

EMKE THE212B

EMKE Electric Bathroom Radiator Heating Cartridge User Manual

Model: THE212B (1200W, Black)

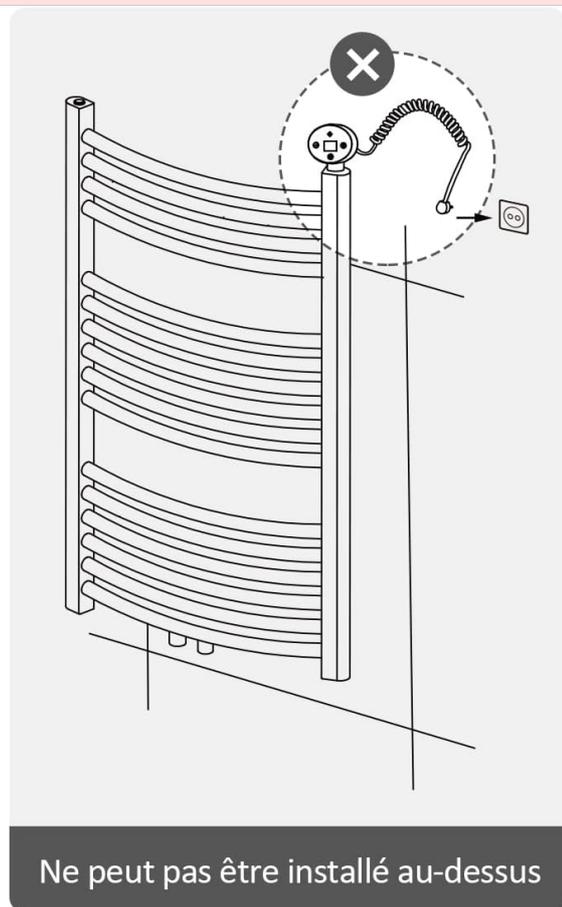
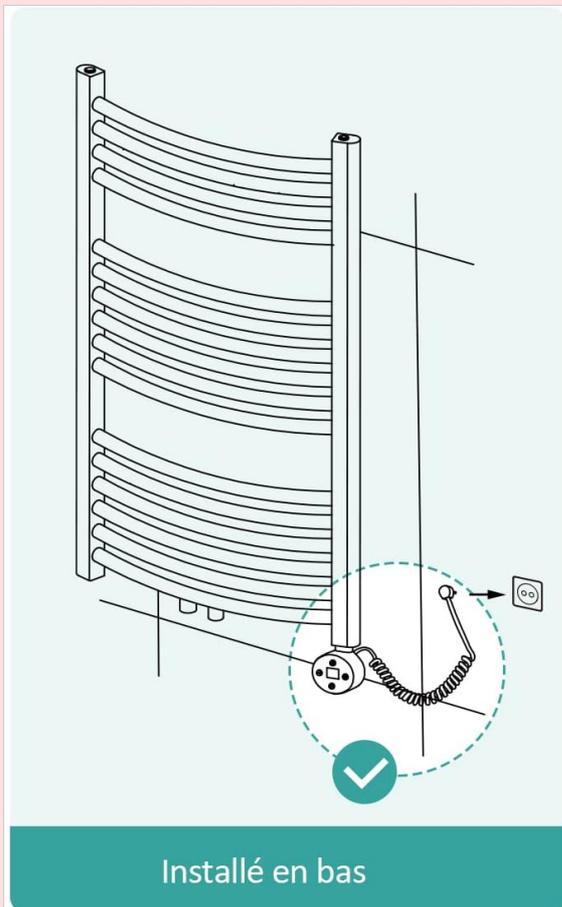
1. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before installation and operation. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- Ensure the power supply matches the voltage requirements of the heating element (220-240V/50Hz).
- Installation must be performed by a qualified electrician in accordance with local electrical codes.
- Do not operate the heating element if the cord or plug is damaged.
- Keep the heating element away from flammable materials.
- Do not immerse the control unit in water or expose it to excessive moisture.
- Always disconnect power before performing any maintenance or cleaning.

Important Installation Warning:

For safety reasons, the heating element must only be installed at the bottom of the bathroom radiator.



Avis:

Pour des raisons de sécurité, l'élément chauffant ne doit être installé que sous le radiateur de la salle de bain !

This image illustrates the correct installation of the heating element at the bottom of the radiator (left) and an incorrect installation at the top (right). Always install at the bottom for safety.

