

What are the uses of a super dimming module

Article Overview

The super dimming module can be used to control DIM, CT, and RGB lights via DALI or Bluetooth, supporting individual, group, and scene-based lighting control.

Installation and Wiring

- o Power Off: Always turn off the power before connecting or releasing wires to prevent damage or injury .
- o Wire Connection: Use single-strand or thin multi-strand wires with insulated ferrules. Insert wires parallel to the terminal and push until locked. Avoid wires that are too thick, as they can damage terminals .
- o Wire Release: Press and hold the button on top of the terminal and gently pull the wire out .
- o DALI Bus Connection: Connect the module to the DALI bus power supply and ensure proper wiring according to the wiring diagram.

Device Setup

- o App Selection: Open the controlling app, select "Smart module" -> "Super dimming module" .
- o Bluetooth Pairing: Ensure the device is not connected to the network, then click "Search via Bluetooth" and follow prompts to add the device .
- o Address Configuration: Confirm that DALI driver addresses are unique. Turn on the drivers and click "Search address" to assign addresses successfully .

Control Methods

- o DALI Address Control: In the app's Groups & Addresses interface, select individual address cards (0-63) to control each light separately .
- o DALI Group Control: Assign lights to groups (0-15) via the Manage the addresses of group lights option. This allows simultaneous control of multiple lights .
- o DALI Scene Control: In the DALI scenes interface, configure up to 64 lights and 16 groups as actions. Save and edit actions via long-press or the settings page for quick adjustments .

Additional Features

- o Local Scenes: Scenes can execute without Internet or a gateway, providing faster and more stable control .
- o Compatibility: Supports DIM, CT, and RGB lights, and can merge Bluetooth and DALI protocols for expanded applications .
- o Safety Tips: Avoid excessive force on terminals, ensure proper wire diameter, and press terminals vertically downward when connecting wires . By following these steps, you can efficiently install, configure, and operate the super dimming module for precise lighting control in both individual and group settings.

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

LED dimming is a cool trick that makes your lights brighter or dimmer without using extra energy. It's done with

Consider a smart relay instead of a TRIAC dimmer: With smart LED bulbs or smart drivers,

Dimming isn't merely a convenience; it's a key factor in energy efficiency and ambiance control. This in-depth guide explores the

Dive in to LED dimming with this complete guide covering forward and reverse phase, PWM, and 0-10V dimming.

LED dimming involves the adjustment of LED brightness to enable users to manage light levels while also conserving

It is designed to integrate DALI lighting systems with Bluetooth 5.0 SIG Mesh technology, offering advanced control and flexibility for

Introduction In the evolving world of LED lighting, achieving the perfect ambiance often hinges on one crucial feature:

PWM dimming, or Pulse Width Modulation dimming, is a method of controlling the brightness

The Workflow: A typical dimming system works like this: Dimmer (Controller) sends a command using a protocol (e.g., "set to 50%")

The level of dimming achievable depends on the type of control gear used typical dimming levels are 1% however

These modules deliver a dimming output of up to 300 VA, 500 VA and 1000 VA respectively. What's more, the dimming output can

Provide multiple options for selecting dimming parameters to meet requirements of smart dimming and color control

The different types of lighting controls like dimming controls, addressable controls and relay-based systems,

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can be

Learn the benefits of LED dimming controls, LED light bulbs standardization and common dimming FAQs in our guide

Dimming can be used for a variety of purposes, such as reducing energy consumption, creating different lighting effects, or extending

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