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EMOS ZN1110

EMOS LED Emergency Light - User Manual

Model: ZN1110

Product Overview

The EMOS LED Emergency Light (Model ZN1110) is designed to provide reliable emergency exit illumination. This permanent light with pictograms ensures sufficient visibility and safety during power outages or other emergencies. It operates continuously and features a battery backup for up to three hours of illumination in case of power failure.
Key features include:

- **Light Output:** 150 lumens, cool white light (6500 Kelvin).
- **Power:** 3.0 W.
- **Battery Backup:** Integrated 1500 mAh LiFePo4 battery provides up to 3 hours of emergency operation.
- **Durability:** IP65 protection class, suitable for dry or humid indoor areas (0°C to +40°C), IK08 mechanical protection.
- **Customizable Pictograms:** Includes adhesive stickers for various exit directions (down, up, left, right) and a fleeing person symbol.
- **Test Function:** Manual test button to check current battery level in emergency mode.

Image: The EMOS LED Emergency Light unit shown with the various pictogram stickers that can be applied to indicate exit direction.

Setup and Installation

Before installation, ensure the power supply is disconnected. This emergency light is designed for wall mounting.

1. Unpacking and Initial Inspection

- Carefully remove the emergency light and all components from the packaging.
- Verify that all included components are present: 1 emergency light unit and adhesive pictogram stickers.
- Inspect the unit for any visible damage.

2. Battery Connection

The integrated LiFePo4 battery is typically delivered disconnected for safety during transport. Locate the battery compartment and connect the battery cable to the appropriate connector inside the unit. Ensure a secure connection.

3. Mounting the Unit

- Choose a suitable location for wall mounting, ensuring clear visibility of the exit sign.
- Mark the drilling points on the wall using the unit as a template.
- Drill holes and insert appropriate wall plugs (not included, depending on wall material).
- Secure the emergency light unit to the wall using screws.

