

Allsmartlife MNTK-133944

Allsmartlife 0-10V Dimmer Switch

MODEL: MNTK-133944

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Allsmartlife 0-10V Dimmer Switch. This dimmer switch is designed to provide stable 0-10V dimming for compatible LED, CFL, incandescent, and halogen bulbs, allowing for precise control over lighting levels. It supports both single-pole and 3-way wiring configurations.

Please read this manual thoroughly before installation and use to ensure safe and proper operation.

Safety Information

- **WARNING:** To avoid fire, shock, or death, turn off power at the circuit breaker or fuse box and test that power is off before wiring.
- This device is intended for installation in accordance with the National Electric Code and local regulations.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Do not use with non-dimmable bulbs.
- This dimmer is ETL certified, meeting safety standards for your peace of mind.

Package Contents

Verify that all components are present before beginning installation:

- 0-10V Dimmer Switch
- Wall Plate
- Mounting Screws
- Wire Nuts
- Instruction Manual

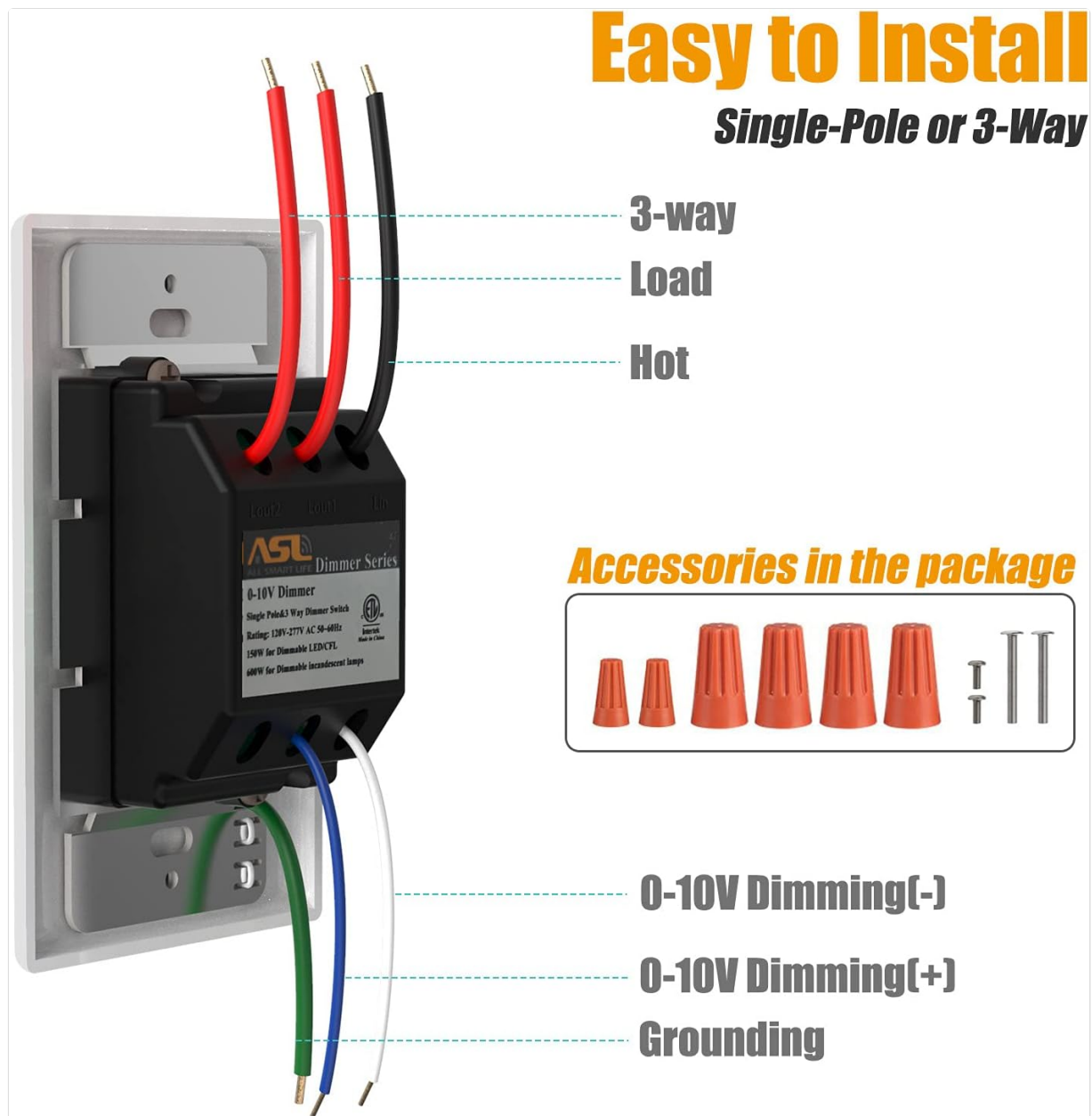


Figure 1: Dimmer Switch and Included Accessories

Specifications

Feature	Specification
Model Number	MNTK-133944
Operation Mode	Manual
Current Rating	3 Amps
Operating Voltage	10 Volts (for dimming control)
Line Voltage	120 Volts
Contact Type	Normally Open
Connector Type	Screws
Circuit Type	3-way or Single Pole

Actuator Type	Slide
Contact Material	Copper
International Protection Rating	IP54
Max Wattage (LED/CFL)	150 Watts
Max Wattage (Incandescent/Halogen)	600 Watts
Dimensions (L x W x H)	2.6 x 1.6 x 4.6 inches
Item Weight	4.2 ounces

