

DALI Panel

DALI Panel Lighting Controls

Date: _____

Quantity: _____

Company: _____

Project: _____



The DALI Panel simplifies deploying DALI-based lighting controls using Encelium X Networked Light Management System.

DALI Panel consists of 1 Encelium X Wired Manager and 8 DALI bridges that enable control of up to 512 DALI based LED drivers and up to 288 GreenBus devices.

DALI Panel also contains a Sensor Interface Module (SIM) that can be used for fire alarm system integration.

Key Features & Benefits

- The DALI Panel includes:
 - 1 Wired Manager with power supply
 - 8 DALI Bridges
 - 2 DALI Bridge power supplies
 - 1 Sensor Interface Module for fire alarm system integration
 - 1 Terminal Block for hardwire connections
- Enables the Encelium system to communicate with DALI devices
- Each DALI Bridge channel can control 64 DALI Drivers and 36 GreenBus devices
- Works with:
 - Encelium X
 - Encelium Extend

Specifications

SENSING AND CONTROL

Maximum Number of Drivers

- 64 DALI LED Drivers per DALI Bridge

Control Compatibilities

- Compatible with DALI-compliant LED Drivers

ELECTRICAL

External Power Supply

- 100 – 240 VAC, 50/60 Hz, 1.8A (hardwire connection)

DALI Output

- 24V, 250 mA maximum

ENVIRONMENTAL

Operating Temperature

- 32° – 122°F (0° – 50°C)

PHYSICAL

Dimensions (H x W x D)

- 24 x 18 x 6 inch (610 x 457 x 152 mm)

Weight

- 52 lb (23.6 kg)

WARRANTY

- For warranty details, refer to full warranty documentation at www.encelium.com

CERTIFICATIONS & SAFETY

Approbations

- QPS special inspection to applicable CA and UL standards

Environmental Suitability

- Dry, Indoor Locations Only¹

Complies with Electromagnetic Compatibility (EMC) Standards:

- EN 61000-4-2
- EN 61000-4-4
- EN 61000-4-5

Ordering Information

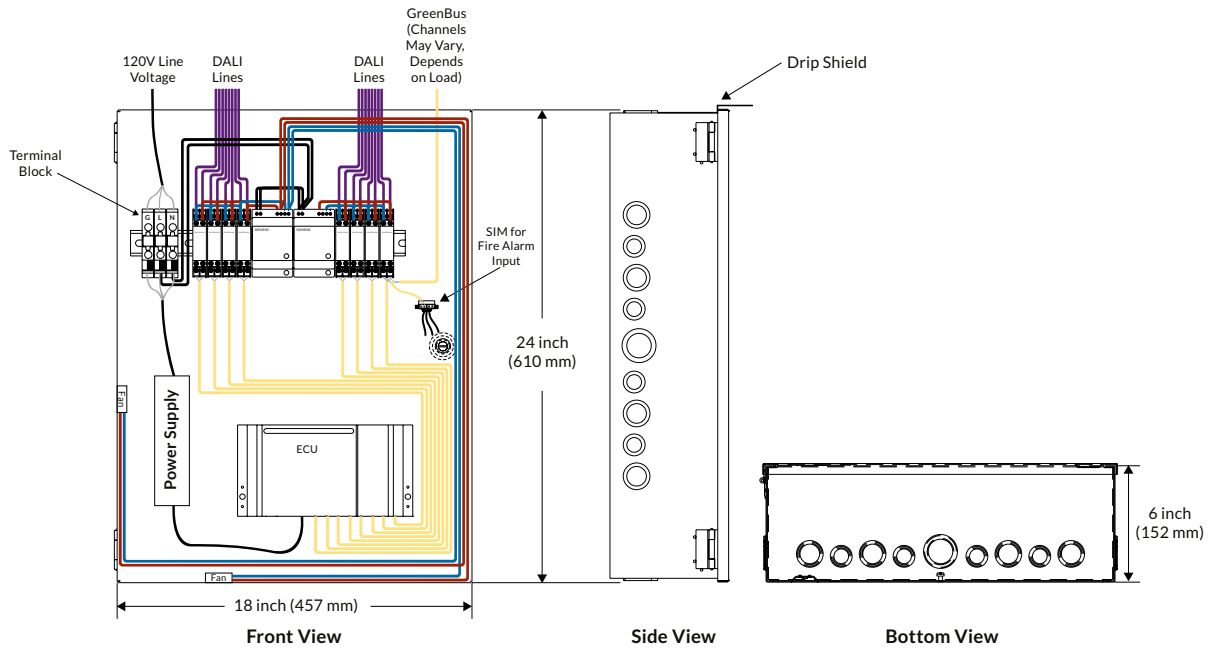
| Item Number | Ordering Code | Description | Communication Network |
|-------------|---------------|-------------|-----------------------|
| 56350 | ECU-DALI-ENC | DALI Panel | GreenBus and DALI |

Footnotes:

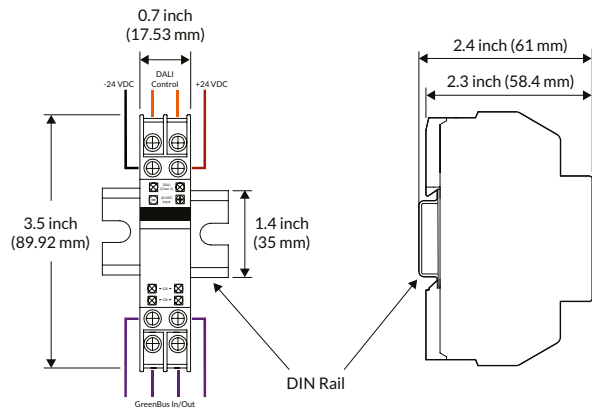
¹ Install in accordance with all applicable national and local electrical and building codes.

Dimensions & Wiring

DALI Panel



DALI Bridge



DALI Bridge Wiring Information

| Function | Wire Color | Wire Gauge |
|--------------------------|------------|-----------------------------------|
| Encelium GreenBus In/Out | Violet | 18 AWG (GB) |
| Encelium GreenBus In/Out | Violet | 18 AWG (GB) |
| 24 VDC Input | — | As per Power Supply Specification |
| DALI Control | — | As per DALI Specification |

