2-in-1 LED Driver + Dimmer Switch

Installation Instructions

Accessories

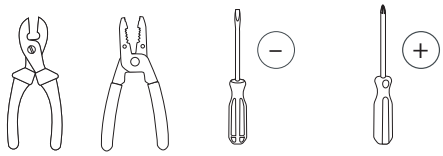
3 YEAR WARRANTY

SAFETY & WARNINGS

- Install in accordance with national and local electrical code regulations.
- This product is intended to be installed and serviced by a qualified, licensed electrician.
- Only use copper wiring. Use wires rated for at least 194°F (90°C) and certified for use with external connection of electrical equipment.
- Ensure applicable wire is installed between driver, fixture, and any controls in-between. When choosing wire, factor in voltage drop, amperage rating, and type (in-wall rated, wet location rated, etc.). Inadequate wire installation could overheat wires, and cause fire.
- Do not install in environment where excessive heat may exist (close proximity to fireplace, etc.)
- Do not modify product beyond instructions or warranty will be void.
- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Regarding LED driver load types where the driver meets the harmonic emissions requirements of ANSI C82.77

* The switch face is not replaceable

Tools Needed



Pliers | Wire Strippers | Flat head Screwdriver | #1 Phillips Screwdriver

Accessories Included



2-in-1 LED Driver+Dimmer



Barrier A



Barrier B



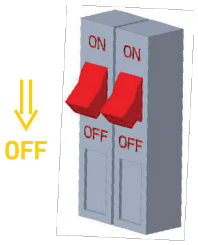
Mounting Screws (2)



Wire Nuts (8)

Prior to Installation

NOTE: it is recommended to use an End Cap at each connection point not being reconnected.

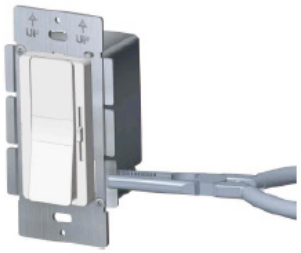


1. Turn power off at circuit breaker prior to installation and determine the location to install the LED Driver + Dimmer Switch.

2. Remove existing switch on wall (if necessary). Remove trim plate and switch mounting screws, and pull switch from wall. Identify wires connected to switch and disconnect.

Adapt 2-in-1 LED Driver + Dimmer (if necessary)

NOTE: Zero load derating. Unlike standard high voltage AC controls, removing the fins does not reduce the driver's maximum wattage rating.





1. It is required to break off dimmer fins when gaging multiple dimmers in the same wall box. Grip with pliers; bend back and forth until fin breaks.

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Attach Voltage Barrier

NOTE: NEC CODE E725.136

Class 1 and Class 2 circuits in same enclosure must be separated by a barrier unless Class 2 circuit conductors are installed in accordance with 725.41 Class 1 circuits. For example, Non-Metallic (NM) cable is considered a Class 1 circuit conductor. Therefore, if both high voltage and low voltage circuits are installed with NM cable then the voltage barrier is not required for installation.



Barrier A
Separates high voltage and low voltage spaces.

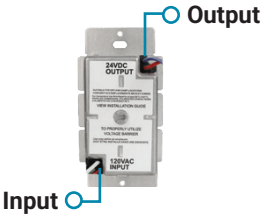


Barrier B
Rotatable, changes the direction of input and output lines, better utilizes space, and facilitates wiring and installation.

Barrier A Installation Method







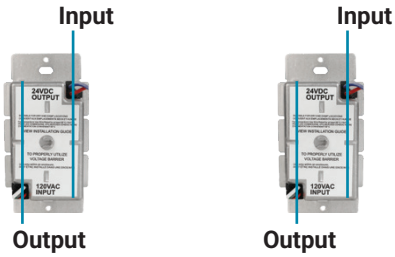
1. Align Barrier A with the opening of the rotating column on the bottom shell.

2. Push it in the direction of the arrow until the buckle is stuck on the outer wall of the rotating column.

3. The isolation plate can rotate left and right by a certain angle to adjust the space of the high and low voltage zones.

Barrier B Installation Method





1. Align Barrier B with the opening of the rotating column on the bottom shell. Push it in the direction of the arrow until the buckle is stuck on the outer wall of the rotating column.

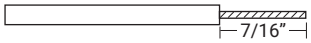
2. Barrier B is designed to meet the requirements of different input lines in different regions and positions. It can be rotated to achieve the wiring of input lines above and below.

Note: Barrier A and Barrier B can be shortened to fit shallow wall boxes. For extra shallow wall boxes, tuck the wires on top and bottom sides of dimmer housing.

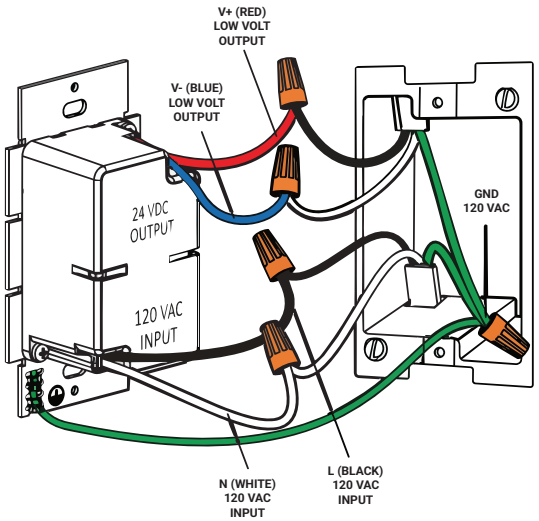
Special Wiring Instructions and Troubleshooting

LED Driver + Dimmer requires unique wiring steps. Read thoroughly.