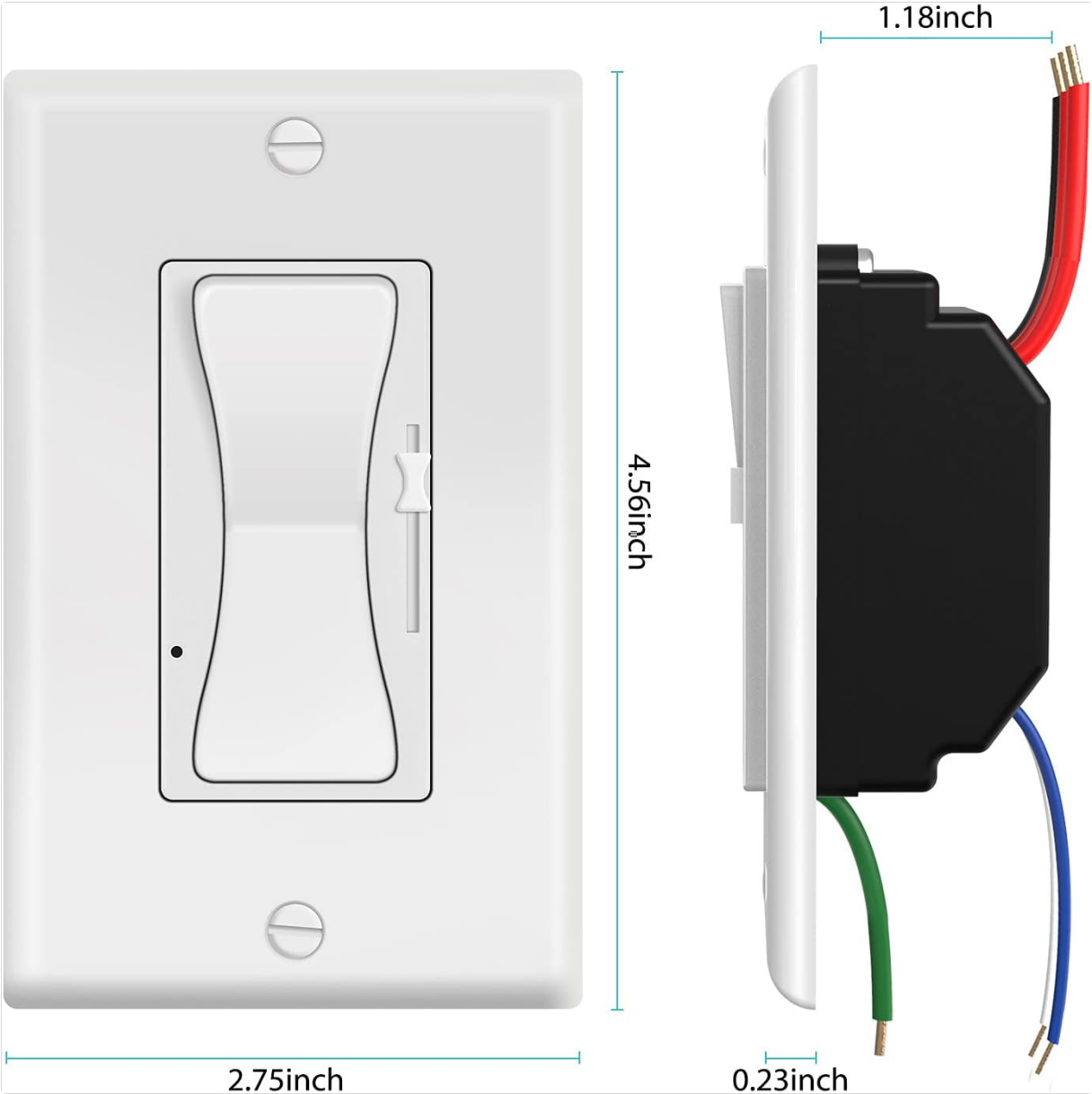


Figure 2: Product Dimensions

Installation

Before you begin: Turn OFF power at the circuit breaker or fuse box. Ensure the power is completely off before proceeding.

Wiring Instructions:

1. **Identify Wires:** Carefully identify the 'Hot' (Line), 'Load', '3-Way' (if applicable), '0-10V Dimming (+)', '0-10V Dimming (-)', and 'Grounding' wires from your electrical box.
2. **Connect Wires:** Use the provided wire nuts to connect the dimmer switch wires to your household wires according to the diagrams below.
 - **Hot (Line):** Connect to the black wire from the circuit breaker.
 - **Load:** Connect to the black wire going to the light fixture.
 - **3-Way (Traveler):** For 3-way applications, connect to the traveler wire from the other 3-way switch. (Not used in single-pole setup).
 - **0-10V Dimming (+):** Connect to the positive dimming control wire from your dimmable fixture/driver.
 - **0-10V Dimming (-):** Connect to the negative dimming control wire from your dimmable fixture/driver.
