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## Amico 3Way White 1

# Amico Dimmer Light Switch Instruction Manual

Model: 3Way White 1

## 1. Product Overview

The Amico Dimmer Light Switch is designed for universal lighting control, compatible with various bulb types including dimmable LED/CFL and incandescent bulbs. It supports both single-pole and 3-way circuit configurations, offering flexible control over your lighting. This dimmer features a smooth, flicker-free dimming experience and a memory function to retain your preferred lighting levels.



Figure 1: Front view of the Amico Dimmer Light Switch.




Figure 2: The Amico Dimmer Switch provides smooth, flicker-free, and silent dimming for an enhanced lighting experience.

## 2. What's in the Box

Upon opening your package, please verify that all components are present and undamaged:

- 1 x Dimmer Switch Body
- 1 x Wall Plate
- Screws for installation

## 3. Specifications

| Feature | Specification |
|---|---|
| Product Dimensions | 2.21 x 4.12 x 1.73 inches; 5.47 ounces |
| Operation Mode | ON-OFF |
| Current Rating | 15 Amps |
| Operating Voltage | 120 Volts |
| Contact Type | Single-pole Double-throw |
| Connector Type | Quick Connect, Screw |
| Terminal | Screw |
| Circuit Type | 3-way |
| Actuator Type | Slide Dimmer Switch |
| Max Wattage (LED/CFL) | 150W |
| Max Wattage (Incandescent/Halogen) | 600W |
| Operating Temperature | -13°F to +113°F (-25°C to 45°C) |
| Flammability | V-0 per UL94 |

Amico

# Product Dimension

## Suitable for most room installation

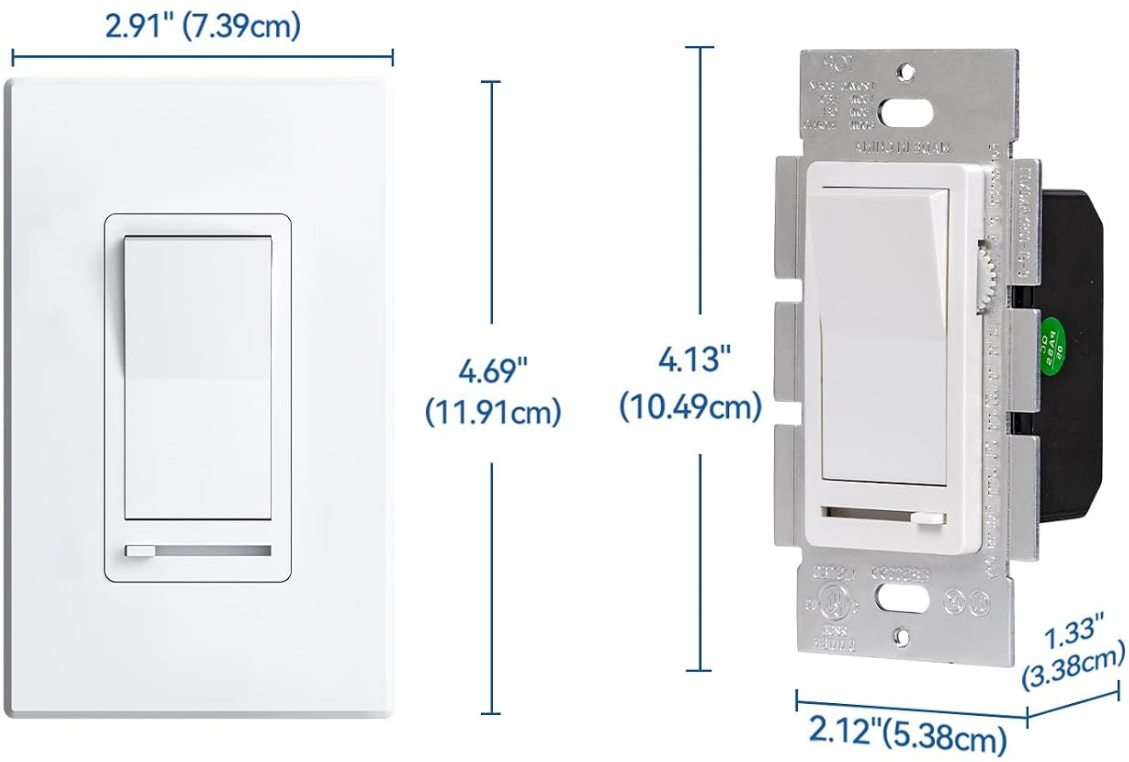






Figure 3: Detailed product dimensions and a note on required electrical box depth (at least 2 inches).




