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> Amico Dimmer Light Switch (Model GS-600-12-01) User Manual

Amico GS-600-12-01

Amico Dimmer Light Switch User Manual

Model: GS-600-12-01

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1. PRODUCT OVERVIEW

The Amico Dimmer Light Switch provides versatile lighting control for your home or office. Designed for both single-pole and 3-way applications, this slide dimmer is compatible with a wide range of dimmable LED, CFL, incandescent, and halogen bulbs. It features a memory function to retain your preferred brightness setting and is ETL certified for safety and quality.

Key Features:

- **Universal Lighting Control:** Suitable for up to 150W dimmable LED/CFL bulbs or 600W incandescent/halogen bulbs.
- **Single Pole or 3-Way:** Control lights from one or two locations without requiring a neutral wire.
- **Memory Function:** Retains your last brightness setting after turning off and on.
- **Optimal Compatibility:** Engineered for flicker-free dimming, especially with Amico recessed ceiling lights.
- **ETL Certified:** Meets rigorous safety standards for residential, commercial, and office use.



Dimmer Switch

Smooth, Flicker-Free, and Silent Dimming

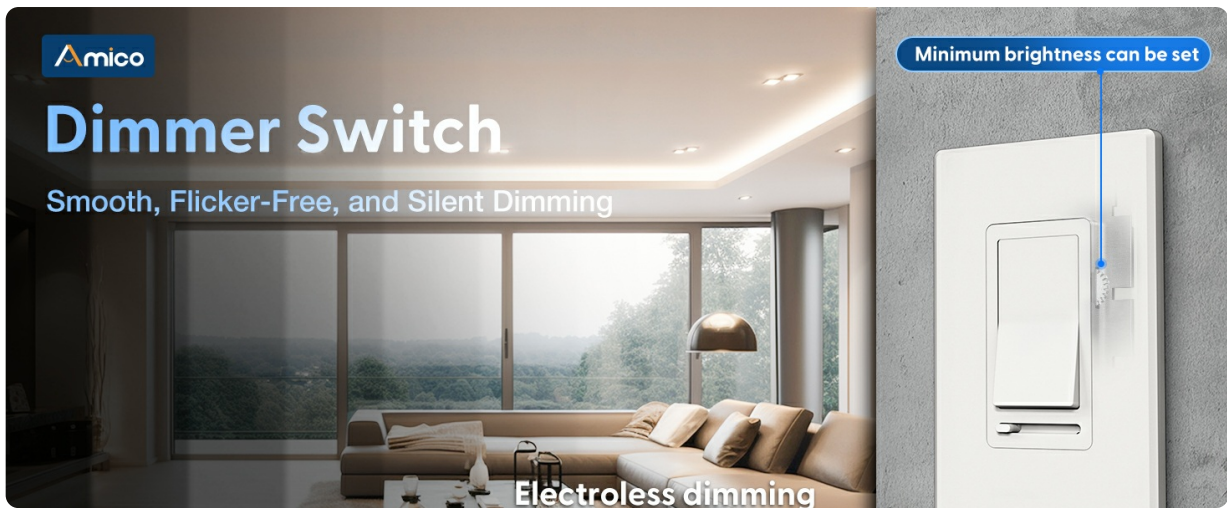


Image: The Amico Dimmer Switch provides smooth, flicker-free, and silent dimming, adjustable from 10% to 100% brightness.

2. SAFETY INFORMATION

WARNING: RISK OF ELECTRIC SHOCK. Improper installation can result in serious injury or death.

- Always turn off power at the circuit breaker or fuse box before installing or servicing the dimmer switch.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- Install in accordance with all national and local electrical codes.
- Do not use with non-dimmable bulbs.
- Do not exceed the maximum wattage ratings: 150W for dimmable LED/CFL, 600W for incandescent/halogen.
- This device is for indoor use only.
- Ensure all wire connections are secure.

