revolt ZX-2630

revolt Digital Plug Thermostat ZX-2630 Instruction Manual

Model: ZX-2630

1. Introduction

Thank you for choosing the revolt Digital Plug Thermostat ZX-2630. This device is designed to automatically control heating or cooling appliances by maintaining a desired temperature. Please read this manual carefully before use to ensure proper operation and to maximize the product's lifespan.

2. Safety Information

- Ensure the thermostat is connected to a properly grounded power outlet.
- Do not exceed the maximum load capacity of 3680 W (16 A).
- Do not immerse the device or its sensor in water or other liquids.
- Keep out of reach of children. The child lock function can be activated for added safety.
- Do not open the device casing. Repairs should only be performed by qualified personnel.
- Avoid placing the sensor in direct sunlight, near heat sources, or in drafts, as this can affect temperature readings.

3. Package Contents

- revolt Digital Plug Thermostat ZX-2630
- Temperature sensor with 3-meter cable
- User Manual

Image: The revolt Digital Plug Thermostat with its temperature sensor, shown coiled.

4. Product Overview

The revolt Digital Plug Thermostat ZX-2630 features a large LCD display and intuitive buttons for easy temperature control and programming.

Image: Front view of the thermostat, highlighting the display, control buttons, and integrated power socket.

4.1. Components

- **LCD Display:** Shows current room temperature, set temperature, time, day of the week, and operating modes.
- **Power Button:** Turns the device on/off.
- **Set Button:** Enters programming mode.
- **OK Button:** Confirms selections.
- **Up/Down Buttons:** Adjust values and navigate menus.

- **Integrated Power Socket:** For connecting heating or cooling appliances.
- **Temperature Sensor:** External probe with a 3-meter cable for accurate temperature measurement.


MON
ROOM
CLOCK
16 20
26.5
°C
SET
15
°C
COOL
AUTO
Set
OK
revolt™
16A
250V

Image: Side and back views of the thermostat, showing the plug and ventilation slots.

5. Setup

1. **Insert Battery:** The device has an integrated button cell battery for backup memory. Ensure it is functional.
2. **Connect Sensor:** Plug the temperature sensor cable into the designated port on the thermostat.
3. **Position Sensor:** Place the temperature sensor in the area where you want to measure the temperature. The 3-meter cable allows for flexible positioning, away from the thermostat itself, for more accurate readings. Avoid direct sunlight, drafts, or proximity to heat sources.
4. **Plug In Thermostat:** Insert the thermostat into a standard 230V wall outlet.
5. **Connect Appliance:** Plug your heating or cooling appliance (e.g., heater, air conditioner) into the power socket on the front of the thermostat.

Image: The thermostat plugged into a wall, with its sensor extended and connected to an air conditioning unit.

6. Operating Modes

The thermostat offers both automatic and manual operating modes, along with an anti-frost function.

6.1. Automatic Mode

In automatic mode, the thermostat follows your programmed weekly schedule to switch the connected appliance on or off, maintaining the desired temperature at specific times.

6.2. Manual Mode

Manual mode allows you to set a constant target temperature that the thermostat will maintain until you switch back to automatic mode or change the setting. This is useful for temporary adjustments.

6.3. Anti-Frost Function

The anti-frost function is a safety feature. If the ambient temperature measured by the sensor drops below 2 °C, the thermostat will automatically activate the connected heating appliance, regardless of the current operating mode or programmed settings, to prevent freezing.

7. Programming

The thermostat allows for individual weekly programming to optimize energy consumption and comfort.

7.1. Setting Time and Day

1. Press the **Set** button repeatedly until the time or day setting flashes.
2. Use the **Up** and **Down** buttons to adjust the value.
3. Press **OK** to confirm and move to the next setting.

7.2. Weekly Program

You can set up to 6 switching times for Monday to Friday and 2 switching times for Saturday and Sunday. Each switching time includes a target temperature.

1. Press the **Set** button until the programming mode for the weekly schedule is displayed.
2. Use the **Up** and **Down** buttons to select the day group (Mon-Fri or Sat-Sun) and the specific switching period (e.g., P1, P2).
3. Press **OK** to enter the time setting for that period. Adjust with **Up**/**Down**, confirm with **OK**.
4. Next, set the target temperature for that period. Adjust with **Up**/**Down**, confirm with **OK**.
5. Repeat for all desired switching periods.
6. Exit programming mode by pressing **Set** until the normal display appears, or wait for automatic exit.

7.3. Timer Function

The timer function allows for two adjustable times to switch devices on and off, independent of the weekly program.

1. Access the timer settings via the **Set** button.
2. Set the desired ON time and OFF time using the **Up**/**Down** and **OK** buttons.
3. Activate the timer function as needed.

8. Advanced Settings

The thermostat includes advanced settings for fine-tuning its operation, such as hysteresis and temperature calibration.

8.1. Hysteresis (Temperature Difference)

The hysteresis setting (often labeled as A2 in advanced menus) determines the temperature difference around the set point before the appliance switches on or off. For example, if set to 1°C, and the target is 22°C in heating mode, the heater will turn on at 21°C and off at 23°C. The default setting is often 2°C (meaning a 4°C swing), but it can typically be reduced to 1°C (for a 2°C swing) for more precise control.

