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DEWENWILS B0DNT4HK9F

DEWENWILS Wireless Outdoor Switch with Remote Control

Model: B0DNT4HK9F - User Manual

1. Introduction

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your DEWENWILS Wireless Outdoor Switch. Please read these instructions thoroughly before use and retain them for future reference.

2. Safety Information

- Ensure the power supply is disconnected before any installation or maintenance.
- Installation should be performed by a qualified electrician if you are unsure about electrical wiring.
- Do not exceed the maximum load capacity of 3000W (230V).
- The product is IP65 rated for outdoor use, meaning it is protected against dust and low-pressure water jets. Ensure all connections are properly sealed with waterproof clamps (not included) for optimal protection.
- Keep the remote control away from water and extreme temperatures.

3. Package Contents

Verify that all items are present in your package:

- 1 x DEWENWILS Wireless Receiver Switch
- 1 x Remote Control (with CR2032 battery included)
- 2 x 2-way snap connectors

- Mounting screws and anchors



Image: The wireless outdoor switch receiver and its accompanying remote control.

4. Product Features

- **No Additional Wiring Required:** Easily integrate the wireless switch between your appliance and power source without complex drilling or embedded wiring. Ideal for controlling hard-to-reach switches or correcting installation errors.
- **IP65 Waterproof and Dustproof:** This remote control switch is IP65 rated, offering protection against dust and rain. Ensure waterproof clamps are used for all connections to maintain this rating in demanding outdoor environments.
- **30m Remote Control Range:** Powerful RF signals penetrate walls and doors without interference, providing a control range of up to 30 meters in open areas. This allows convenient control of your devices from a distance.
- **Expandable and Programmable:** The wireless switch kit supports adding additional receivers or remote controls (compatible with DEWENWILS models only). One remote can control multiple receivers, or one receiver can be controlled by multiple remotes.
- **Wide Applications:** Suitable for various outdoor applications such as garden lighting, garage lights, outdoor lamps, pool pumps, or motors, enhancing convenience and comfort.



Image: The DEWENWILS wireless outdoor switch, highlighting its IP65 waterproof rating in an outdoor environment.

5. Specifications

Feature	Specification
Brand	DEWENWILS
Model	B0DNT4HK9F
Operating Voltage	230 Volts (AC)
Max Load	3000W
Control Method	Remote Control
Wireless Range	Up to 30 meters (open area)
IP Rating	IP65 (Waterproof and Dustproof)
Battery (Remote)	1 x CR2032 Lithium Metal (included)
Material	Stainless Steel (contact material)
Dimensions (Package)	12.2 x 10.6 x 4.7 cm; 170 grams



Image: Detailed view of the DEWENWILS wireless outdoor switch and remote control, showing dimensions and components.

6. Setup and Installation

The DEWENWILS Wireless Outdoor Switch is designed for straightforward installation. Follow these steps carefully:

6.1 Wiring Diagram

Refer to the diagram below for correct wiring connections. Ensure all connections are secure and insulated.

