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BN-LINK CP-UWLD28 Dimmer Light Switch User Manual

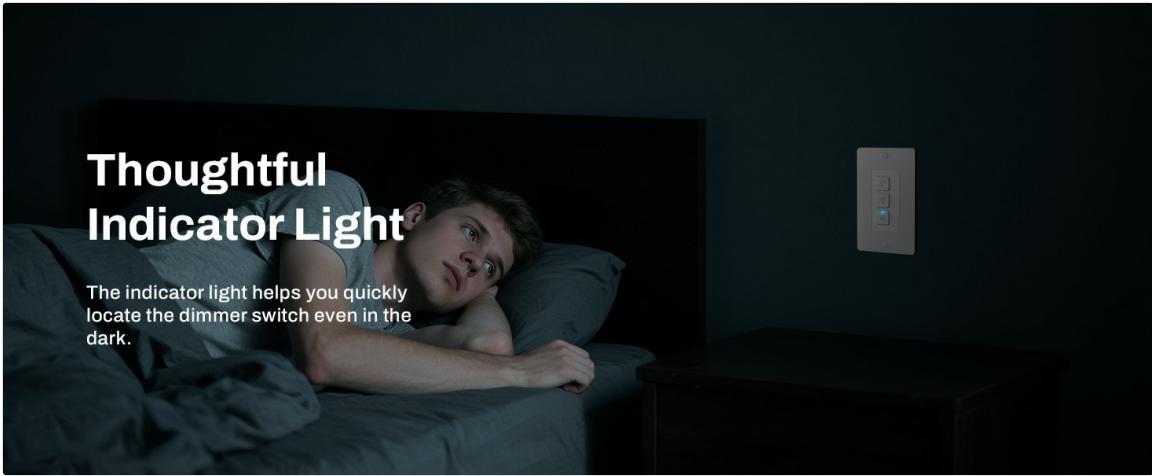
Model: CP-UWLD28 | Brand: BN-LINK

1. INTRODUCTION

This manual provides instructions for the installation and operation of your BN-LINK CP-UWLD28 Dimmer Light Switch. This dimmer switch is designed for single-pole applications and requires a neutral wire for proper functionality. It supports dimmable LED, CFL, and incandescent light bulbs, offering two distinct dimming modes and a memory function to recall your last brightness setting.

2. WHAT'S IN THE BOX

- 1x Dimmer Light Switch
- 1x Wall Plate
- 4x Wire Nuts
- 2x Long Screws
- 2x Short Screws
- 1x User Manual (this document)



Thoughtful Indicator Light

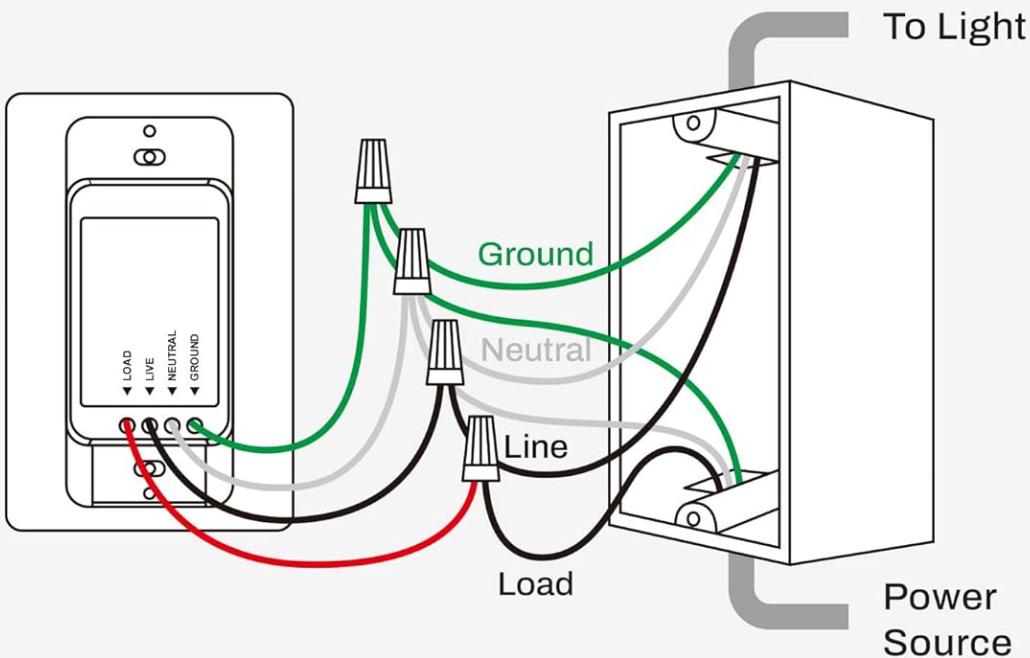
The indicator light helps you quickly locate the dimmer switch even in the dark.

