

Kalia NDFL1825B-4I

Kalia Aspen 2000W Dry Inertia Electric Radiator

Model: NDFL1825B-4I

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Kalia Aspen Dry Inertia Electric Radiator. Please read these instructions carefully before installation and use, and retain them for future reference. This radiator is designed to provide comfortable and consistent heating for indoor spaces.

2. SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and injury.

- Read all instructions thoroughly before installing or operating the radiator.
- Do not cover the radiator. Covering the radiator can lead to overheating and fire hazards.
- Keep flammable materials such as furniture, curtains, and other combustible items at least 1 meter (3 feet) away from the front and sides of the radiator.
- Ensure the radiator is connected to a proper electrical supply (240V AC) and that the circuit is adequately protected.
- Do not operate the radiator with a damaged power cord or plug. If the cord is damaged, it must be replaced by the manufacturer, its service agent, or similarly qualified persons to avoid a hazard.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The radiator is equipped with an automatic overheat protection system. If it overheats, it will shut off automatically.
- Installation must be performed by a qualified professional if any wiring modifications are required.
- Do not insert any objects into the ventilation openings.

3. PRODUCT OVERVIEW

The Kalia Aspen Dry Inertia Electric Radiator features a cast iron heating core, designed for gentle, homogeneous heat distribution and excellent thermal inertia. It includes an electronic control with an LCD screen, offering multiple operating modes and programmable settings for optimal energy efficiency. Its curved panel design provides a modern aesthetic.



Figure 3.1: Kalia Aspen Radiator in a living space. This image shows the radiator's sleek design and how it integrates into a room environment.