| | | | |
|---|---|---|---|
| Rating Input | AC 125V 60Hz | Wiring Type | Terminal Cap |
| Rating Wattage | INC 600W, LED150W, CFL150W | Operating Temperature | -13°F to +113°F (-25° C to 45° C) |
| Wiring Configurations | Single Pole / 3-Way | Terminal Accom | 14-12AWG |
| Flammability | V-0 per UL94 | Remark | Scerwless Wall Plate Included |

Higher Capacity

Figure 4: Comprehensive product specifications including rating input, wattage, wiring configurations, and operating conditions.




Figure 5: Compatibility chart showing the dimmer's performance with various bulb types (LED, CFL, Incandescent). Note: Bulbs must be dimmable.

## 4. Installation Instructions

***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! Installation should be performed by a qualified electrician if you are unsure.

### 4.1. Pre-Installation Checklist

- Ensure power is OFF at the circuit breaker.
- Verify the electrical box depth is at least 2 inches.
- Identify your circuit type: Single-Pole or 3-Way.




Figure 6: Illustration of single-pole and 3-way circuit setups. For 3-way circuits, only one dimmer switch can be installed.




Figure 7: The Amico dimmer switch does not require a neutral wire, simplifying installation in older homes.

### 4.2. Wiring the Dimmer Switch

Follow the wiring diagrams carefully based on your circuit type. The dimmer switch comes with pre-stripped wires for easy connection.

1. **Ground Wire:** Connect the green wire from the dimmer to the bare copper or green ground wire in the wall box.
2. **Single-Pole Circuit:** Connect the red wire #2 from the dimmer to the load wire (wire going to the light fixture). Connect the red wire #3 (with red tag) and black wire #4 to the hot input wire (line wire from the circuit breaker).
3. **3-Way Circuit:** Connect the red wire #2 and red wire #3 from the dimmer to the two traveler wires in the wall box. Connect the black wire #4 to the hot input wire (line wire from the circuit breaker).
4. Secure all connections with wire nuts.

Video 1: A detailed guide on installing the Amico Dimmer Switch, demonstrating wiring for both single-pole and 3-way circuits.

### 4.3. Mounting and Finishing

1. Carefully push all wires back into the wall box.

2. Mount the dimmer switch into the wall box using the provided screws.
3. Attach the wall plate.
4. Restore power at the circuit breaker.

## 5. Operating Instructions

The Amico Dimmer Light Switch provides intuitive control over your lighting.

### 5.1. Basic Operation

- **Turn ON/OFF:** Press the large rocker switch to turn the lights on or off.
- **Adjust Brightness:** Use the small slide control on the right side of the rocker switch to adjust the light intensity. Slide up for brighter, down for dimmer.



Figure 8: Visual representation of the dimmer's ability to adjust brightness from 10% to 100%.

Video 2: Demonstration of the Amico Dimmer Light Switch in operation, showcasing its smooth dimming capabilities.

### 5.2. Minimum Brightness Adjustment

This dimmer has an adjustable dimming range to eliminate lamp flicker at the low end. If your bulbs hum, buzz, or flicker, adjust the minimum brightness:

1. Turn the dimmer on and move the slide to the leftmost (lowest) setting.
2. Rotate the adjustment wheel (located behind the wall plate, usually on the side of the dimmer body) counter-clockwise to increase minimum brightness, or clockwise to decrease it.
3. Adjust until the preferred lowest light level is achieved and the lights are not flickering.