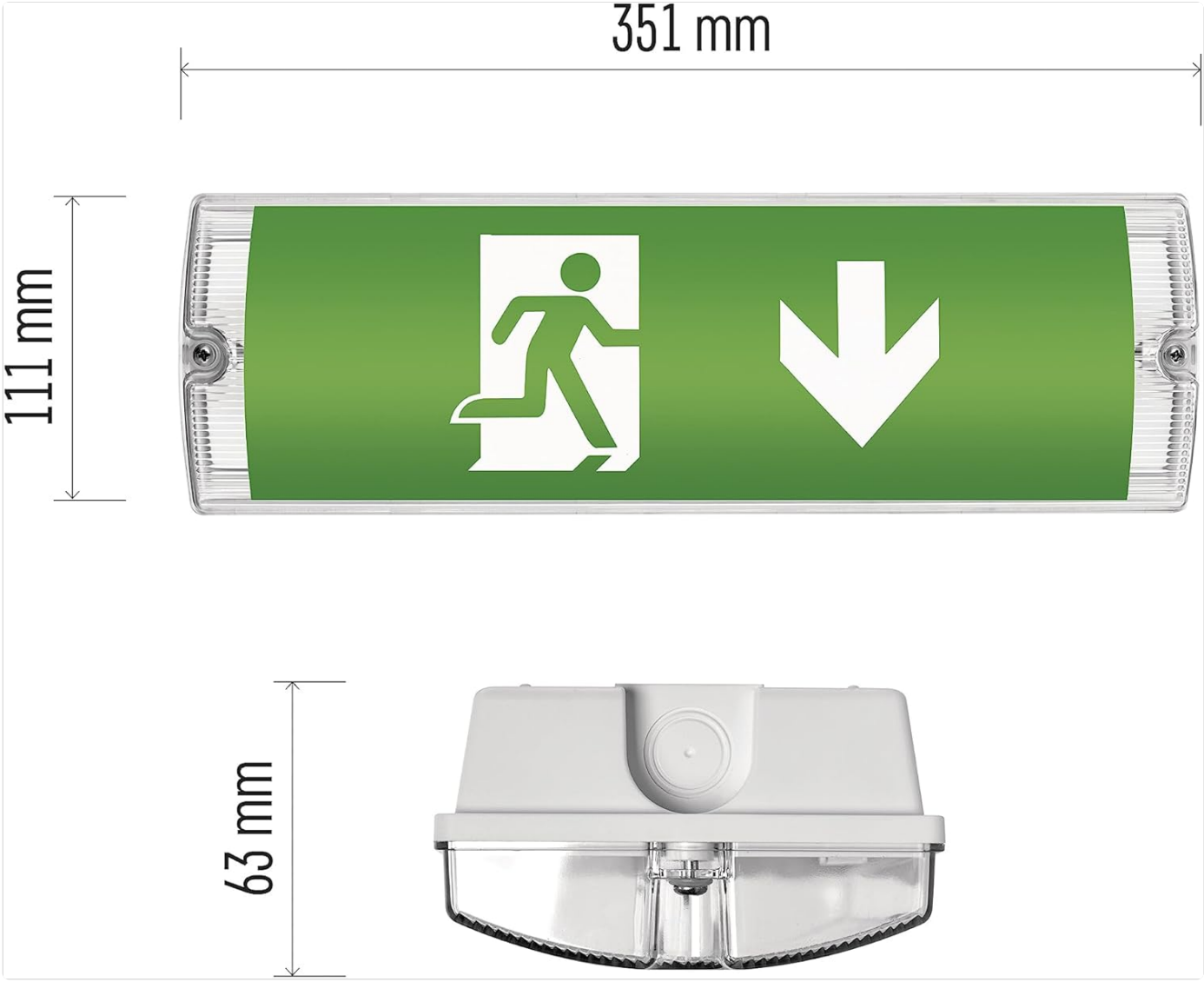

Image: Technical drawing showing the dimensions of the EMOS LED Emergency Light: 351 mm length, 111 mm height, and 63 mm depth.

4. Electrical Wiring (220-240 V)

Connect the main power supply (220-240 V) to the designated terminals within the unit. This should be performed by a qualified electrician.
The unit supports two operating modes based on wiring:

- **Continuous Operation (Maintained Mode):** If the bridge between terminals L and Ls is left as supplied, the light will illuminate continuously when power is present. In case of a power outage, the battery will provide illumination for approximately 3 hours.
- **Emergency-Only Operation (Non-Maintained Mode):** To operate only during power outages, remove the bridge between terminals L and Ls. Connect the phase (L) and neutral (N) wires as indicated. In this configuration, the battery will charge, and the emergency light will only illuminate for approximately 3 hours when the main power supply fails.

5. Applying Pictogram Stickers

The included adhesive stickers can be easily removed from their film and applied to the diffuser. Select the appropriate arrow direction (down, up, left, or right) and the fleeing person symbol (right or left) as required for your specific exit route. Two green stickers without symbols are provided to fill any unused diffuser surface.

