# DALI SINGLE CHANNEL CONTROLLER FLUSH MOUNT

## SD.DGF6401.2



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# Product Description

## Product Overview :-

**Model Number**: SD.DGF6401.2

**Description**: The Smart Node DALI Flush Mount Device brings advanced DALI lighting technology to your smart home. It can manage up to 64 individual ballasts, 16 groups, and 16 customizable scenes. Easily configure and operate your lighting through the Smart Node mobile app and web application, giving you complete control over your lighting setup. This flush mount variant is designed to be fitted behind a switchboard and comes without a DALI power supply.

**Application**: Ideal for seamless DALI lighting automation in homes, offices, hotels, and commercial spaces.

## Product Features :-

- Support DALI commissioning and setup remotely.
- Supports lighting configuration features like smooth dimming, threshold adjustment, etc. through remote access.
- Allows group assignment and scene setup from the application.
- Support brightness, temperature and RGBW control.
- Configures Individual ballasts, groups and scenes remotely.
- Compatible with 4S(DALI) & 8S(DALI) touch panels, directly connected to the DALI Flush Mount devices.
- Provides real-time load state and dimming feedback on the touch interface.
- Support for short press and long press:
    1. Short press - On, Off and toggle
    2. Long press - Individual or grouped dimming up/down from a single switch function.

## Product Benefits :-

- Easily reconfigure lighting groups and scenes without rewiring.

- Energy efficiency by automatic switching based on schedules.

## **Technical Details**

## **Technical Specification:-**

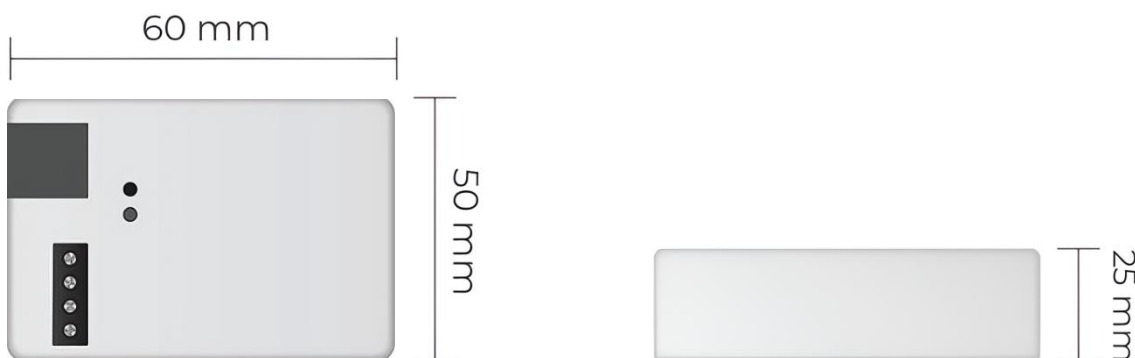| | |
|---|---|
| Main Supply (Voltage Power) | 85-300VAC |
| Frequency | 50-60Hz |
| Max. Power consumption | 3W |
| Current consumption | 100mA @85VAC |
| DALI Supply | 16V DC typical Max. 90mA |
| Type of connection | DALI bus terminal |
| Ambient Temperature Range | - 5°C to +45°C |
| Storage Temperature | - 25°C to + 55°C |
| Transport Temperature | -25°C to +70°C |
| Humidity | 95% no moisture condensation |
| Color | White |
| Communication Protocol | Wi-Fi 2.4 GHz 802.11 b/g/n |
| Warranty | 5 years |

# Installation

- Mount the DALI flush mount securely inside the switchboard or designated enclosure.

- Connect the DALI bus wires, ensuring proper polarity and secure connections.

- Connect the power supply and verify the input voltage is within the specified range.

- Configure the flush mount with WIFI and add in the Smart Node application.

- Assign groups, scenes, and dimming settings as per requirements.

- Test all connected fixtures for proper operation and real-time feedback.

- Finalize installation by securing all connections and verifying system stability.

## 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

## Dimensions:-

60 mm

50 mm

25 mm

## Wiring Diagram:-



DALI Bus

64 Devices

ON/OFF
Prog

D2
D1
N
Ph

N
L