Image: The package contents, including the dimmer switch, wall plate, wire nuts, and mounting screws.

3. SPECIFICATIONS

Feature	Detail
Operation Mode	ON-OFF
Current Rating	3 Amps
Operating Voltage	125 Volts
Compatible Devices	Dimmable LED (3W-150W), CFL (3W-150W), Incandescent (3W-400W)
Control Type	Manual Push Button
Connectivity Protocol	N.A (No WiFi)
Dimensions (L x W x H)	4.49 x 2.76 x 1.34 inches
Item Weight	5 ounces
Color	White

Installation



- Neutral wire required
- Works in single pole only
- No wifi

Please make sure your electrical box has a **neutral wire** available for installation.

Image: Product dimensions of the dimmer switch.

4. INSTALLATION

Important: Installation should be performed by a qualified electrician or a person with knowledge of electrical wiring. Ensure power is turned off at the circuit breaker before beginning installation.

- Turn Off Power:** Locate the circuit breaker controlling the light switch you intend to replace and turn off the power. Verify the power is off using a voltage tester.
- Remove Old Switch:** Carefully remove the existing wall plate and unscrew the old switch from the electrical box. Disconnect the wires from the old switch.
- Identify Wires:** Identify the following wires in your electrical box:

- **Line Wire:** Carries power from the circuit breaker.
- **Load Wire:** Connects to the light fixture.
- **Neutral Wire:** Typically white, required for this dimmer switch.
- **Ground Wire:** Bare copper or green.

4. **Wire the Dimmer Switch:** Connect the wires from the dimmer switch to the corresponding wires in the electrical box using the provided wire nuts. Refer to the wiring diagram below.

- Dimmer Switch **White Wire** to Wall Box **Neutral Wire**
- Dimmer Switch **Black Wire** to Wall Box **Power Supply's Line (Live)**
- Dimmer Switch **Red Wire** to Wall Box **Load Wire**
- Dimmer Switch **Green Wire** to Wall Box **Ground Wire**

5. **Mount the Switch:** Carefully push the wired dimmer switch into the electrical box. Secure it with the provided screws.

6. **Install Wall Plate:** Attach the new wall plate over the dimmer switch.

7. **Restore Power:** Turn the power back on at the circuit breaker.