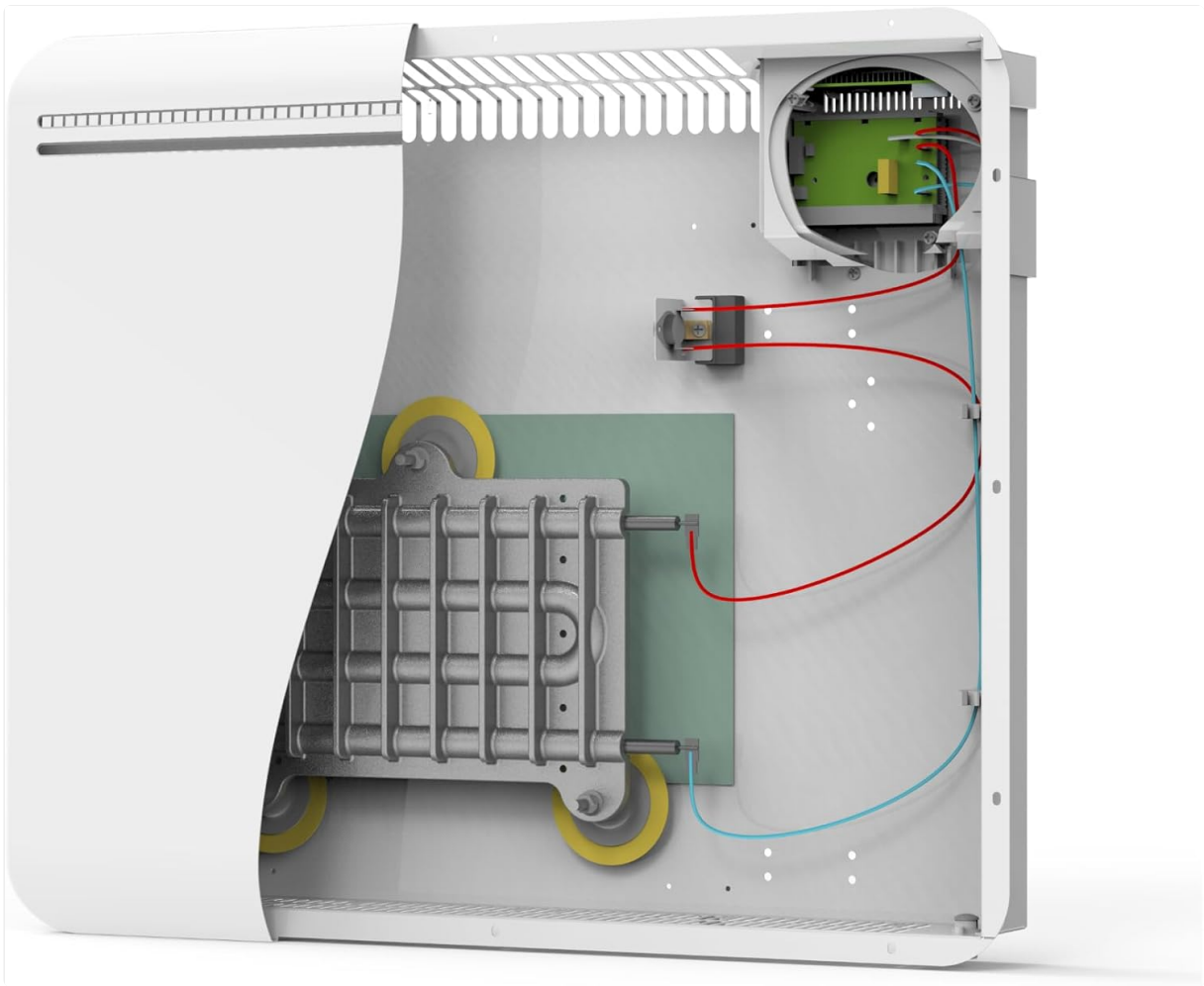


Figure 3.2: Internal components of the Kalia Aspen Radiator. This view highlights the cast iron heating block and the wiring for the electronic controls.

4. SETUP AND INSTALLATION

4.1 Unpacking

- Carefully unpack the radiator and all included accessories.
- Verify that all components are present: radiator unit, wall mounting kit (brackets, screws, wall plugs).
- Inspect the radiator for any signs of damage during transit. Do not install if damaged.

4.2 Wall Mounting

The Kalia Aspen radiator is designed for secure wall mounting. Ensure the wall material is suitable to support the radiator's weight (approximately 13 kg).

1. **Choose Location:** Select a suitable wall location, ensuring adequate clearance from furniture, curtains, and other obstructions. Maintain a minimum distance of 15 cm from the floor and 30 cm from the ceiling.
2. **Mark Drilling Points:** Use the provided mounting template (if included) or carefully measure and mark the drilling points for the wall brackets. Ensure the marks are level.
3. **Drill Holes:** Drill holes at the marked points using an appropriate drill bit for your wall type. Insert the wall plugs into the drilled holes.
4. **Attach Brackets:** Securely fasten the wall mounting brackets to the wall using the provided screws.
5. **Mount Radiator:** Carefully lift the radiator and hook it onto the wall brackets. Ensure it is securely seated and locked in place.
6. **Electrical Connection:** Connect the electrical wiring according to local electrical regulations. The radiator

supports a 6-order pilot wire system for advanced control if your installation supports it. Ensure the power supply is off before making any electrical connections.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview

The radiator features an electronic control panel with an LCD screen and several buttons for easy operation.



Figure 5.1: LCD Control Panel. This image shows the digital display and control buttons for setting modes and temperature.

5.2 Power On/Off

Press the **Power** button (usually marked with a power symbol) to turn the radiator on or off. The LCD screen will illuminate when the unit is powered on.

5.3 Mode Selection

The radiator offers 4 operating modes. Press the **Mode** button to cycle through them:

- **Comfort Mode:** Maintains a comfortable set temperature. Adjust the desired temperature using the **Up** and **Down** arrow buttons.
- **Normal Mode:** A standard heating mode, typically slightly lower than Comfort for general use.
- **Eco Mode:** An energy-saving mode, maintaining a lower temperature to reduce power consumption.
- **Frost Protection Mode:** Maintains a minimum temperature (e.g., 7°C) to prevent pipes from freezing when the room is unoccupied for extended periods.