2. PRODUCT OVERVIEW

The EMKE Electric Bathroom Radiator Heating Cartridge is designed to provide efficient and precise heating for your towel rail or bathroom radiator. Manufactured from high-quality ABS and 304 stainless steel, it offers durability, rust resistance, and a long lifespan. The integrated electronic thermostat allows for accurate temperature control and includes a convenient timing function.

Package Contents:

- 1x EMKE Electric Bathroom Radiator Heating Cartridge (1200W, Black)

Key Features:

- **Precise Temperature Control:** Electronic thermostat allows adjustment from 30-70°C in 5°C increments.
- **Timing Function:** Set heating duration for 2 or 4 hours.
- **Durable Construction:** Heating rod made of 304 stainless steel, control unit with waterproof membrane buttons.
- **Flexible Cord:** Extendable coiled cord from 70 cm to 140 cm for convenient placement.



This image displays the complete EMKE Electric Bathroom Radiator Heating Cartridge, highlighting its main components: the heating rod, the circular control unit with buttons, the coiled power cord, and the electrical plug.

3. SPECIFICATIONS

Feature	Specification
Model Number	THE212B
Power	1200 W
Voltage	220-240 V / 50 Hz
Protection Class	IP44, Class I
Heating Rod Length	820 mm
Heating Rod Diameter	Φ12 mm
Cable Length	700-1400 mm (extensible)
Connection Thread	G1/2"
Maximum Operating Pressure	10 bar
Temperature Adjustment Range	30-70°C (in 5°C increments)
Timing Function	2-4 hours (in 2-hour increments)
Material	304 Stainless Steel (rod), ABS (controller)
Color	Black



This image illustrates the physical dimensions of various EMKE heating elements. For the 1200W model, the heating rod length is 820mm with a diameter of 12mm.

