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Lutron AYLV-600P-WH

Lutron Toggler Magnetic Low Voltage Dimmer Switch

Model: AYLV-600P-WH
Brand: Lutron

Introduction

The Lutron Toggler Magnetic Low Voltage Dimmer Switch, Model AYLV-600P-WH, is engineered to provide precise control over magnetic low-voltage lighting systems. This single-pole dimmer combines a traditional toggle switch for simple on/off functionality with a discreet slide control for smooth dimming. Its design allows for seamless integration into existing electrical setups, offering both convenience and energy efficiency for your lighting needs.

Safety Information

WARNING: To avoid serious injury or death, always turn off power at the circuit breaker or fuse box before installing or servicing this product. Improper installation can result in electric shock or fire. This device 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 standard incandescent, fluorescent, or LED bulbs unless specifically rated for magnetic low voltage dimming.
- Ensure all wire connections are secure and properly insulated.
- Do not exceed the maximum wattage or VA rating of the dimmer.

Specifications

Model Number	AYLV-600P-WH
Brand	Lutron
Color	White
Mounting Type	Wall Mount
Voltage	120 Volts AC, 60 Hz

Wattage (Magnetic Low Voltage)	Up to 450 Watts / 600 Volt Amps
Operation Mode	Off, Slide Dimmer, Toggle
Switch Style	Slide Switch, Toggle Switch
Connector Type	Quick Connect
Product Dimensions	4.1 x 2.1 x 2.1 inches
Item Weight	2.4 ounces

Setup and Installation

Before beginning installation, ensure you have the necessary tools, including a screwdriver, wire strippers, and electrical tape. For detailed wiring diagrams and step-by-step instructions, please refer to the official Lutron Installation Manual PDF available online or included with your product. A link to the manual is often found on the product's Amazon page under 'Product guides and documents'.

Pre-Installation Steps:

1. **Turn Off Power:** Locate the circuit breaker or fuse box that controls the lighting circuit you will be working on. Turn off the power completely to avoid electrical shock. Verify power is off using a voltage tester.
2. **Remove Existing Switch:** Carefully remove the wall plate and unscrew the existing switch from the electrical box. Disconnect the wires from the old switch, noting their connections.

Wiring the Dimmer:

The Lutron Toggler dimmer is designed for single-pole applications. It typically has two wires for the load/line connections and a ground wire. Connect the wires from your electrical box to the dimmer's terminals. This dimmer features quick-connect terminals for ease of installation, in addition to screw terminals.

