DALI DUAL CHANNEL GATEWAY
DINrail MOUNT

SD.DGD6402.1

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Product Description

Product Overview :-

Model Number: SD.DGD6402.1

Description: The Wi-Fi-enabled DALI Dual Channel Gateway enables wireless configuration, operation, and monitoring of DALI lighting systems. It supports up to a total 128 devices across two DALI channels.

Application:

- Smart lighting control in residential and commercial buildings.
- Hospitality and hotel room automation.
- Scene-based lighting setups in offices and conference rooms.

Product Features :-

- Configures up to 32 lighting groups and 32 scenes (16 via DALI bus1 and 16 via DALI bus2).
- Supports creation of unlimited DALI lighting scenes via the SmartNode application.
- Compatible with both DALI-1 and DALI-2 standards for enhanced flexibility.
- Simplifies setup with automatic addressing of DALI ballasts.
- Designed for quick and easy replacement of DALI ballasts.
- Supports DT6 and DT8 for advanced color and brightness control.
- Offers customizable switching delays and light fade times.
- Ensures secure and reliable commissioning of lighting systems.
- Includes all ON/OFF function to check lighting from the DALI controller.
- Supports up to 64 schedules for controlling individual ballasts and groups.

Product Benefits :-

- Real-time status monitoring via the Smart Node application.

Technical Details

Technical Specification:-

Operating Voltage	240 VAC
Rated Operational voltage Ue	110/240V
Frequency	50-60 Hz
DC DALI voltage	16 VDC
Power Consumed	0.15W
External DALI supply*	16V DC, 240mA
Dimensions (l x b x h)	60 x 53.6 x 89.5
Assembling height as from DINrail	51 mm
Width of rail mounted device (RMD)	3 M
Weight	121.4 g
Storage/Transport Temp	25°C to + 55°C
Color (Housing)	Light grey
Flammability rating according to UL 94	V0
Housing Material	Polycarbonate
Technology	WiFi 2.4GHz 802.11 b/g/n
Warranty	5 years

Installation

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

- Securely attach the gateway to a 35mm DIN rail.

- Connect the 240V AC phase wire to the L terminal and the neutral wire to the N terminal.

- Connect the DALI bus wires as follows: use D1+ and D1− for the first DALI channel, and D2+ and D2− for the second DALI channel.

- Verify LED indicators and confirm ~16V DC on the bus.

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

Safety Information:-

- DO NOT install with power applied to the device.

- DO NOT expose the device to moisture.

- Verify input voltage compatibility with the device.

- Secure and label wiring for easy maintenance.

Wiring Diagram:-