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LuxeBath Luxe-587

LuxeBath ML-Design 1200W Heating Element with Digital Thermostat

Model: Luxe-587

Brand: LuxeBath

1. Introduction

Thank you for choosing the LuxeBath ML-Design 1200W Heating Element. This device is designed to provide efficient and controlled heating for your bathroom radiator, offering comfort and convenience. Please read this manual carefully before installation and operation to ensure safe and correct use of the product. Keep this manual for future reference.

2. Important Safety Instructions

- **Professional Installation:** The heating element and the radiator unit must be installed by qualified plumbers and electricians.
- **Power Disconnection:** Before commencing any installation or maintenance, ensure the main electrical supply is completely disconnected.
- **Liquid Level:** When installing the immersion heater, ensure there is sufficient liquid (water/antifreeze) in the bathroom radiator.
- **Installation Position:** The immersion heater must always be installed at the bottom of the bathroom radiator.
- **Non-Heated Section:** For safety reasons, the part of the heating element located on the power supply side is not heated.
- **Overheat Protection:** The heating cartridge is equipped with a thermal fuse that cuts off power if the temperature limit is exceeded (85°C).
- **Water Protection:** The device has an IP X4 protection rating, ensuring safe use in bathroom environments.

3. Setup and Installation

This heating element is designed for use exclusively with bathroom radiators. It requires the radiator to be filled with a suitable heat transfer fluid.

1. **Prepare Radiator:** Ensure your bathroom radiator is properly installed and filled with the appropriate heat transfer liquid (water/antifreeze).
2. **Power Off:** Disconnect the main electrical supply to the installation area.
3. **Insert Heating Element:** Carefully screw the heating element into the designated 1/2" connection port at the bottom of the radiator. Ensure a tight, leak-free seal.
4. **Electrical Connection:** Connect the power cable to a suitable 230V / 50Hz electrical outlet. This connection should be performed by a qualified electrician.
5. **Verify Liquid Level:** Double-check that the radiator contains sufficient liquid after installation to prevent dry heating.



Image 1: Overview of the heating element and its connection. This diagram illustrates the main unit, the heating rod, and the power cable with the Schuko plug.



Image 2: The heating element shown installed at the bottom of a black bathroom towel radiator, connected to a wall outlet.

4. Operating Instructions

The heating element features a digital display and mechanical buttons for easy control of temperature and timer functions.



Image 3: Detailed view of the control panel, showing the digital display, On/Off switch, Timer On/Off switch, and selection buttons (up/down arrows).

- **Power On/Off:** Press the **On/Off switch** (power symbol) to turn the device on or off.
- **Temperature Adjustment:** Use the **selection buttons** (up/down arrows) to set your desired temperature between 40°C and 65°C. The digital display will show the current temperature setting.
- **Timer Function:**
  - Press the **Timer On/Off switch** (clock symbol) to activate the timer mode.
  - The timer can be set for 2, 4, 6, or 8 hours. Each press of the timer button cycles through these durations.
  - In timer mode, the heating element operates at maximum power, maintaining a temperature of 65°C. The temperature cannot be manually adjusted during timer operation.
  - The device will automatically switch off once the set timer duration has elapsed.
- **Heating Status:** The display includes an indicator for heating status (wavy lines symbol).

5. Features

The LuxeBath ML-Design Heating Element is equipped with several features for optimal performance and safety:



Image 4: Infographic highlighting key features: Frost protection, adjustable temperature (40-65°C), 85°C thermal fuse, IP X4 protection type, and Protection class I.

- **High-Quality Construction:** Made from stainless steel for the heating element and durable plastic for the housing, ensuring longevity.
- **Digital Control:** Easy-to-use digital display with mechanical buttons for precise temperature and timer settings.
- **Adjustable Temperature:** Allows setting the desired temperature between 40°C and 65°C (+/- 3°C) for personalized comfort and energy saving.
- **Timer Function:** Offers timed operation for 2, 4, 6, or 8 hours, providing convenience and energy efficiency.
- **Overheat Protection:** Integrated 85°C thermal fuse automatically cuts power in case of excessive temperature.
- **Frost Protection:** Includes a frost protection function to prevent damage in cold environments.

- **Safety Standards:** Tested and approved according to all safety standards, with IP X4 protection rating and Class I electrical protection.

6. Maintenance

To ensure the longevity and efficient operation of your heating element, follow these maintenance guidelines:

- **Cleaning:** Disconnect power before cleaning. Wipe the exterior of the control unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Liquid Level Check:** Periodically check the liquid level in your radiator to ensure it remains adequate for proper heat transfer and to prevent dry heating.
- **Professional Inspection:** It is recommended to have the heating system, including the element, inspected by a qualified professional periodically.
- **Avoid Obstruction:** Ensure that the heating element and radiator are not obstructed by towels or other items that could impede heat dissipation.

7. Troubleshooting

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

- **Device Not Turning On:**
  - Check if the power cable is securely plugged into a working electrical outlet.
  - Verify that the main power supply to the outlet is active.
  - Ensure the On/Off switch on the control unit is pressed.
- **No Heat Output:**
  - Confirm the device is powered on and the desired temperature is set above the ambient temperature.
  - Check the liquid level in the radiator. Insufficient liquid can prevent heating.
  - If the thermal fuse has tripped (due to overheating), the device will not heat. Allow it to cool down and check for obstructions or low liquid levels. If the problem persists, contact a qualified technician.
- **Inaccurate Temperature Display:**
  - Ensure the heating element is fully immersed in the radiator liquid.
  - If the display shows an error code or behaves erratically, try resetting the device by unplugging it for a few minutes and then plugging it back in.
- **Timer Function Not Working:**
  - Ensure the Timer On/Off switch is pressed and a duration is selected.
  - Remember that in timer mode, the temperature is fixed at 65°C and cannot be manually adjusted.

For issues not resolved by these steps, please contact customer support or a qualified electrician.

8. Technical Specifications

Specification	Detail
Model Number	Luxe-587

Heating Power	1200W
Voltage	230 V / 50 Hz
Temperature Range	40°C - 65°C (+/- 3°C)
Thermal Fuse	85°C
Total Length	865 mm
Heating Element Length	745 mm
Heating Element Diameter	Ø 12 mm
Control Unit Diameter	Ø 45 mm
Connection Cable Length	1.15 m
Connection Size	1/2"
Protection Rating	IP X4
Protection Class	I
Material (Heating Element)	Stainless Steel
Material (Housing)	Plastic
Color	Black
Product Dimensions (L x W x H)	86.5 x 4.5 x 4.5 cm
Item Weight	640 g



Image 5: Technical drawing showing the total length (865 mm), heating element length (745 mm), control unit diameter (Ø 45 mm), heating element diameter (12 mm), connection thread (G 1/2"), and cable length (1150 mm).

9. Warranty and Support

Information regarding specific warranty terms and customer support contacts is not provided in the product details. Please refer to your purchase documentation or contact the retailer for warranty claims and technical assistance.

For general inquiries or further assistance, please visit the LuxeBath official website or contact their customer service department.

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