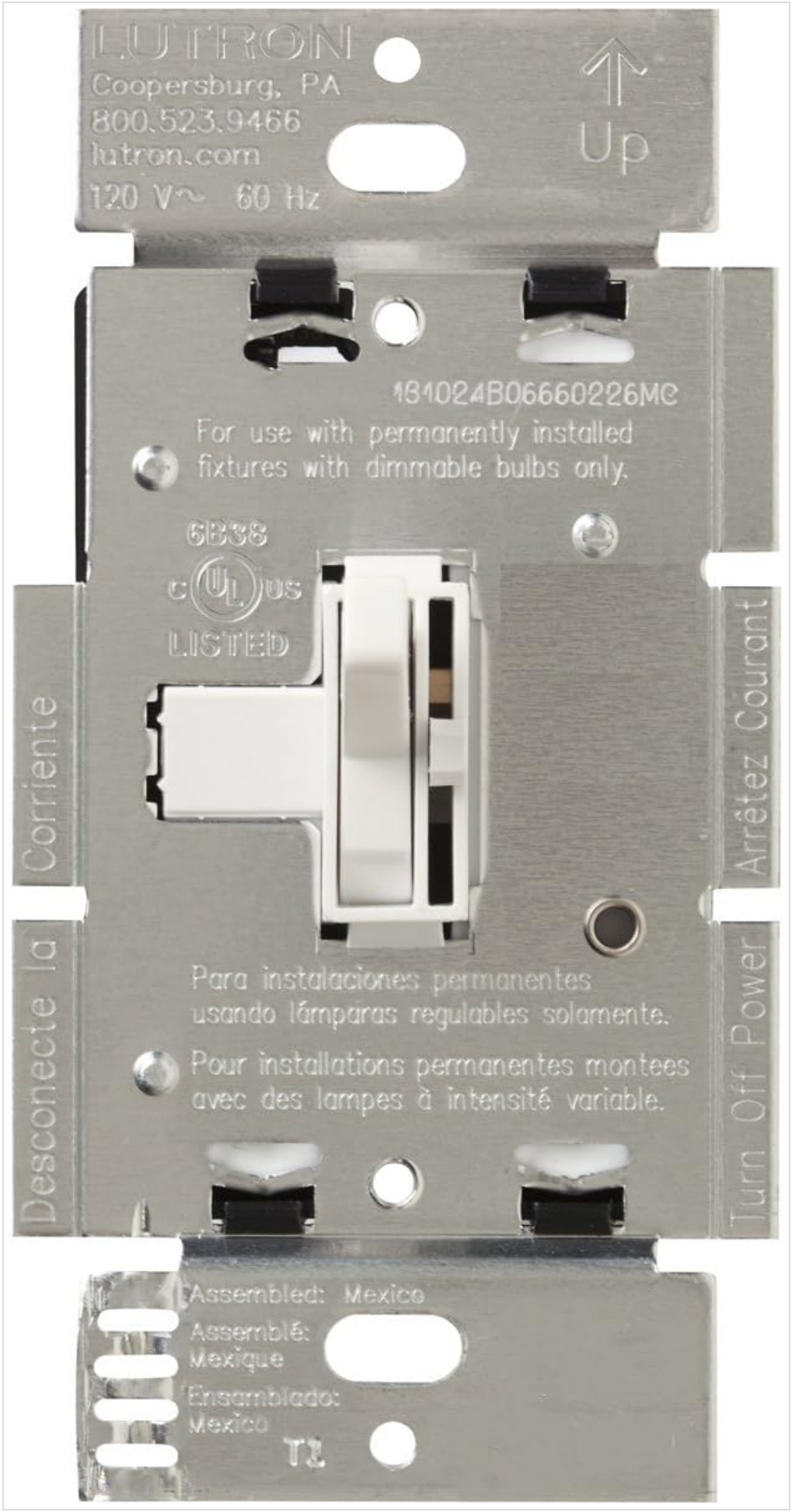


Image Description: This image displays the back of the Lutron Toggler Dimmer Switch, highlighting its metal mounting bracket and the wiring terminals. Visible markings include "LUTRON", "120 V~ 60 Hz", and instructions for use with dimmable bulbs only. The quick-connect holes and screw terminals are clearly shown, along with the UL Listed certification.

1. **Ground Wire:** Connect the bare copper or green insulated ground wire from the electrical box to the green ground screw on the dimmer.
2. **Line/Load Wires:** Connect the line (incoming power) and load (to light fixture) wires to the dimmer's terminals. The dimmer is non-polarized, so either wire can connect to either terminal.
3. **Secure Connections:** Ensure all connections are tight and secure. Use electrical tape to cover any exposed wire.

Final Installation:

1. Carefully push the wired dimmer into the electrical box.
2. Screw the dimmer to the electrical box using the provided screws.
3. Attach the wall plate (sold separately) over the dimmer.
4. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

Operating Instructions

The Lutron Toggler dimmer provides intuitive control over your lighting.



Image Description: This image shows the front face of the white Lutron Toggler Dimmer Switch. It features a prominent toggle switch for on/off control and a smaller, vertical slide control to adjust the light intensity. The Lutron logo is subtly embossed at the bottom.

- **Turning Lights On/Off:** Use the large toggle switch to turn the lights on or off. When turned on, the lights will return to the preset brightness level set by the slide dimmer.
- **Dimming/Brightening Lights:** Use the small slide control located next to the toggle switch. Move the slider up to brighten the lights and down to dim them. Adjust to your desired light level.

Maintenance

The Lutron Toggler dimmer is designed for long-lasting performance with minimal maintenance. To clean the dimmer and wall plate, simply wipe with a soft, damp cloth. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish or internal components. Ensure the power is off before cleaning.

Troubleshooting

Problem	Possible Cause	Solution
Lights do not turn on or off.	No power to the dimmer; loose wiring; faulty bulb.	Check circuit breaker. Verify all wire connections are secure. Replace bulb.
Lights do not dim or flicker.	Incompatible bulbs; dimmer overloaded; loose wiring.	Ensure bulbs are dimmable magnetic low voltage type. Check total wattage/VA of bulbs does not exceed dimmer's rating. Inspect wiring connections.
Buzzing noise from dimmer or lights.	Incompatible transformer/driver; electrical interference.	Ensure your low voltage transformer/driver is compatible with magnetic dimmers. Some LED bulbs with magnetic low voltage transformers may still produce a slight buzz; consider trying different brands of bulbs or transformers.
Dimmer feels warm.	Normal operation; dimmer overloaded.	It is normal for dimmers to feel warm during operation. If it is excessively hot, turn off power and check that the total load does not exceed the dimmer's maximum rating.

Warranty

Lutron provides a **1-year limited warranty** on materials and manufacture for the AYLV-600P-WH dimmer switch. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, or to make a warranty claim, please refer to the warranty documentation included with your product or visit the official Lutron website.

Support

For further assistance, technical support, or product inquiries, please contact Lutron customer service. You can find contact information and additional resources on the official Lutron website. Lutron also offers a comprehensive online knowledge base and FAQs to help with common questions and issues.
Visit the Lutron Store on Amazon for more products and information.

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