DALI SINGLE CHANNEL CONTROLLER DINrail MOUNT

SD.DGD6401.1

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Product Description

Product Overview :-

Model Number: SD.DGD6401.1

Description: The Wi-Fi-enabled DALI Single Channel Gateway provides wireless configuration, operation, and monitoring of DALI lighting systems, supporting up to 64 devices on a single bus. It allows seamless integration with building automation systems, offering advanced features like dimming control, scene management, and real-time status monitoring, all accessible from smartphones, tablets, or computers, making it a flexible and scalable solution for various environments.

Product Features :-

- Supports up to 64 DALI dimmable lights for precise lighting control.
- Allows configuration of up to 16 lighting groups and 16 scenes.
- Compatible with both DALI 1 and DALI 2 standards for enhanced flexibility.
- Simplifies setup with automatic addressing of DALI ballasts.
- Designed for easy and quick replacement of DALI ballasts.
- Supports DT6 and DT8 for advanced color and brightness control.
- Offers customizable time delay in switching and light fade times.
- Ensures secure and reliable commissioning of lighting systems.
- Provides an all ON/OFF function to check lighting from the DALI controller.
- Supports up to 64 schedules for controlling individual ballasts and groups.

Technical Details

Technical Specification:-

Operating voltage	110-240 VAC
Frequency	50-60Hz
DALI voltage	16VDC
Power consumption	0.15W
DALI supply	16V DC, 240mA
Ambient Temperature	−5°C to +45°C
Storage Temperature	25°C to +55°C
Transport Temperature	−25°C to +70°C
Humidity	95% no moisture condensation
Color	White
Warranty	5 years

Installation

- Before installation, switch off the main power and confirm all safety precautions.

- Securely mount the gateway on a 35mm DIN rail.

- Connect power input wires (100-240V AC) to the designated terminals (L and N).

- Connect DALI Bus wires to D+ and D- terminals.

- Confirm gateway is powered by checking the LED indicators and verify approx. 16V DC present on the DALI bus.

- Use the SmartNode Application to scan, assign addresses, and configure groups.

Safety & Warnings:-

- Installation by licensed electrician only.

- DO NOT install with power applied to device.

- DO NOT expose the device to moisture.

- No user-serviceable parts; servicing voids warranty.

Wiring Diagram:-

DALI Bus

Max. 64 Drivers

N

L

230 VAC