3. WHAT'S IN THE BOX

Your Amico Dimmer Light Switch package includes:

- 1 x Amico Dimmer Light Switch
- 1 x Screwless Wall Plate
- Installation Hardware (e.g., wire nuts, screws)
- User Manual

4. PRODUCT SPECIFICATIONS

Feature	Specification
Model Number	GS-600-12-01
Operation Mode	ON-OFF
Current Rating	15 Amps
Operating Voltage	120 Volts
Contact Type	Normally Closed
Switch Type	Slide
Terminal	Screw
Material	Plastic, Metal (Contact Material)
Item Dimensions (L x W x H)	2.76 x 4.53 x 1.77 inches (7.01 x 11.51 x 4.49 cm)
Circuit Type	Single-Pole, 3-Way
Mounting Type	Wall Mount
Operating Temperature	32°F to 104°F (0°C to 40°C)
Wattage (Max)	150W LED/CFL, 600W Incandescent/Halogen
Control Type	Slide
Smart Home Compatibility	Not Smart Home Compatible
Color	White
International Protection Rating	IP40
Certification	ETL Listed

PRODUCT SPECIFICATION			
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
Listed	ETL	Remark	Scerwless Wall Plate Included

Image: The dimmer switch offers high compatibility with various bulb types, including Amico LED, CFL, Incandescent, and Halogen lights, ensuring flicker-free dimming.

5. INSTALLATION INSTRUCTIONS

Before You Begin:

- Turn off power at the circuit breaker or fuse box.
- Ensure the electrical box depth is at least 2 inches (5.08 cm) to accommodate the dimmer switch.
- This dimmer does not require a neutral wire.

Make sure the switch is level before installing the wall plate

If the switch isn't level with the wall, the dimmer slider may jam or the wall plate won't fit flush. If this happens, simply remove the screws, adjust the main body until it's level, and reinstall.

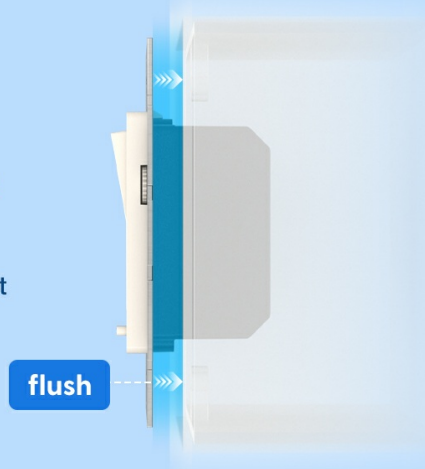


Image: Product dimensions and the recommended minimum electrical box depth of 2 inches for proper installation.

Wiring Steps:

1. **Identify Wiring:** Carefully identify the LINE (hot), LOAD, and GROUND wires in your electrical box. For 3-way installations, identify the two TRAVELER wires.
2. **Connect Ground Wire:** Connect the green wire from the dimmer switch to the bare copper or green ground wire in the wall box.
3. **Single-Pole Wiring:**
 - Connect one black wire from the dimmer to the LINE (hot) wire.
 - Connect the other black wire from the dimmer to the LOAD wire (to the light fixture).
 - Cap off the red traveler wires, as they are not used in single-pole setups.
4. **3-Way Wiring:**
 - Connect the black wire from the dimmer to the common (LINE or LOAD) wire.
 - Connect the two red traveler wires from the dimmer to the two traveler wires in the wall box.
 - *Note: Only one dimmer switch can be installed in a 3-way circuit. The other switch must be a standard 3-way ON/OFF switch.*
5. **Secure Connections:** Use wire nuts to secure all connections. Ensure no bare wire is exposed.
6. **Mount Dimmer:** Carefully push the wired dimmer switch into the wall box. Secure it with the provided screws.

Higher Capacity

Model number	Power	Compatibility	Star Level
 Amico's LED Light	150W	99.99%	★★★★★
 CFL Light	150W	99.99%	★★★★★
 Incandescent Light	600W	99.99%	★★★★★
 Others LED Light	150W	95%	★★★★★

Note: Bulbs need to be dimmable



Image: Visual guide for connecting the dimmer switch in both single-pole and 3-way circuit configurations.

Minimum Brightness Adjustable

The sensitivity dial allows you to set the minimum brightness you need

Adjust circuit dimming as follows:

Step 1

Turn dimmer on and move the slide to the leftmost setting.