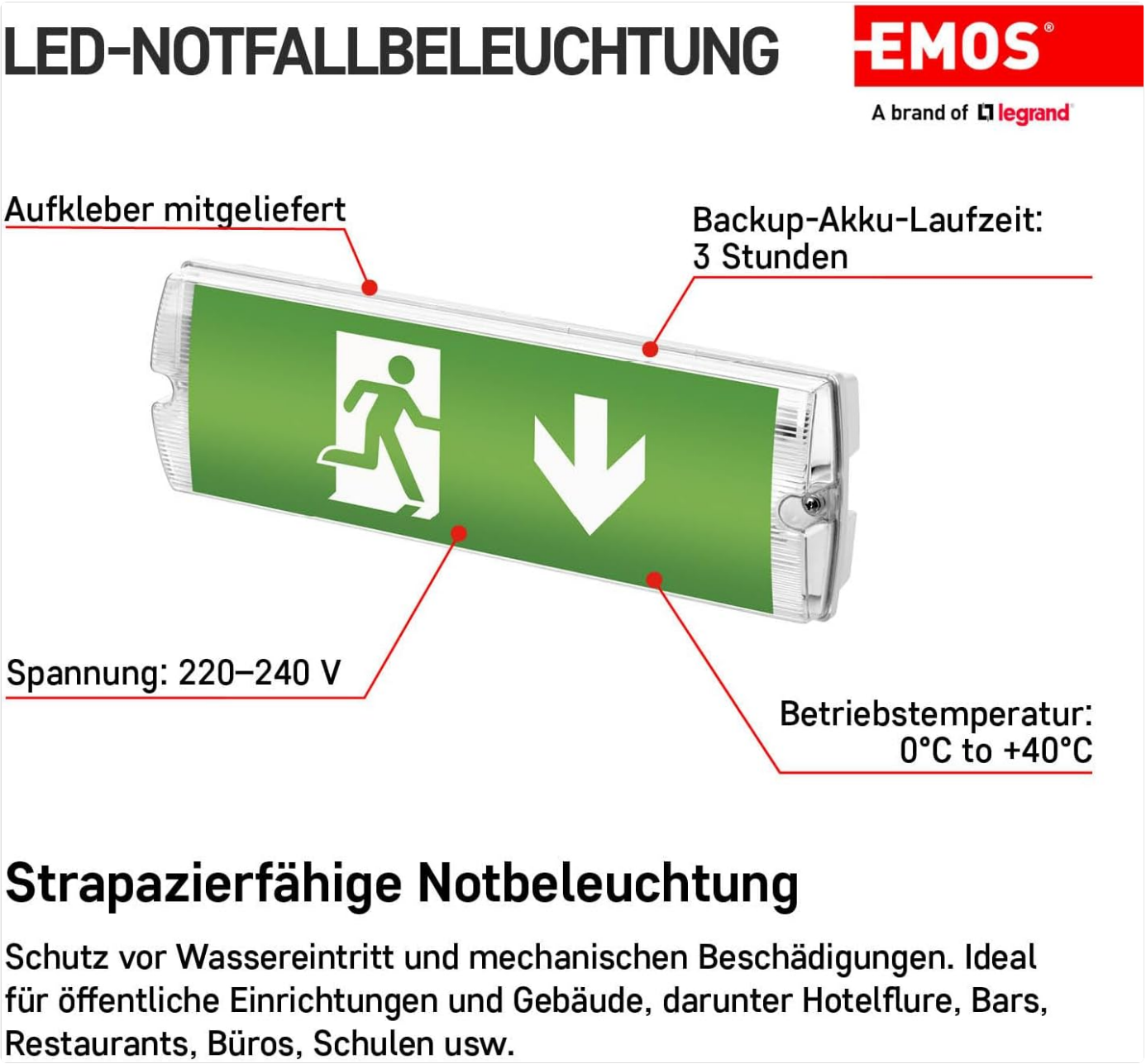

Image: The EMOS LED Emergency Light highlighting key technical specifications such as 220-240V voltage, 3-hour backup battery runtime, and an operating temperature range of 0°C to +40°C.

Operating Instructions

Normal Operation

Once properly installed and wired, the EMOS LED Emergency Light will operate according to the chosen mode:

- **Continuous Operation:** The light will remain illuminated as long as main power is supplied. The battery will charge during this time.
- **Emergency-Only Operation:** The light will remain off during normal power supply. The battery will charge.

Emergency Mode

In the event of a power failure, the integrated battery will automatically activate, providing illumination for up to 3 hours. This ensures the exit route remains visible.

Test Button Function

A manual test button is provided on the unit. Pressing this button will simulate a power outage and activate the

emergency mode, allowing you to check the current battery level and functionality of the emergency light. Release the button to return to normal operation.