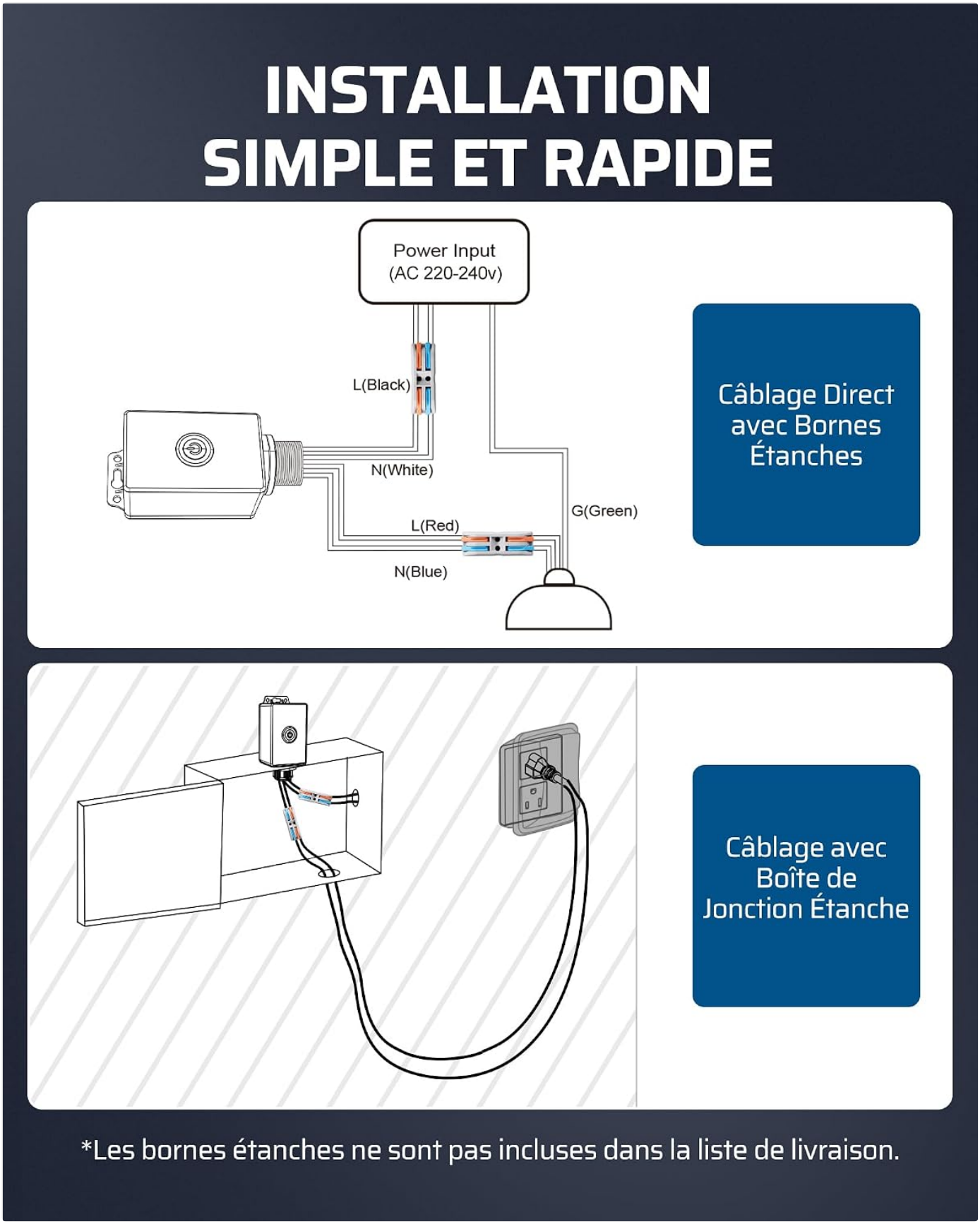


Image: Wiring diagrams illustrating direct cabling with waterproof terminals and cabling with a waterproof junction box.

6.2 Installation Steps

1. **Disconnect Power:** Before starting, ensure the main power supply to the circuit you are working on is completely turned off at the breaker.

2. **Prepare Wires:** Strip the ends of the input and output wires (Live, Neutral, Ground) to expose approximately 10-12mm of copper.
3. **Connect Input Power:** Connect the incoming Live (L), Neutral (N), and Ground (G) wires from your power source to the corresponding input terminals on the wireless receiver. Use appropriate connectors (e.g., the provided snap connectors or waterproof clamps for outdoor use).
4. **Connect Output Device:** Connect the Live (L), Neutral (N), and Ground (G) wires of your appliance (e.g., light fixture) to the corresponding output terminals on the wireless receiver.
5. **Secure Connections:** Double-check all connections to ensure they are tight and properly insulated. For outdoor installations, use waterproof clamps on all cable entries to maintain the IP65 rating.
6. **Mount the Receiver:** Mount the receiver in a suitable location using the provided screws and anchors. Ensure it is protected from direct impact and excessive moisture.
7. **Restore Power:** Once all connections are secure and the receiver is mounted, restore power to the circuit.

6.3 Wiring Demonstration Video

Your browser does not support the video tag.

Video: A step-by-step demonstration of how to wire the DEWENWILS wireless switch receiver to a light fixture using connectors.

7. Operating Instructions

The remote control is typically pre-paired with the receiver. If re-pairing is needed or you are adding new remotes/receivers, follow the instructions below.

7.1 Basic Operation

- Press the **ON** button on the remote control to turn on the connected device.
- Press the **OFF** button on the remote control to turn off the connected device.
- The button on the receiver itself can also be pressed to manually toggle the power state.

7.2 Pairing the Remote Control (if necessary)

1. Ensure the receiver is powered on.
2. Press and hold the button on the receiver for approximately 3-5 seconds until the indicator light on the receiver starts flashing.
3. Within 10 seconds, press either the **ON** or **OFF** button on the remote control.
4. The indicator light on the receiver will stop flashing and remain solid, indicating successful pairing.
5. Test the remote control to ensure it operates the connected device.

7.3 Multiple Remotes / Receivers

The system is designed to be flexible:

- **One Remote, Multiple Receivers:** To control multiple receivers with a single remote, pair the remote with each receiver individually using the steps above.
- **Multiple Remotes, One Receiver:** To control one receiver with multiple remotes, pair each remote with the single receiver individually.



Image: Diagrams illustrating how multiple remotes can control one receiver, or one remote can control multiple receivers.

8. Maintenance

- Regularly inspect the receiver and wiring for any signs of damage or wear.

- Keep the device clean and free from debris. Use a soft, dry cloth for cleaning. Do not use harsh chemicals or abrasive cleaners.
- Replace the remote control battery (CR2032) when the operating range decreases or the indicator light on the remote does not illuminate.

9. Troubleshooting

- **Device not responding:**
  - Check if the receiver has power.
  - Ensure the remote control battery is not depleted.
  - Re-pair the remote control with the receiver as described in Section 7.2.
  - Ensure the remote is within the 30m operating range.
- **Intermittent operation:**
  - Check for strong interference sources (e.g., other wireless devices) nearby.
  - Verify all wiring connections are secure.
- **Indicator light on receiver not working:**
  - Ensure the receiver is receiving power.
  - If the device is powered and the light still doesn't work, contact support.

10. Applications

The DEWENWILS Wireless Outdoor Switch is versatile and can be used to control various outdoor electrical devices, including but not limited to:

- Wall sconces and outdoor spotlights
- Garden string lights and decorative lighting
- Water fountains and pond pumps
- Pool lights and other pool equipment
- Garage lighting



Image: Visual examples of various outdoor applications for the DEWENWILS wireless switch.

10.1 Product Overview Video

Your browser does not support the video tag.

Video: A brief overview showcasing the features and various applications of the DEWENWILS wireless outdoor switch.

11. Warranty and Support

DEWENWILS products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or any questions regarding your product, please refer to the official DEWENWILS website or contact their customer service directly.
You can visit the DEWENWILS store for more products and support:DEWENWILS Store

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