

Danlers DP1DLED

1-Gang Rotary & Push LED Dimmer Switch User Manual

Model: DP1DLED

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1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Danlers 1-Gang Rotary & Push LED Dimmer Switch, Model DP1DLED. This dimmer switch is designed for use with many dimmable LED lamps and fittings, offering both push on/off functionality and rotary dimming control.

2. IMPORTANT SAFETY INFORMATION

WARNING: Risk of Electric Shock. Installation should only be performed by a qualified electrician in accordance with all local and national electrical codes.

- Always disconnect power at the circuit breaker or fuse box before installing or servicing the dimmer switch.
- Ensure all wiring connections are secure and correctly insulated.
- Do not exceed the maximum load rating of 250W for LED lamps.
- This device is intended for indoor use only.
- Do not use with non-dimmable lamps or fixtures.
- The dimmer switch includes a thermal fuse for short circuit protection.

3. PRODUCT OVERVIEW

The Danlers 1-Gang Rotary & Push LED Dimmer Switch features a robust, white, polycarbonate moulded plate with a central rotary knob for control. It is designed for ease of use and reliable performance in dimmable LED lighting applications.



Figure 1: Front view of the Danlers 1-Gang Rotary & Push LED Dimmer Switch. This image shows the white, square faceplate with a central circular rotary knob. Two flat-head screw covers are visible on either side of the knob, securing the faceplate. The overall appearance is clean and functional.

Key Features:

- Push on/off functionality.
- Rotary dimming control.
- Compatible with many dimmable LED lamps and fittings.
- Robust white polycarbonate moulded plate.
- Adjusted spindle on the back for minimum dim level setting.
- Suitable for 1-way or 2-way switching circuits.
- Thermal fuse for short circuit protection.

4. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	DP1DLED
Brand	Danlers
Type	1-Gang Rotary & Push LED Dimmer Switch
Max Load (LED)	250W
Min Load (LED)	5W (as per 'Wattage' spec)
Circuit Type	1-way or 2-way switching
Actuator Type	Rotary
Operation Mode	Off (Push On/Off)
International Protection Rating	IP54
Color	White
Material	Polycarbonate
External Width	86 mm
External Depth	12 mm
Connectivity Protocol	Wi-Fi (Note: This feature may require additional compatible devices or setup not covered in this manual for basic dimmer function.)
Item Weight	3.53 ounces

5. INSTALLATION AND SETUP

Before You Begin:

- Ensure power is OFF at the circuit breaker.
- Verify that your lighting fixtures and lamps are dimmable LED types.
- Consult a qualified electrician if you are unsure about any part of the installation process.

Wiring Instructions:

1. **Disconnect Power:** Locate the circuit breaker or fuse that controls the switch you are replacing or the new circuit. Turn it OFF.
2. **Prepare Wiring:** Carefully remove the existing switch (if applicable) or prepare the new wiring box. Identify the Live (Line), Switched Live (Load), and Neutral wires. This dimmer may not require a neutral connection for basic operation, but always refer to the specific wiring diagram provided with the product packaging.
3. **Connect Wires:**
 - Connect the Live (Line) wire to the terminal marked 'L' or 'Live' on the dimmer switch.
 - Connect the Switched Live (Load) wire (going to the light fixture) to the terminal marked 'Load' or 'Switched Live'.
 - If using in a 2-way switching circuit, connect the appropriate traveler wires as per standard 2-way wiring practices.
 - Ensure all connections are tight and secure.
4. **Mount the Dimmer:** Gently push the wired dimmer switch into the wall box. Secure it using the mounting screws provided.
5. **Attach Faceplate:** Place the white polycarbonate faceplate over the dimmer mechanism and secure it with the decorative screws.
6. **Adjust Minimum Dim Level (Optional):** On the back of the dimmer switch, there is an adjusted spindle. This can be used to set the minimum dim level to help eliminate lamp instability or flicker at very low light settings. Rotate the spindle with a small screwdriver to find the optimal minimum brightness for your specific LED lamps.
7. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

6. OPERATING INSTRUCTIONS

The Danlers 1-Gang Rotary & Push LED Dimmer Switch is designed for intuitive control of your dimmable LED lighting.

Basic Operation:

- **Turning On/Off:** Press the central rotary knob firmly to turn the connected lights ON or OFF.
- **Dimming:** Once the lights are on, rotate the central knob clockwise to increase brightness and counter-clockwise to decrease brightness.

7. MAINTENANCE

The Danlers LED Dimmer Switch requires minimal maintenance.

- **Cleaning:** To clean the surface of the dimmer switch, wipe it with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Inspection:** Periodically inspect the dimmer switch for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

WARNING: Always disconnect power before cleaning or performing any maintenance on the dimmer switch.

8. TROUBLESHOOTING

If you experience issues with your dimmer switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	<ul style="list-style-type: none">• No power to the circuit.• Loose wiring connection.• Faulty lamp(s).• Dimmer switch is faulty.	<ul style="list-style-type: none">• Check circuit breaker/fuse.• Verify all wiring connections are secure (power off first).• Test lamps in another fixture.• Consult an electrician for diagnosis.
Lights flicker or hum.	<ul style="list-style-type: none">• Lamps are not dimmable.• Incompatible LED lamps.• Minimum dim level set too low.• Load is below minimum wattage.	<ul style="list-style-type: none">• Ensure all lamps are dimmable LED.• Try different brand/type of dimmable LED lamps.• Adjust the minimum dim level spindle on the back of the dimmer.• Ensure total wattage of connected lamps meets the 5W minimum load.
Dimmer does not dim properly.	<ul style="list-style-type: none">• Lamps are not dimmable.• Incompatible LED lamps.• Dimmer switch is faulty.	<ul style="list-style-type: none">• Verify lamps are dimmable.• Try different dimmable LED lamps.• Consult an electrician.
Dimmer gets warm.	<ul style="list-style-type: none">• Normal operation (slight warmth).• Overloaded circuit.	<ul style="list-style-type: none">• Slight warmth is normal.• Ensure total wattage does not exceed 250W. If excessively hot, disconnect power and consult an electrician.

9. WARRANTY AND CUSTOMER SUPPORT

For warranty information or technical support regarding your Danlers 1-Gang Rotary & Push LED Dimmer Switch, please refer to

the documentation included with your purchase or contact Danlers customer service directly. Keep your proof of purchase for warranty claims.

Manufacturer: Danlers

Model: DP1DLED

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