

Lutron AYF-103P-277-IV

Lutron AYF-103P-277-IV Lighting Dimmer Instruction Manual

Model: AYF-103P-277-IV

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Lutron AYF-103P-277-IV Lighting Dimmer. The Lutron Ariadni dimmer is designed to provide adjustable lighting levels for enhanced comfort and energy savings. This model is suitable for 3-way applications, allowing control of a single light from two different switch locations. It features a traditional toggle-style switch with a linear slider for precise light level adjustment.

IMPORTANT SAFETY INFORMATION

- **WARNING:** To avoid serious injury or death, always turn off power at the circuit breaker or fuse box before wiring.
- This product must be installed in accordance with all national and local electrical codes.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- For use with permanently installed fixtures with dimmable bulbs only.
- Do not use with non-dimmable bulbs or fixtures.

SETUP AND INSTALLATION

The Lutron AYF-103P-277-IV dimmer is designed for straightforward installation, typically taking around 15 minutes. A neutral wire is required for proper operation.

Before You Begin

1. **Turn off power:** Locate the circuit breaker or fuse box controlling the light fixture and turn off the power. Verify power is off by attempting to turn on the light.
2. **Identify wiring:** Carefully remove the existing wallplate and switch. Identify the line (hot), load, neutral, and ground wires. This dimmer supports single-pole or 3-way applications.
3. **Prepare wires:** Strip approximately 1/2 inch (12 mm) of insulation from each wire if necessary.

Wiring Instructions

Refer to the wiring diagram provided with your dimmer for specific connections. General steps are as follows:

- Connect the **green** ground wire from the dimmer to the bare copper or green ground wire in the wall box.
- Connect the **white** neutral wire from the dimmer to the neutral wire in the wall box (typically white).
- Connect the **black** line (hot) wire from the dimmer to the incoming power wire.
- Connect the **red** load wire from the dimmer to the wire going to the light fixture.
- For 3-way applications, connect the remaining traveler wire(s) as per the specific 3-way wiring diagram.



Image Description: This image shows the rear view of the Lutron AYF-103P-277-IV dimmer switch, highlighting the wiring terminals and labels. Text on the dimmer indicates "Up" for orientation, "For use with permanently installed fixtures with dimmable bulbs only," and "Assembled: Mexico." The various wire connection points are visible, including those for line, load, neutral, and ground, along with a UL listing mark.

Final Steps

1. Carefully push all wires back into the wall box.
2. Mount the dimmer to the wall box using the provided screws.

3. Attach a coordinating wallplate (sold separately).
4. Restore power at the circuit breaker.

OPERATING INSTRUCTIONS

The Lutron AYF-103P-277-IV dimmer features a toggle switch for on/off control and a linear slider for adjusting light levels.



Image Description: This image displays the front view of the Lutron AYF-103P-277-IV dimmer switch in an ivory finish. It features a traditional toggle switch at the bottom and a linear slider on the right side for adjusting light intensity. The Lutron logo is subtly embossed at the bottom of the switch plate.

- **Turning Lights On/Off:** Use the toggle switch at the bottom of the dimmer to turn the connected lights on or off. Pushing the toggle up turns the lights on, and pushing it down turns them off.
- **Adjusting Brightness:** Use the small linear slider located next to the toggle switch to adjust the brightness level. Move the slider up to increase brightness and down to decrease brightness.
- **Preset Level:** The toggle switch can also turn lights on to a preset level, which is determined by the position of the linear slider when the lights were last turned off.

MAINTENANCE

The Lutron AYF-103P-277-IV dimmer requires minimal maintenance.

- **Cleaning:** To clean the dimmer, wipe it with a soft, damp cloth. Do not use chemical cleaners or abrasive materials, as these can damage the finish.
- **Inspection:** Periodically check the dimmer and wallplate 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 all connected bulbs are dimmable and compatible with the dimmer's specifications (up to 1000 watts for hi-lume, hi-lume 3D, and ecosystem ballasts or hi-lume a-series LED drivers).

TROUBLESHOOTING

If your Lutron AYF-103P-277-IV dimmer is not functioning as expected, refer to the following common issues and solutions:

Problem	Possible Cause	Solution
Lights do not turn on.	• Power is off at the breaker. • Loose wiring connection. • Bulb is burned out or not dimmable.	• Check the circuit breaker and ensure power is on. • Turn off power, check all wiring connections, and re-secure if loose. • Replace the bulb with a known working, dimmable bulb.
Lights do not dim or flicker.	• Non-dimmable bulbs are installed. • Total wattage exceeds dimmer capacity. • Incompatible ballast/driver.	• Ensure all bulbs are specifically rated as dimmable. • Verify the total wattage of connected lights does not exceed 1000 watts. • Confirm that the connected ballasts or LED drivers are compatible with the dimmer.
Dimmer is warm to the touch.	• Normal operation. • Overload condition.	• Slight warmth during operation is normal. • If excessively hot, turn off power and check total wattage. Reduce load if necessary.

SPECIFICATIONS

Brand	Lutron
Model Number	AYF-103P-277-IV
Part Number	AYF-103P-277-IV
Color	Ivory

Material	Metal
Voltage	277 V
Wattage	1000 watts (for compatible ballasts/drivers)
Switch Type	3-way
Mounting Type	Wall Mount
Switch Style	Slide Switch, Toggle Switch
Product Dimensions	2.3 x 2.3 x 4.6 inches
Item Weight	4 ounces
Batteries Required?	No

WARRANTY INFORMATION

For detailed warranty information regarding your Lutron AYF-103P-277-IV Lighting Dimmer, please refer to the official warranty document.
[View Warranty \(PDF\)](#)

CUSTOMER SUPPORT

If you require further assistance or have questions not covered in this manual, please contact Lutron customer support.

- **Website:** www.lutron.com
- **Phone:** 800.523.9466

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question