- Strip wires 7/16” on dimmer



- Ensure main power is OFF



Troubleshooting

Issue	Common Cause
Fixture doesn’t illuminate	• Incorrect wiring. Polarity of low voltage V+ and V- are reversed.
• Different fixtures do not dim in sync. • Fixture turns off at low dim level. • Fixture strobes/flickers at low dim level. • Dimmer buzzes excessively	• Only install 24-volt LED lighting products. NOTE: this product does not work properly with 12-volt products.
Fixture heats up excessively.	• Incorrect voltage pairing of dimmer and fixture. Do not attach a 12V fixture to a 24V dimmer. • Fixture is not compatible.

2-in-1 LED Driver + Dimmer Switch

Installation Instructions

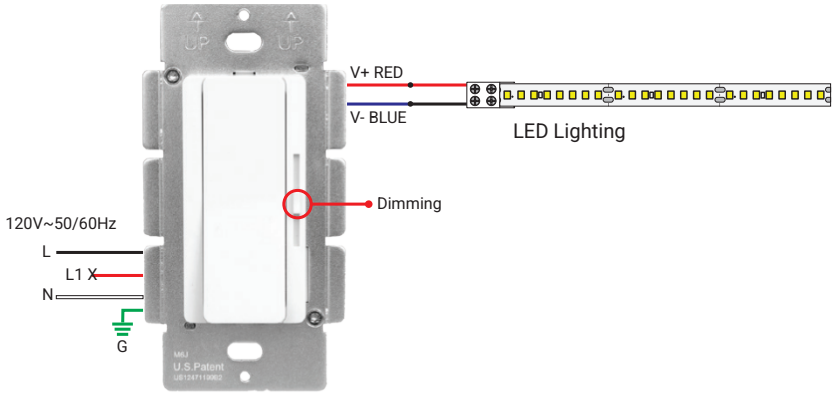
Accessories

3 YEAR WARRANTY

Wiring Diagram Examples

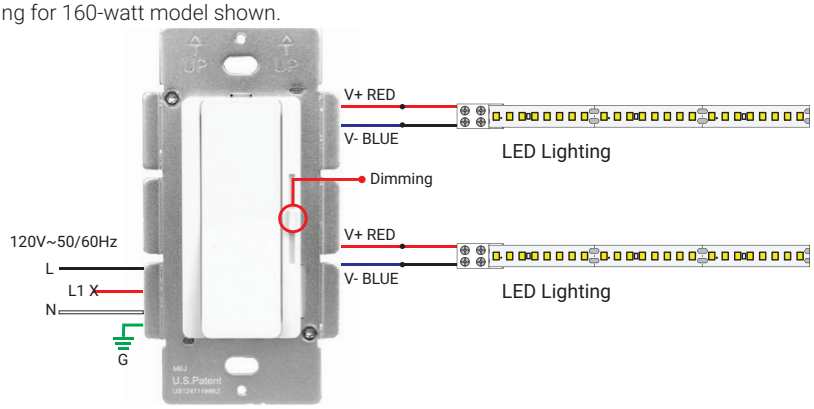
Wiring Diagram for Single-Channel model for Single-White LED Lighting Products

Note: Wiring for 60-watt and 96-watt models shown.



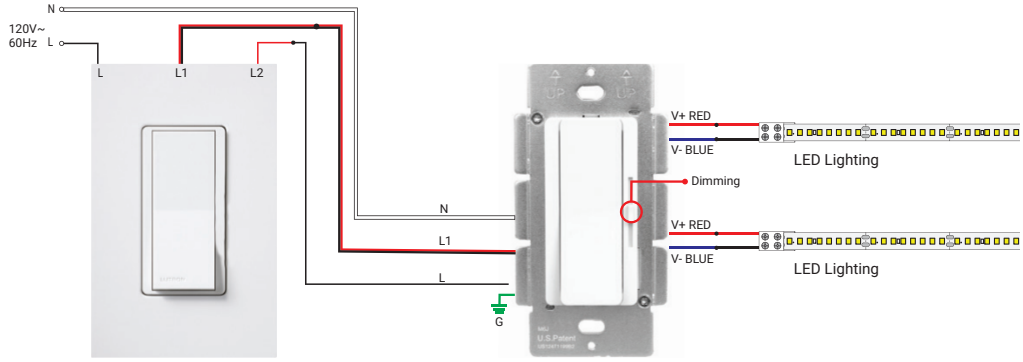
Wiring Diagram for Single-Channel model for Two Single-White LED Lighting Products

Note: Wiring for 160-watt model shown.



Wiring Diagram for 3-Way circuit model for Single-White LED Lighting Products

Note: Wiring for 160-watt product shown, wiring for 60-watt and 96-watt models are similar.



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