8.2. Temperature Calibration

If you suspect the temperature sensor is inaccurate, you can calibrate it (often labeled as A5). Compare the thermostat's reading with a known accurate thermometer placed next to the sensor. Adjust the calibration value to match the accurate reading. Be cautious when changing this setting, as incorrect calibration will lead to inaccurate temperature control.

8.3. Heating/Cooling Mode Selection

The device can operate in either heating or cooling mode (often labeled as A8). Ensure the correct mode is selected based on whether you are controlling a heater or an air conditioner. In heating mode, the appliance turns on when the temperature drops below the set point. In cooling mode, it turns on when the temperature rises above the set point.

9. Maintenance

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Sensor Care:** Keep the temperature sensor clean and free from dust or debris to ensure accurate readings.
- **Battery Replacement:** The integrated button cell battery provides backup for settings. If settings are lost during a power outage, the battery may need replacement. Consult a qualified technician for battery replacement.

10. Troubleshooting

Problem	Possible Cause	Solution
Device does not turn on.	No power supply; device is switched off.	Check power outlet; press the Power button.
Appliance not switching on/off.	Incorrect mode selected; programming error; appliance fault.	Verify operating mode (Auto/Manual); check programmed times and temperatures; test appliance directly.
Inaccurate temperature reading.	Sensor improperly placed; sensor dirty/damaged; calibration needed.	Relocate sensor away from drafts/heat; clean sensor; perform temperature calibration (refer to Advanced Settings).
Settings are lost after power outage.	Backup battery depleted or faulty.	Replace the internal button cell battery (professional service recommended).
Child lock activated unexpectedly.	Accidental activation.	Refer to the manual for specific key combination to deactivate child lock.

11. Specifications

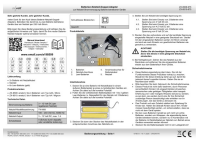
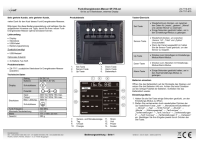
- **Model:** ZX-2630
- **Power Source:** 230V AC, 50/60Hz
- **Maximum Load:** 3680 W / 16 A
- **Temperature Setting Range:** 1 °C to 70 °C (in 0.5 °C increments)
- **Temperature Sensor Cable Length:** 3 meters
- **Temperature Accuracy:** +/- 1 °C
- **Display:** Multi-line XXL LCD (5 cm / 2" diagonal)
- **Programming:** Individually adjustable weekly program (6 periods Mon-Fri, 2 periods Sat-Sun)
- **Special Features:** Automatic programming, Anti-frost function, Child lock, Timer function

- **Backup Memory:** Integrated button cell battery
- **Dimensions (without plug):** Approximately 62 x 135 x 34 mm
- **Item Weight:** Approximately 265 g
- **Material:** Thermostat plug with probe

12. Warranty and Support

This revolt product is covered by a standard manufacturer's warranty. For detailed warranty terms, technical support, or service inquiries, please refer to the documentation provided with your purchase or contact your retailer. Keep your proof of purchase for warranty claims.

Related Documents - ZX-2630

	Bedienungsanleitung: revolt WLAN-Fußbodenheizungs-Thermostat ZX-7480-675 / ZX-7481-675 Umfassende Bedienungsanleitung für den revolt WLAN-Fußbodenheizungs-Thermostat (Modelle ZX-7480-675, ZX-7481-675). Erfahren Sie mehr über Installation, manuelle Bedienung, App-Steuerung, Sprachsteuerung und technische Details.
	revolt ZX-5821 Smart Radiator Thermostat User Manual User manual for the revolt ZX-5821 smart radiator thermostat, detailing installation, app connection, operation modes, and technical specifications for efficient home heating control.
	Revolt Batterie-Netzteil-Adapter für batteriebetriebene Geräte – Bedienungsanleitung Bedienungsanleitung und technische Daten für den Revolt Batterie-Netzteil-Adapter ZX-8509 und ZX-8510, der batteriebetriebene Geräte mit Netzstrom versorgt. Enthält Anleitungen zur Einrichtung, Sicherheit und Entsorgung.
	Bedienungsanleitung: revolt Funk-Energiekosten-Messer SF-700.ext für bis zu 6 Steckdosen Umfassende Anleitung für den revolt Funk-Energiekosten-Messer SF-700.ext. Erfahren Sie, wie Sie das Gerät installieren, konfigurieren und nutzen, um Ihren Energieverbrauch zu überwachen und Kosten zu sparen. Enthält technische Daten, Sicherheitshinweise und Bedienungsanleitungen.

	revolt 3-phasiges Typ-2-Ladekabel Bedienungsanleitung Umfassende Bedienungsanleitung für das revolt 3-phasige Typ-2-Ladekabel (Modus 3, 16/32 A, 11/22 kW, 5 m). Enthält Sicherheitshinweise, Produktinformationen, Verwendung, Reinigung und technische Daten.
	revolt Magnetische Gaming-Powerbank PB-810.ips – 10000mAh Qi/MagSafe USB-C PD Ladegerät & Konsole Bedienungsanleitung für die revolt Magnetische Gaming-Powerbank PB-810.ips. Erfahren Sie mehr über technische Daten, Funktionen, Laden, Gaming und Sicherheitshinweise für dieses 10000mAh Qi/MagSafe USB-C PD Ladegerät.