARE Programmable Socket Thermostat User Guide</p> <p>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.</p>
	<p>FRT7B2 Vezeték nélküli termosztát és vevő készlet Használati Útmutató</p> <p>Részletes használati útmutató és műszaki adatok az ELEKTROBOCK CZ FRT7B2 vezeték nélküli termosztát és vevő készlethez, telepítést, működést és funkciókat ismertetve.</p>
	<p>TS10 Thermo-Switch Socket User Manual and Specifications</p> <p>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.</p>
	<p>Termosztát Pokojowy ELEKTROBOCK PT23: Instrukcja Obsługi i Montażu</p> <p>Szczegółowy przewodnik po termostacie pokojowym ELEKTROBOCK PT23. Dowiedz się o funkcjach, instalacji, programowaniu tygodniowym, trybach pracy i specyfikacjach technicznych.</p>
	<p>ELEKTROBOCK CZ CS3C-1B Timer Switch - Installation and Technical Guide</p> <p>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.</p>