Step 2

Rotate (Brighter) the Sensitivity Dial all the way up.

Step 3

Rotate (Less bright) the Sensitivity Dial down slowly until the preferred lowest light level is achieved and the lights are not flickering.

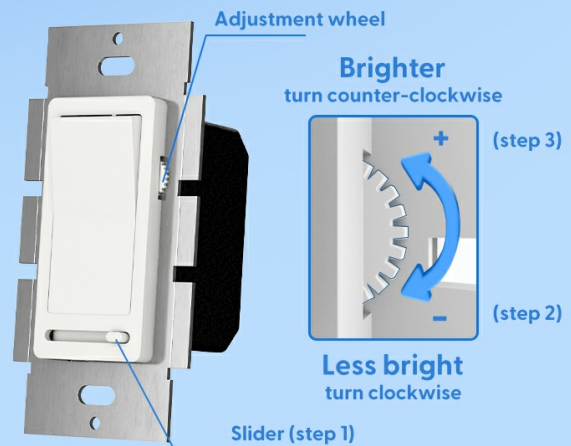


Image: The Amico Dimmer Switch is designed for simple installation, even in older homes without a neutral wire, requiring no additional wiring.

Wall Plate Installation:

- Before attaching the screwless wall plate, ensure the dimmer switch is level with the wall. If it's not level, the dimmer slider may jam or the wall plate won't fit flush.
- If adjustment is needed, remove the screws, adjust the main body until it's level, and then reinstall.
- Snap the screwless wall plate onto the dimmer switch.



Image: Proper alignment of the dimmer switch with the wall is crucial for the wall plate to sit flush and for smooth slider

operation.

6. OPERATING INSTRUCTIONS

Turning Lights On/Off:

Press the large paddle switch to turn the lights ON or OFF.

Adjusting Brightness:

Use the vertical slide control on the right side of the paddle switch to adjust the light intensity. Slide up for brighter light and down for dimmer light.

Memory Function:

The dimmer switch features a memory function. It will recall your last set brightness level when the lights are turned back on.

Minimum Brightness Adjustment:

The dimmer includes a sensitivity dial to set the minimum brightness level, preventing flickering at low settings.

1. **Step 1:** Turn the dimmer on and move the slide to the leftmost (lowest) setting.
2. **Step 2:** Rotate the sensitivity dial (located on the side of the switch, accessible when the wall plate is removed) clockwise to increase the minimum brightness, or counter-clockwise to decrease it.
3. **Step 3:** Adjust the dial slowly until the preferred lowest light level is achieved and the lights are not flickering.



Image: Instructions for adjusting the minimum brightness using the sensitivity dial to optimize dimming performance and prevent flickering.

7. MAINTENANCE

- **Cleaning:** To clean the dimmer switch and wall plate, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check the switch for any signs of damage or loose connections. If any issues are found, turn off power at the circuit breaker and consult a qualified electrician.

- **Bulb Compatibility:** Ensure that any new bulbs installed are dimmable and within the wattage limits of the dimmer switch.

8. TROUBLESHOOTING

Lights do not turn ON:

- Check the circuit breaker and ensure power is ON.
- Verify all wiring connections are secure.
- Ensure the bulb is working and properly installed.

Lights flicker or hum:

- Ensure the bulbs are dimmable.
- Adjust the minimum brightness setting using the sensitivity dial (refer to Section 6).
- Verify the total wattage of the bulbs does not exceed the dimmer's capacity.
- Check for loose wiring connections.

Dimmer switch is hot to the touch:

- This is normal for dimmers, especially when operating at higher loads. However, if it feels excessively hot, ensure the total wattage of the bulbs does not exceed the dimmer's capacity.
- Ensure proper ventilation around the switch.

Wall plate does not sit flush:

- Ensure the dimmer switch is level with the wall before installing the wall plate (refer to Section 5).
- Check if the electrical box depth is sufficient.

9. WARRANTY AND SUPPORT

Amico products are designed for reliability and performance. For warranty information, technical support, or assistance with your dimmer switch, please refer to the contact information provided on the product packaging or visit the official Amico website. Please retain your proof of purchase for warranty claims.