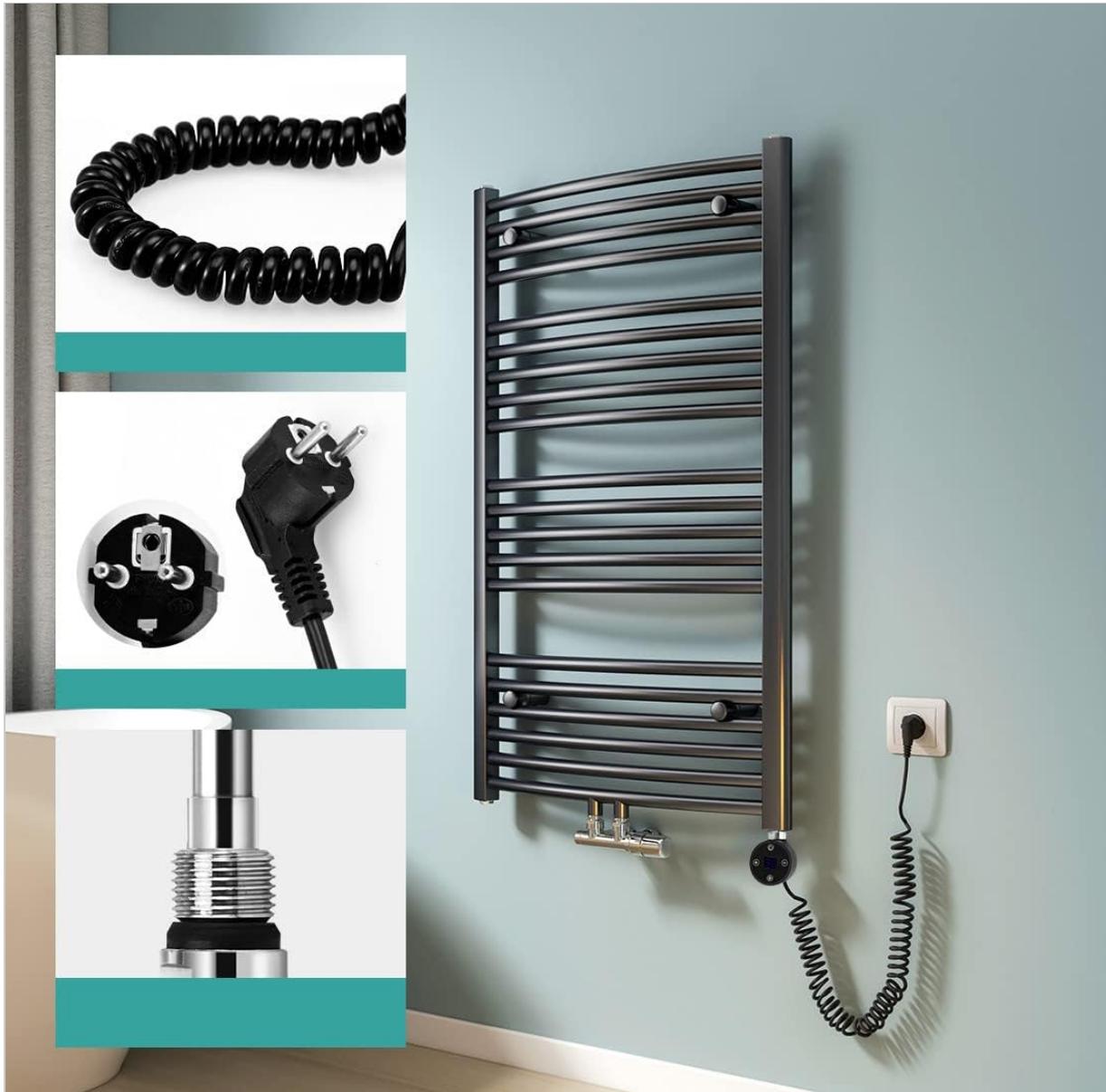
4. INSTALLATION GUIDE

This heating element is designed for installation into a bathroom radiator or towel warmer. Ensure the radiator is compatible with a G1/2" connection thread.

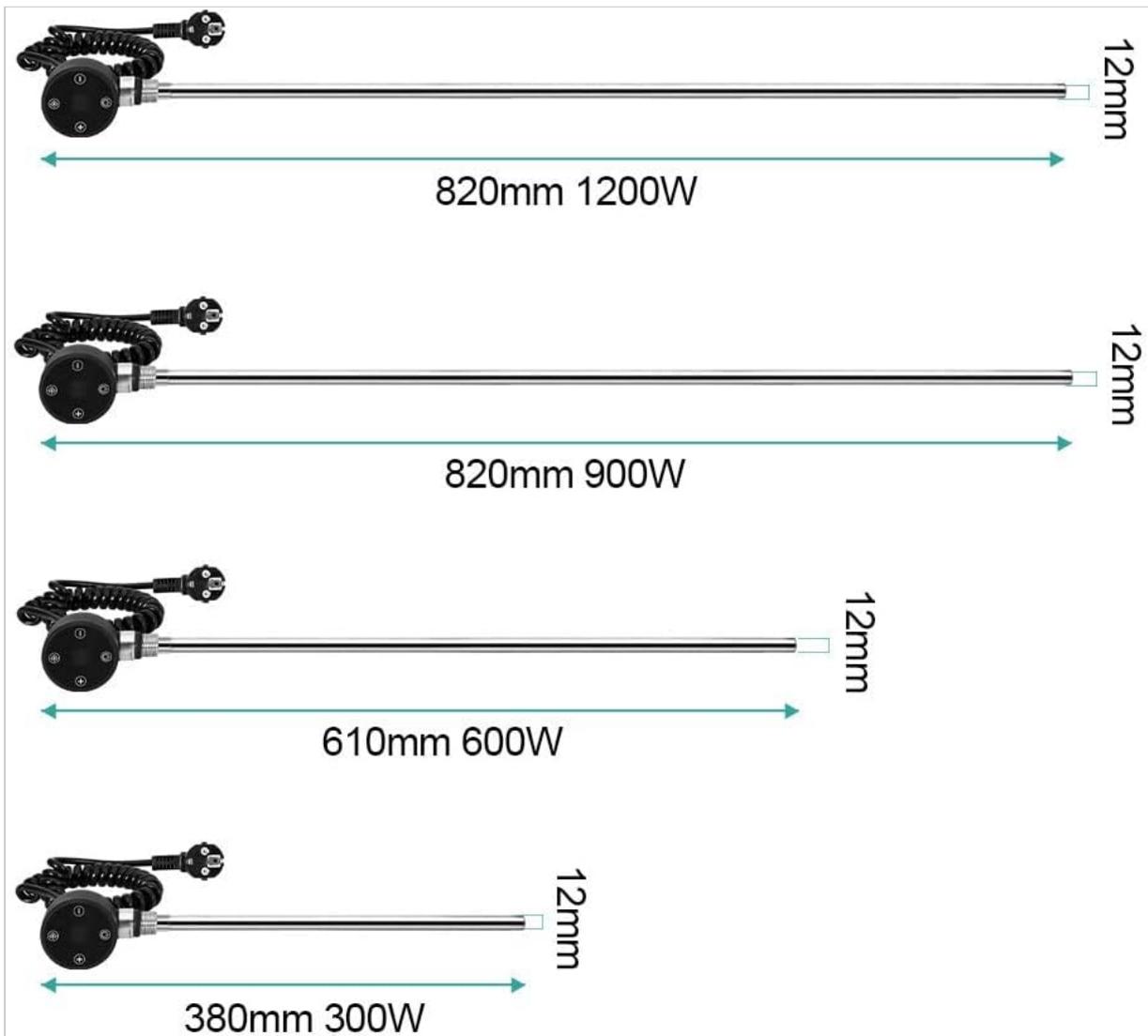
Installation Steps:

