De'Longhi DRH-2415

De'Longhi Double Switch DRH-2415 for Oil-Filled Radiators User Manual

1. Introduction

This manual provides essential information for the De'Longhi DRH-2415 double light switch, designed as a replacement part for compatible De'Longhi oil-filled radiators. It covers product identification, compatibility, general installation guidelines, operation, and technical specifications. Please read this manual thoroughly before attempting any installation or use.

2. Product Overview

The DRH-2415 is a double light switch, specifically a DEFOND 16(6)A 250V~ model, featuring 6 contacts. It is used in various De'Longhi oil-filled electric radiators.



Figure 1: De'Longhi DRH-2415 Double Light Switch. This image shows the red-colored double rocker switch with its six metal contacts visible at the back, designed for integration into an appliance panel.

3. Compatibility

This double switch is an original replacement part for specific De'Longhi oil-filled radiators. To ensure compatibility, always verify the product data on your appliance's information plate, typically located on the underside of the unit. Cross-reference the model numbers found on your appliance with the list below.
Known Compatible Appliance Series/Part Numbers:

- **Numerical Series:** 061563, 082063, 102563 (including 'EX' and 'T' variations)
- **G01 Series:** G012R, G010715R, G010820R, G010920R, G011225R, G011230RT (including 'EX' and 'A' variations)
- **HMW Series:** HMW1500, HMW2000T, HMW2400T (including 'T' and 'EX' variations)
- **KR03 Series:** KR030715W, KR030920, KR031225 (including 'V' variations)
- **KR73 Series:** KR730715, KR730920, KR731120, KR731225
- **MG15 Series:** MG15, MG15T
- **R030 Series:** R030715, R030920 (including 'T', 'V', 'W', 'EX' variations)
- **R031 Series:** R031120, R031225, R031530 (including 'V', 'T', 'EX' variations)
- **RAP Series:** RAP1500T, RAP1501T, RAP2400T, RAP2401T (including 'EX' variations)
- **RD Series:** RD1500, RD1501, RD2000, RD2001, RD2400, RD2401T (including 'T', 'TF', 'EX' variations)

4. Installation and Setup

Warning: Installation of electrical components should only be performed by qualified personnel. Disconnect the appliance from the main power supply before attempting any installation or replacement. Failure to do so may result in electric shock, injury, or damage to the appliance.

1. **Safety First:** Ensure the oil-filled radiator is unplugged from the wall outlet and has cooled down completely.
2. **Access the Switch:** Carefully open the appliance casing to access the existing switch. Refer to your specific radiator's service manual for instructions on how to safely open the unit.
3. **Note Wiring:** Before disconnecting the old switch, take clear photographs or make a detailed diagram of the wiring connections to each of the 6 contacts.
4. **Remove Old Switch:** Disconnect all wires from the old switch and carefully remove it from its mounting.
5. **Install New Switch:** Insert the new DRH-2415 switch into the mounting slot.
6. **Connect Wiring:** Reconnect the wires to the new switch, ensuring each wire is attached to the correct contact as per your diagram or photographs. The switch has 6 contacts, and correct wiring is crucial for proper function and safety.
7. **Secure Casing:** Once the switch is securely installed and wired, carefully reassemble the appliance casing.
8. **Test Functionality:** Plug the radiator back into the power outlet and test the switch's operation.

5. Operation

The DRH-2415 is an ON-OFF-ON type double switch. This means each rocker can typically be in one of three positions: ON (one circuit active), OFF (no circuit active), or ON (the other circuit active). For oil-filled radiators, these positions often correspond to different heating levels or power settings.

- **"ON" Position:** Activates the heating element corresponding to that switch's circuit.

- **"OFF" Position:** Deactivates the heating element corresponding to that switch's circuit.
- **Double Switch Functionality:** The two rockers allow for independent control of two separate heating circuits or power stages within the radiator, enabling different heat output levels.

Refer to your specific De'Longhi oil-filled radiator's user manual for detailed instructions on how the switch positions correspond to its heating functions.

6. Maintenance

The DRH-2415 switch is designed for durability and requires minimal maintenance. However, regular inspection can help ensure its longevity and safe operation.

- **Cleaning:** If the switch surface becomes dirty, gently wipe it with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these can damage the plastic material. Ensure the appliance is unplugged before cleaning.
- **Inspection:** Periodically check the switch for any signs of physical damage, such as cracks, loose rockers, or discoloration. If any damage is observed, discontinue use of the appliance and consult a qualified technician for inspection and potential replacement.
- **Electrical Connections:** Do not attempt to open the switch or inspect internal electrical connections unless you are a qualified technician.

7. Troubleshooting

If you experience issues with your De'Longhi oil-filled radiator after replacing the switch, consider the following general troubleshooting steps:

- **No Power:**
  - Ensure the radiator is securely plugged into a working power outlet.
  - Check the circuit breaker or fuse for the outlet.
  - Verify that the switch is in an "ON" position.
- **Switch Not Responding:**
  - If the switch feels loose or does not click into position, it may be faulty or incorrectly installed.
  - Re-check the wiring connections to ensure they are secure and correctly matched.
- **Partial Functionality (e.g., only one heating level works):**
  - This could indicate an issue with the wiring of one of the switch's circuits or a fault within the switch itself.
  - Ensure both rockers are correctly positioned for the desired heating level.

For persistent issues, it is recommended to consult a qualified appliance repair technician.

8. Specifications

Feature	Specification
Brand	De'Longhi
Model Number	DRH-2415

Feature	Specification
Type	Double Light Switch
Operating Mode	ON-OFF-ON
Current Rating	16 Amperes (16(6)A)
Operating Voltage	250 Volts
Material	Plastic
Number of Contacts	6

9. Support and Warranty

As this is a replacement part, specific warranty information may depend on the retailer or the original appliance's warranty terms. For support regarding the installation or functionality of this switch within your De'Longhi appliance, please refer to the original appliance's user manual or contact De'Longhi customer service directly. Always ensure that any replacement parts are installed by a qualified professional to maintain appliance safety and warranty validity.

For official De'Longhi support, please visit their official website or contact their customer service department in your region. www.delonghi.com