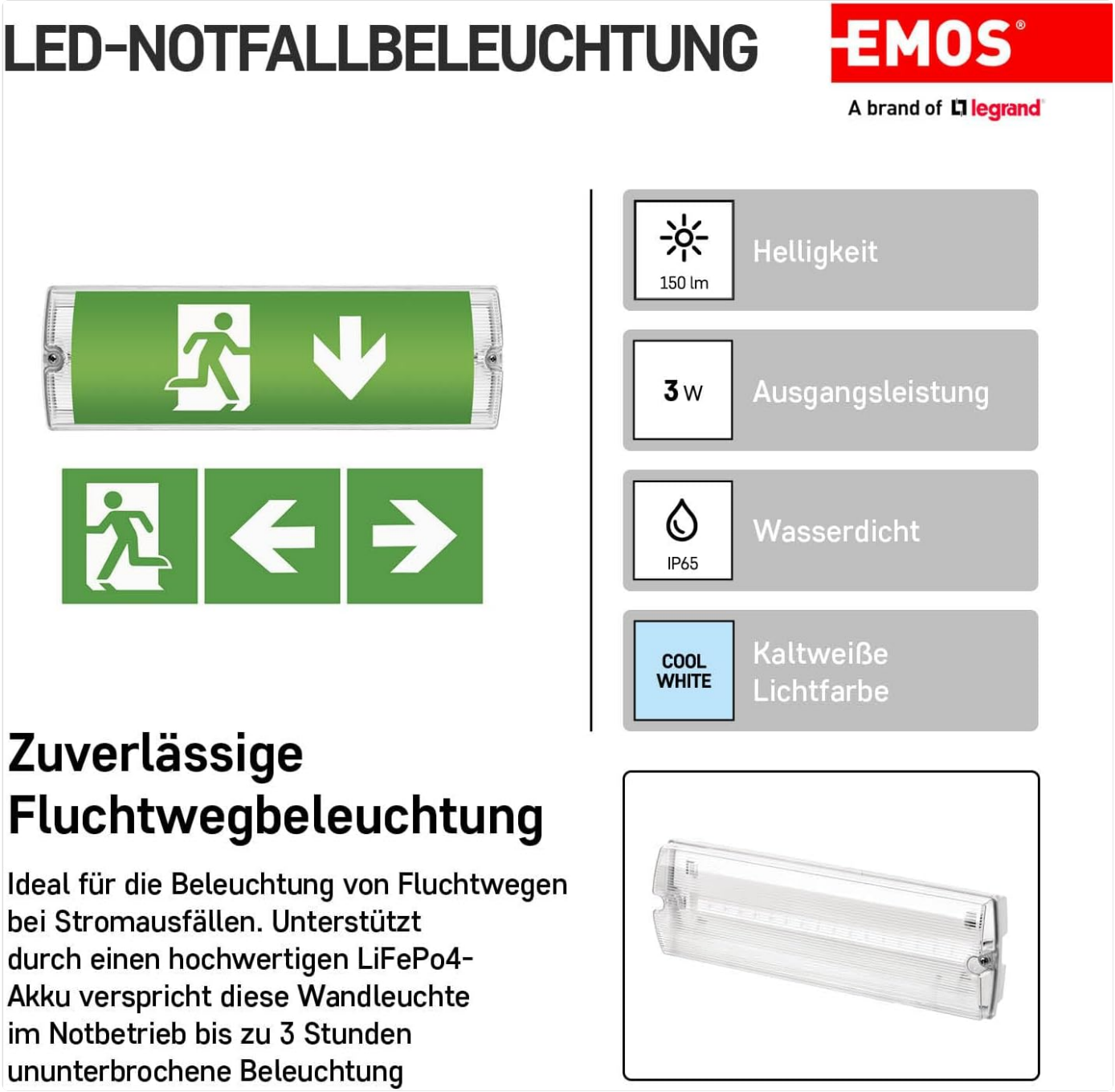

Image: Overview of the EMOS LED Emergency Light's features, including 150 lumens brightness, 3W output power, IP65 waterproof rating, and cool white light color.

Maintenance

Cleaning

To clean the emergency light, gently wipe the surface with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the unit or the diffuser.

Battery Care

The integrated LiFePo4 battery is designed for long-term use. Regular testing using the test button helps ensure its readiness. The battery comes with a 2-year warranty period.

Recycling

At the end of its lifespan, the product and its battery should be disposed of according to local regulations for electronic waste and batteries. Do not dispose of with general household waste.