5.4 Programming

The radiator includes 9 pre-installed programs and allows for daily and weekly programming to customize heating schedules.

1. Press the **Program** button to enter the programming menu.
2. Use the **Up** and **Down** arrows to select a pre-installed program or to set a custom schedule.

3. Follow the on-screen prompts to set desired temperatures for different time slots throughout the day and week.
4. Confirm your settings to save the program.

5.5 Open Window Detection

This feature automatically detects a sudden drop in room temperature, indicating an open window or door. The radiator will temporarily reduce its heating output to save energy. Heating will resume once the temperature stabilizes or the feature is manually overridden.

6. MAINTENANCE

The Kalia Aspen radiator requires minimal maintenance.

- **Cleaning:** Ensure the radiator is switched off and unplugged from the power supply before cleaning. Wipe the exterior surfaces with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **No Internal Maintenance:** The internal components of the radiator do not require user maintenance. Any internal servicing should only be performed by qualified personnel.
- **Dust Removal:** Periodically vacuum or wipe dust from the air vents to ensure efficient operation.

7. TROUBLESHOOTING

If you encounter issues with your radiator, refer to the table below for common problems and solutions.

Problem	Possible Cause	Solution
Radiator not heating	No power supply; Incorrect mode/temperature setting; Overheat protection activated.	Check if the radiator is plugged in and the power outlet is functional. Verify circuit breaker. Ensure the desired mode is selected and the temperature is set above the current room temperature. If overheat protection is active, unplug, allow to cool, and check for obstructions.
LCD display not working	No power supply; Internal fault.	Check power supply. If power is present and the display remains off, contact customer support.
Radiator makes unusual noises	Normal expansion/contraction; Loose components.	Minor clicking or creaking sounds are normal as the metal heats and cools. If noises are loud or persistent, ensure the radiator is securely mounted. If the issue persists, contact support.
Open window detection activates frequently	Actual open window/door; Strong draft near the sensor.	Close windows/doors. Relocate the radiator if it's in a particularly drafty area, or temporarily disable the feature if available in settings.

8. SPECIFICATIONS

Technical specifications for the Kalia Aspen 2000W Dry Inertia Electric Radiator.

Feature	Specification
Model Number	NDFL1825B-4I
Power Output	2000 Watts
Voltage	240 Volts (AC)
Heating Element Type	Dry Inertia (Cast Iron)
Heating Coverage	Up to 20 m ²
Dimensions (L x W x H)	99 cm x 9 cm x 50 cm
Weight	13 Kilograms
Special Features	Overheat Protection, LCD Digital Control, 4 Modes, 9 Pre-installed Programs, Daily/Weekly Programming, Open Window Detection, 6-Order Pilot Wire compatible.
Protection Class	Class II
IP Rating	IP20
Compliance	CE, NF, RoHS, ERP (2015/1188) Directive

9. WARRANTY AND SUPPORT

9.1 Warranty Information

This Kalia Aspen Dry Inertia Electric Radiator (Model NDFL1825B-4I) is covered by a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your retailer or Kalia customer service. Please have your model number (NDFL1825B-4I) and purchase date available when contacting support.

10. COMPLIANCE AND STANDARDS

This product complies with relevant European and national standards for safety and energy efficiency.

- **CE Mark:** Indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area.

- **NF Standard:** Signifies compliance with French national standards, ensuring quality and safety.
- **RoHS:** Compliant with the Restriction of Hazardous Substances Directive.
- **ERP (2015/1188) Directive:** Complies with the Ecodesign requirements for local space heaters, promoting energy efficiency.



Figure 10.1: NF Certification Logo. This logo indicates compliance with French national standards for quality and safety.