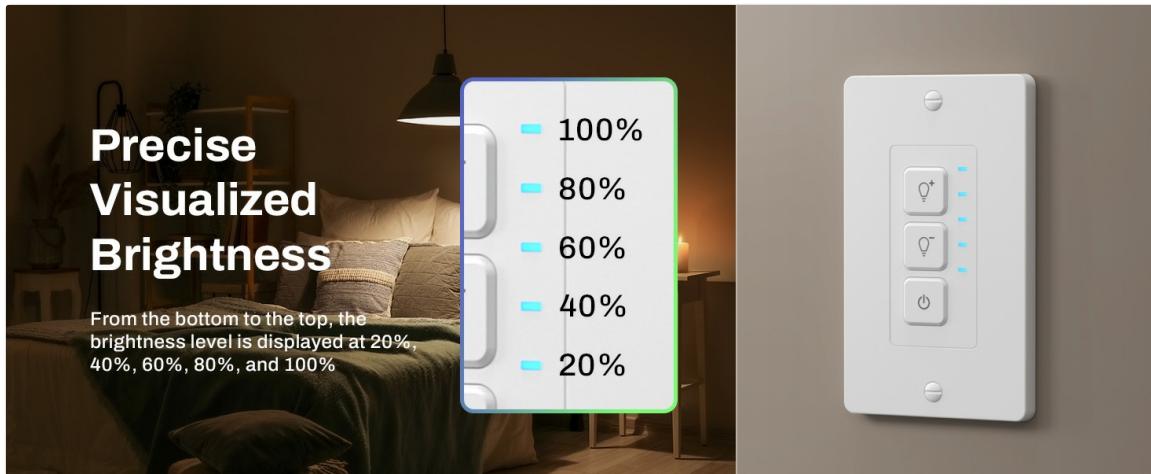


Image: Wiring diagram for single-pole installation. Ensure a neutral wire is available.

Note: This dimmer switch works in single-pole only and requires a neutral wire. It is not a smart dimmer switch and cannot be connected to Wi-Fi.

5. OPERATION

The BN-LINK Dimmer Light Switch features intuitive controls for adjusting light brightness and an indicator light for visibility in the dark.

First Use

During the first use, press the power button on the dimmer switch. The initial brightness of the light is set at 100%. Use the "+" and "-" buttons for fast adjustments and fine adjustment.

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Video: Demonstration of the BN-LINK Dimmer Light Switch's operation, including fast and fine dimming adjustments and memory function.

Controls Overview

Wide Compatibility



Incandescent Lamp
3-400W 125v/60Hz



Dimmable LED
3-150W 125v/60Hz



Dimmable CFL
3-150W 125v/60Hz

* Please make sure that your fluorescent lamp and LED lamp are dimmable, and the load of the bulbs is within the specified range.



Image: Labeled buttons on the dimmer switch for power, dimming up, and dimming down, with indicator lights.

- **Power Button:** Press to turn the lighting On/Off.
- **Dimmer "+" Button:**
 - *Fast Adjustment:* Press briefly to increase brightness by 10% each time.
 - *Fine Adjustment:* Press and hold to gradually increase brightness by 1% each time.
- **Dimmer "-" Button:**
 - *Fast Adjustment:* Press briefly to decrease brightness by 10% each time.
 - *Fine Adjustment:* Press and hold to gradually decrease brightness by 1% each time.
- **Indicator Lights:** Display the current brightness level (20%, 40%, 60%, 80%, 100%).

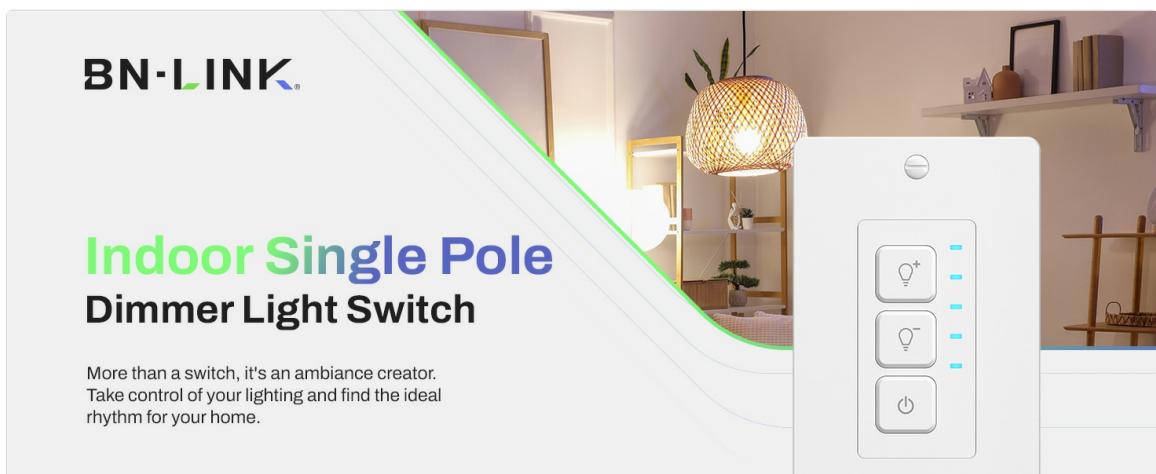


Image: Visual representation of the fast (10% increments) and fine (1% increments) brightness adjustment modes.