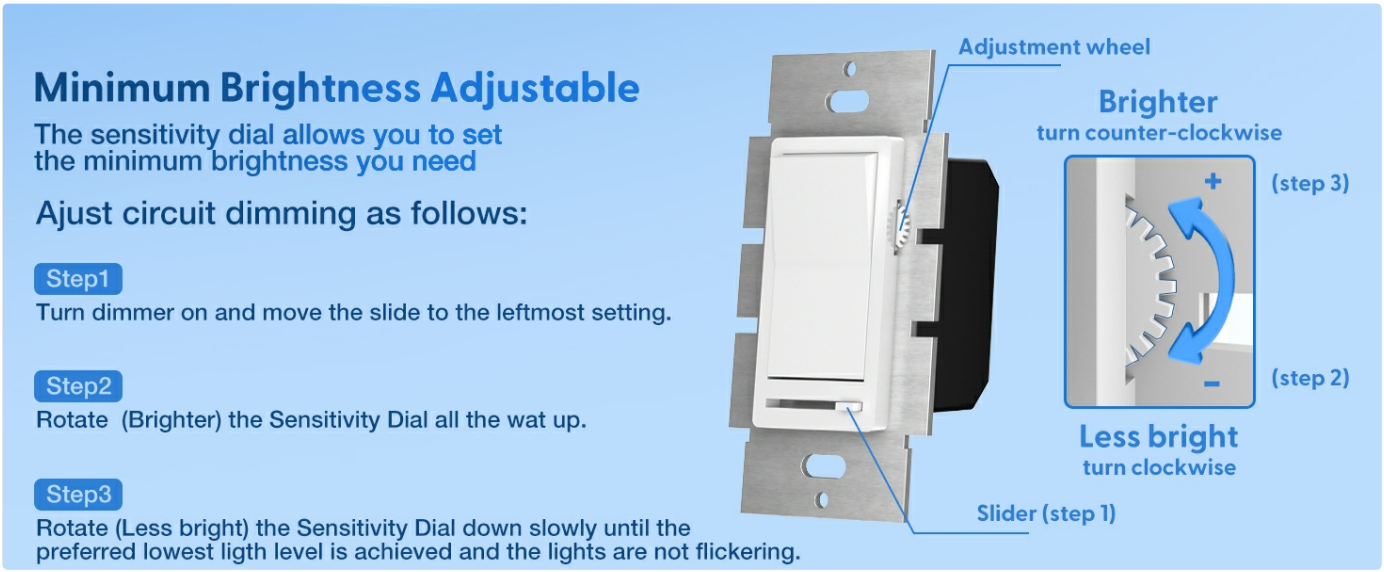



Figure 9: Diagram illustrating how to adjust the minimum brightness setting on the dimmer switch to prevent flickering.

## 6. Maintenance

The Amico Dimmer Light Switch requires minimal maintenance. To ensure longevity and proper function:

- **Cleaning:** Use a soft, damp cloth to clean the surface of the dimmer and wall plate. Avoid abrasive cleaners or solvents.
- **Inspection:** Periodically check the dimmer and wall plate for any signs of damage, loose connections, or excessive heat. If any issues are observed, turn off power at the circuit breaker and consult a qualified electrician.
- **Bulb Compatibility:** Ensure that any new bulbs installed are compatible with dimmers and do not exceed the dimmer's maximum wattage rating.

## 7. Troubleshooting

If you encounter issues with your Amico Dimmer Light Switch, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
| --- | --- | --- |

| Problem | Possible Cause | Solution |
|---|---|---|
| Lights do not turn ON | No power to the switch; Loose wiring; Incorrect wiring; Burnt-out bulb. | Check circuit breaker; Verify wiring connections; Replace bulb. |
| Lights flicker or hum | Incompatible bulbs; Minimum brightness setting too low; Overload. | Ensure bulbs are dimmable; Adjust minimum brightness (see Section 5.2); Reduce total wattage on circuit. |
| Dimmer does not dim | Non-dimmable bulbs; Incorrect wiring. | Replace with dimmable bulbs; Check wiring connections. |
| Dimmer is hot to the touch | Overload; Poor ventilation. | Reduce total wattage on circuit; Ensure proper air circulation around the switch. If overheating persists, discontinue use and consult an electrician. |

If the problem persists after attempting these solutions, please contact Amico customer support.

## 8. Warranty and Support

Amico stands behind the quality of its products. All Amico dimmer switches come with a **3-year product support**, ensuring reliable performance. Our dedicated customer support team is available to address your concerns within 12 hours.

For technical assistance, warranty claims, or any other inquiries, please visit the official Amico Store or contact our customer service through the details provided on our website.




Figure 10: Amico brand logo, representing quality and customer commitment.

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