



Wiring Method for Super Dimming Module

Article Overview

The Super Dimming Control Module should be wired using 1.5 mm² solid or stranded wires, connecting mains input to L and N terminals, output to L and N terminals, and low-voltage dimming outputs to + and - terminals, following push-type terminal instructions and safety precautions.

Wire Preparation and Terminal Connection

- o Wire Type: Use 1.5 mm² solid or stranded conductor wires. Ensure stranded wires are free of burrs or barbs to prevent terminal jamming .
- o Stripping: Strip 6-8 mm of insulation from the wire ends before insertion .
- o Push-Type Terminals: Insert wires straight into the terminal and press the button on top to lock them securely. To release, press the button and gently pull the wire out .

Input and Output Connections

- o Mains Input: Connect live (L) and neutral (N) wires to the input terminals marked with L and N, with an arrow pointing inward .
- o Mains Output: Connect L and N wires to the output terminals marked with L and N, with an arrow pointing outward .
- o Low-Voltage Dimming Output: Connect the dimming control wires to the terminals marked + and - for 0-10V or compatible dimming signals .

Safety and Installation Tips

- o Power Off: Always turn off the power before wiring or releasing wires .
- o Wire Alignment: Keep wires parallel to the terminal port to avoid excessive force and potential damage .
- o Load Considerations: Do not exceed the maximum output power to prevent overheating .
- o Compatibility: The module supports DIM, CT, and RGB lights, and can convert Bluetooth signals to DALI protocol for expanded applications .

Additional Features

- o Wireless Control: The module can be controlled via Bluetooth 5.0 SIG Mesh using a smartphone or tablet app, supporting up to 64 addresses, 16 groups, and scenes .
- o Local Scene Execution: Scenes can be executed locally without an Internet connection or gateway, ensuring fast and stable operation .
- o Maintenance: Only qualified electricians should perform maintenance or configuration changes, and all



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work should be done with the power off . Following these instructions ensures safe and reliable operation of the Super Dimming Control Module while maintaining compatibility with both wired and wireless lighting control systems.

Learn how to properly wire a 0-10v dimmer switch in your home or office. Follow step-by-step instructions for safe and effective

A Dimmer Module S1 connection diagram is a useful tool for wiring a dimmer switch. The diagram consists of several

Discover the comprehensive user manual for CG-D-PRO DALI Master Super Dimming Module, providing detailed instructions for

Wireless Dimming No need for physical wiring between the controller and module, making it easy to install. Supports wall plates,

Make wires parallel to the wire port, then insert wires into the corresponding terminal until wires are locked. Release

Learn how to properly install and pair the PPA401S Wireless Dimming System by reading its user manual. This guide

In this tutorial, this Lutron RA2 Select 0-10V RF Dimming Module will be wired to a 1901

Learn how to wire a DSI dimming system with this detailed wiring diagram. Understand the connections and setup process for

Learn how to use the LED Dimmer with detailed documentation, including pinouts, usage guides, and example projects. Perfect for

Learn how to use the AC Dimmer Lamp Module with detailed documentation, including pinouts, usage guides, and example projects.

Connect wires: Turn off the power before connecting wires. Make wires parallel to the wire port, then insert wires into the

TRIAC dimming can achieve both leading-edge dimming and trailing-edge dimming, depending on the design and the

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Dimming Dimming is the process of controlling the amount of electrical power supplied to a light source. The four most popular

In modern lighting projects, dimming has become a critical element for enhancing spatial ambiance and energy

This guide is designed to be a complete resource for all technical aspects of Lutron fluorescent dimming systems. The technical

Learn how to wire a 0-10v dimmer with our comprehensive wiring diagram guide. Control your lighting

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