Memory Function

The dimmer switch remembers the last brightness level used and restores it automatically the next time the light is turned on.

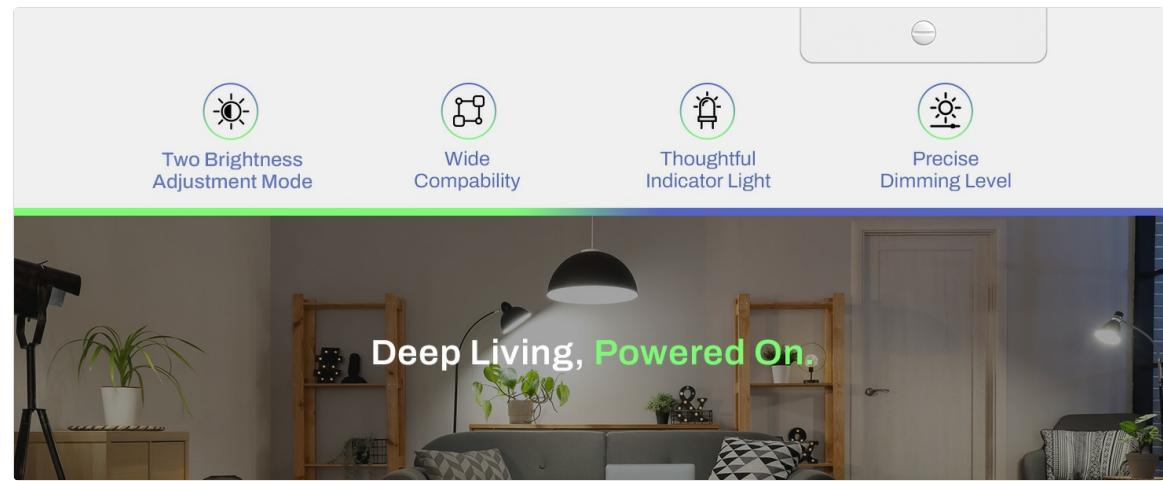


Image: The thoughtful indicator light helps locate the dimmer easily in the dark.

6. COMPATIBILITY

This dimmer switch is compatible with various dimmable light sources:

- **Dimmable LED:** 3-150W, 125V/60Hz
- **Dimmable CFL:** 3-150W, 125V/60Hz
- **Incandescent Lamp:** 3-400W, 125V/60Hz

Please ensure that your fluorescent lamp and LED lamp are dimmable, and the total load of the bulbs is within the specified range.

Two Adjustment Mode

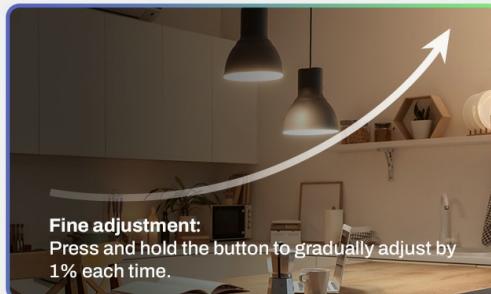
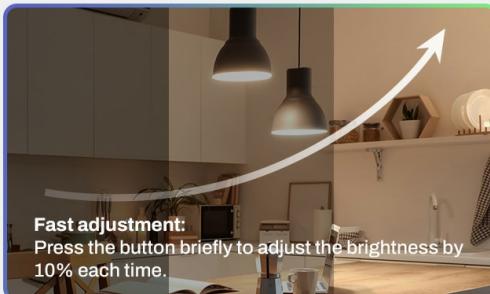


Image: Illustration of wide compatibility with incandescent, dimmable LED, and dimmable CFL bulbs.