 - **Grounding:** Connect to the bare copper or green ground wire from your electrical box.
3. **Mount Switch:** Gently push the wired switch into the wall box. Secure it with the provided mounting screws.
4. **Install Wall Plate:** Attach the wall plate over the switch.
5. **Restore Power:** Turn ON power at the circuit breaker.

Single-Pole Wiring Diagram:

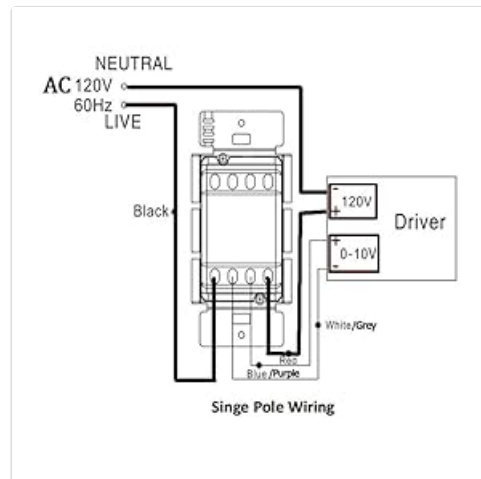


Figure 3: Single-Pole Wiring Diagram

3-Way Wiring Diagram:

For 3-way installations, refer to the detailed instructions provided in the package for specific wiring configurations involving two switches controlling one light fixture.

Operating Instructions

The Allsmartlife 0-10V Dimmer Switch features a large rocker paddle for on/off control and a discreet slider for dimming adjustment.

- **Turn ON/OFF:** Press the top or bottom of the large rocker paddle to turn the lights on or off.
- **Dimming:** Use the small slider on the right side of the paddle to adjust the brightness level. Slide it up for brighter light and down for dimmer light.