1. **Prepare the Radiator:** Ensure the radiator is drained and cool. Locate the G1/2" connection port at the bottom of the radiator.
2. **Insert the Heating Element:** Carefully screw the heating element into the G1/2" port at the bottom of the radiator. Ensure it is securely tightened to prevent leaks.

3. **Seal the Connection:** Use appropriate sealing materials (e.g., PTFE tape) on the threads to ensure a watertight seal.
4. **Fill the Radiator:** Refill the radiator with water or the recommended heating fluid, ensuring no air pockets remain.
5. **Connect to Power:** Plug the coiled power cord into a suitable 220-240V/50Hz electrical outlet. Ensure the outlet is properly grounded and protected by a residual current device (RCD).
6. **Verify Installation:** Double-check all connections for leaks and ensure the heating element is firmly in place.



This image shows the EMKE heating element correctly installed at the bottom of a black towel warmer, with its coiled power cord connected to a wall socket.



A detailed view of the flexible, coiled power cord and the European-style electrical plug of the EMKE heating element.

5. OPERATION

The EMKE heating cartridge features an intuitive control panel for temperature and timing adjustments.



Protection intelligente

La partie proche de l'alimentation est plus froide que les autres, c'est le système de protection de la canne chauffante qui protège la partie plastique.

This image provides a close-up of the control panel, displaying the power button, temperature adjustment buttons (+/-), and the timer button. The display currently shows '2H', indicating a 2-hour timer setting.

Control Panel Functions:

- **Power Button ():** Press to turn the heating element ON or OFF.
- **Temperature Adjustment Buttons (– / +):** Use these buttons to set the desired temperature. The temperature can be adjusted from 30°C to 70°C in 5°C increments. The current temperature setting will be displayed.
- **Timing Button ():** Press this button to activate the timing function. You can select a heating duration of 2 hours or 4 hours. The selected duration (e.g., "2H" or "4H") will be displayed. The heating element will operate for the set time and then automatically turn off.

Operating Instructions:

1. **Turn On:** Press the Power button () to activate the heating element.
2. **Set Temperature:** Use the + or – buttons to select your desired temperature between 30°C and 70°C.
3. **Set Timer (Optional):** If you wish to use the timer, press the Timing button () to cycle between 2 hours, 4 hours, or continuous operation.
4. **Turn Off:** Press the Power button () again to turn off the heating element.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your heating element.

- **Cleaning:** Before cleaning, always unplug the heating element from the power outlet. Wipe the control unit and heating rod with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals.
- **Inspection:** Periodically inspect the power cord and plug for any signs of damage. Check the connection to the radiator for any leaks. If any damage is found, discontinue use and contact customer support.
- **Storage:** If storing the heating element for an extended period, ensure it is clean, dry, and stored in a safe place away from extreme temperatures and moisture.

7. TROUBLESHOOTING

If you encounter any issues with your EMKE heating cartridge, refer to the following common troubleshooting steps:

- **No Power:**
 - Ensure the power plug is fully inserted into a working electrical outlet.
 - Check your household circuit breaker or fuse box.
 - Verify that the power button on the control unit has been pressed.
- **Not Heating:**
 - Confirm the desired temperature is set above the current room temperature.
 - Check if the timer function is active and has not expired.
 - Ensure the radiator is properly filled with fluid.
- **Leakage:**
 - Immediately turn off and unplug the heating element.
 - Check the G1/2" connection thread for proper sealing and tightness. Re-tighten if necessary, ensuring not to overtighten.
 - If leakage persists, contact customer support.

For issues not covered here, please contact EMKE customer support.

8. WARRANTY AND SUPPORT

EMKE products are manufactured to high-quality standards and come with a standard warranty against manufacturing defects. Please refer to your purchase documentation for specific warranty terms and duration.

Customer Support:

If you have any questions, require technical assistance, or need to claim warranty service, please contact EMKE customer support through the retailer where you purchased the product or visit the official EMKE website for contact information.

- **Website:** www.emke.de (Example, please refer to actual EMKE website for support)
- **Email:** support@emke.com (Example, please refer to actual EMKE support email)