Troubleshooting

If you encounter issues with your EMOS LED Emergency Light, please refer to the following common problems and solutions:

- **Light does not illuminate (Continuous Mode) or does not charge:**
  - Check the main power supply to ensure it is active.
  - Verify that the battery cable is securely connected inside the unit.
  - Ensure wiring connections (L, N, Ls) are correct according to the desired operating mode.
- **Light does not illuminate during power outage (Emergency Mode):**
  - Ensure the battery was connected during installation.
  - The battery may not be sufficiently charged. Allow the unit to charge for at least 24 hours after initial installation or a prolonged power outage.
  - The battery may have reached the end of its lifespan. Consider battery replacement if it's beyond the 2-year warranty or shows significant degradation.
- **Light duration in emergency mode is less than 3 hours:**
  - The battery may not be fully charged. Ensure continuous power supply for adequate charging.
  - Battery degradation over time is normal. If significantly reduced, consider battery replacement.
- **Pictogram stickers do not adhere well:**
  - Ensure the diffuser surface is clean and dry before applying stickers.

If the problem persists after attempting these solutions, please contact EMOS customer support.

Specifications

Feature	Detail
Brand	EMOS
Model Number	ZN1110
Dimensions (L x W x H)	35.1 x 6.3 x 11.1 cm
Weight	593 g
Light Type	LED
Brightness	150 lumens
Color Temperature	Cool White (6500 Kelvin)
Power	3.0 W

Feature	Detail
Battery	1 Lithium-ion (1500 mAh LiFePo4) - included
Emergency Lighting Duration	Up to 3 hours
Protection Class	IP65 (Water-resistant)
Mechanical Protection	IK08
Operating Temperature	0°C to +40°C
Material	Metal Aluminum
Mounting Type	Wall Mount
Recommended Use	Emergency, exit, direction, warning

Warranty and Support

The integrated LiFePo4 battery is covered by a 2-year warranty period from the date of purchase.
For further assistance, technical support, or warranty claims, please contact EMOS customer service through your point of purchase or the official EMOS website.

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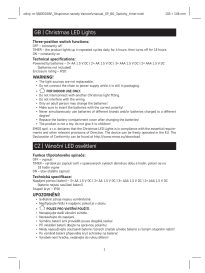
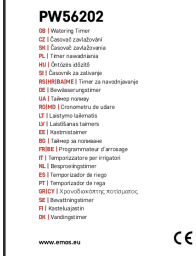
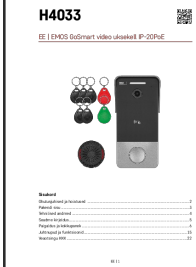
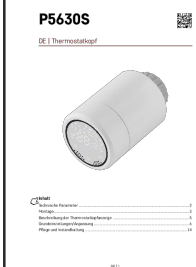
Related Documents - ZN1110

	P56400S Carbon Monoxide Detector User Manual | EMOS Comprehensive user manual for the EMOS P56400S Carbon Monoxide (CO) Detector. Learn about safety instructions, technical specifications, installation, operation, mobile app integration with EMOS GoSmart, and troubleshooting.
	EMOS Christmas LED Lights: User Manual and Safety Information Comprehensive guide for EMOS Christmas LED Lights, detailing switch functions, technical specifications, safety warnings, and compliance information. Suitable for indoor use.

	[EMOS PW56202 Watering Timer User Manual and Guide] Comprehensive user manual for the EMOS PW56202 Watering Timer. Learn about setup, app control via EMOS GoSmart, features, and troubleshooting for efficient garden irrigation.
	[EMOS H4033 GoSmart IP-20PoE Video Uksekell Kasutusjuhend] Lugege EMOS H4033 GoSmart IP-20PoE video uksekella kasutusjuhendit, et saada teavet paigaldamise, funktsioonide, ohutuse ja tõrkeotsingu kohta.
	[EMOS GoSmart video zvono za vrata IP-20PoE - Upute za uporabu i specifikacije] Ovaj dokument pruža detaljne upute za uporabu, sigurnosne smjernice, tehničke specifikacije i postupke instalacije za EMOS GoSmart video zvono za vrata IP-20PoE.
	[EMOS P5630S Smart Thermostatkopf Bedienungsanleitung] Die offizielle Bedienungsanleitung für den EMOS P5630S Smart Thermostatkopf. Erfahren Sie mehr über Installation, Einrichtung, Funktionen und Wartung dieses intelligenten Heizkörperthermostats.