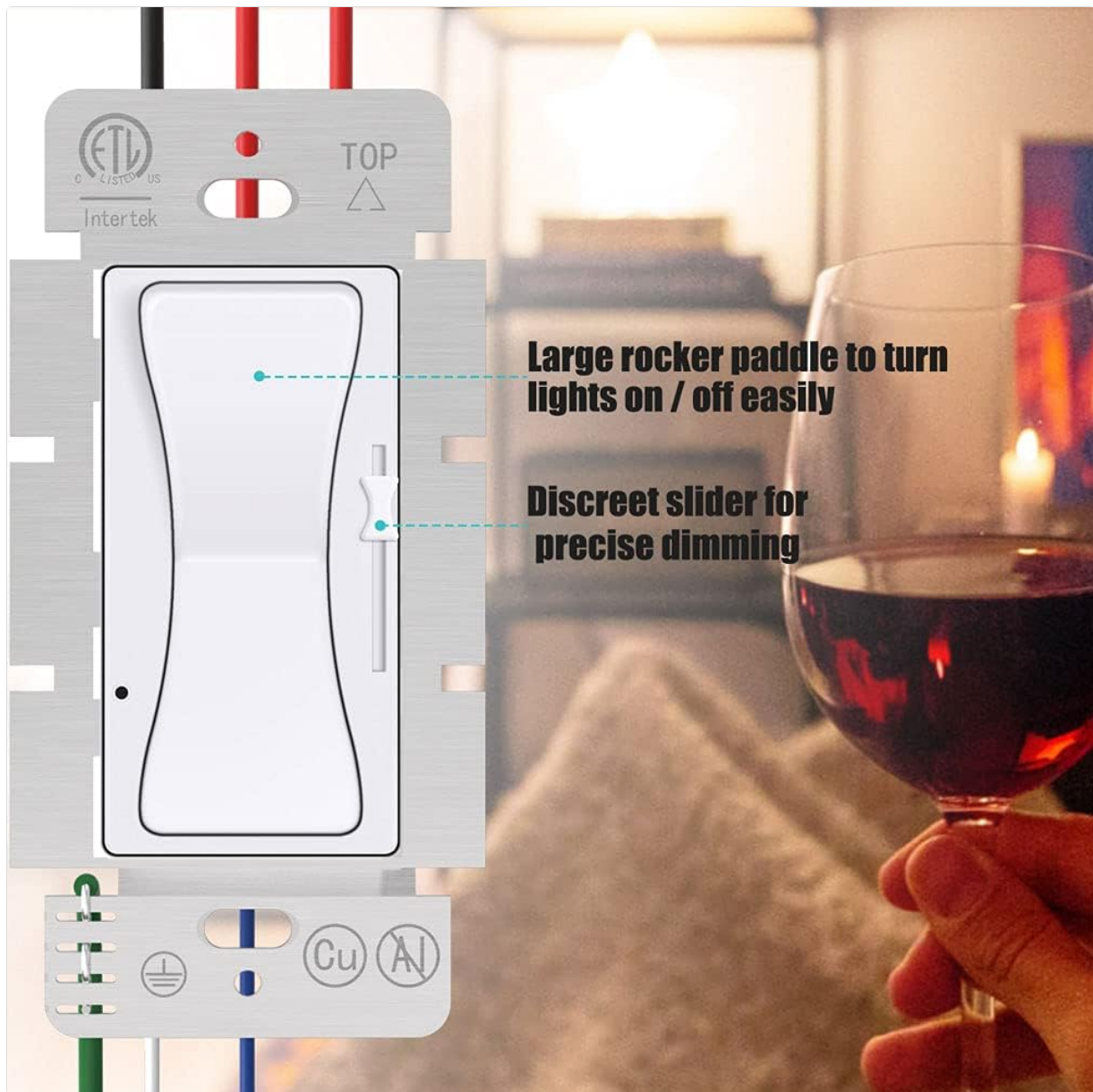


Figure 4: Dimmer Switch Controls

Compatibility

This dimmer switch is compatible with a wide range of dimmable lighting types:

- Dimmable LED bulbs (up to 150 Watts)
- Dimmable CFL bulbs (up to 150 Watts)
- Incandescent bulbs (up to 600 Watts)
- Halogen bulbs (up to 600 Watts)

Ensure your bulbs are explicitly labeled as "dimmable" for optimal performance and to prevent damage.



Figure 5: Compatible Light Types

Troubleshooting

- **Lights do not turn ON:**
 - Check that power is ON at the circuit breaker.
 - Verify all wire connections are secure.
 - Ensure bulbs are properly installed and not burnt out.
- **Lights do not dim or flicker:**
 - Confirm that your bulbs are dimmable and compatible with 0-10V dimming technology.
 - Check the wattage of your bulbs to ensure they do not exceed the dimmer's maximum capacity (150W for LED/CFL, 600W for Incandescent/Halogen).
 - Verify the 0-10V dimming control wires are correctly connected to the fixture's driver.
- **Dimmer switch is warm to the touch:**
 - It is normal for dimmers to feel warm during operation. If it feels excessively hot, turn off power and consult an electrician.

Maintenance

To clean your dimmer switch, wipe it with a soft, damp cloth. Do not use chemical cleaners or abrasive materials, as these can damage the finish.

Warranty and Support

This Allsmartlife 0-10V Dimmer Switch comes with a **one-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

If you encounter any problems or have questions regarding your dimmer switch, please contact Allsmartlife

customer support for assistance. Contact information can typically be found on the product packaging or the manufacturer's official website.