Wired Manager — DALI

Encelium X DALI Controller

Date: _____

Quantity: _____

Company: _____

Project: _____

Works with

- Encelium X
  - ▸ DALI Wired

Key Features & Benefits

The Encelium X **Wired Manager — DALI** provides individual control of lighting, allowing you to schedule, allocate, and manage light in a resource-efficient and practical way.

The Wired Manager — DALI provides daylight-dependent and presence-dependent control of lighting, along with intelligent scheduling, task-related lighting, variable load distribution, real-time light control, analysis of energy consumption, and lamp failure indication.

The Wired Manager — DALI is convenient to use. It makes remote maintenance possible via web access and provides comprehensive DALI lighting control that is easily integrated into building management systems.

- Enables the scaling of system implementations of any size

- Hybrid System — can be combined with the Encelium Wireless Manager to allow a wired and wireless system design

- Controls up to 256 DALI inputs and outputs per manager

- Supports the latest version of the DALI protocol

- LED function status displays for power, DALI line, errors, and more

- Installation mode setting allows select function testing of each DALI channel

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Wired Manager — DALI Specifications

SENSING AND CONTROL

Control
- DALI Communication

Control Options
- Manual Channel Control – On/Off/Dimming
- DALI standard (IEC 62386)
- 2X Ethernet Port, RJ45 connections
- Built-in network switch for daisy-chaining
- 4x DALI Channel up to 64 DALI luminaires and 64 Input Devices (subject to current limits)

LED Displays
- Power
- 4X DALI line status LED
- Manual
- Error
- Online
- Ethernet IN and OUT

ELECTRICAL

Power Consumption
- 22 W maximum
- Power Up Time – 20 sec

Input Voltage
- 24 VDC

DALI Output
- 4X DALI Channels[1], 220 mA; current limit per DALI line must not be exceeded

ENVIRONMENTAL

Operating Temperature
- 0° to 40°C (32° to 104°F)

PHYSICAL

Dimensions (H x W x D)
- 63 x 160 x 90 mm (2.5 x 6.3 x 3.5 inches)

Weight
- 350 g (12.3 oz)

Housing Color
- Gray

Housing Material
- Plastic

Mounting Option
- DIN Rail Mount

Cable Wires
- Stranded – Ø 0.5 to 1.5 mm^2
- Solid – Ø 0.5 to 2.5 mm^2

WARRANTY
- Standard warranty is in effect for a period of five (5) years from the date of shipment.[3]

CERTIFICATIONS & SAFETY

Approbations
- CE, UK CA, UL[4]
- DALI 2[2] – IEC62386 Parts 101,103

Electrical
- Type 1.C Action
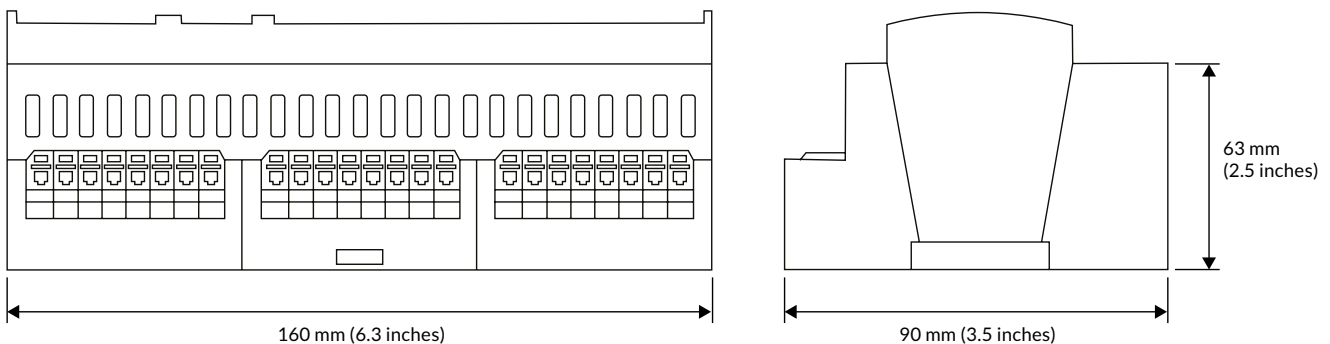- Impulse Voltage – 330V

Environmental Suitability
- IP20, Indoor
- Pollution Degree – 2

Complies with Electromagnetic Compatibility (EMC) Standards:
- EN 55022 (Emission)
- EN 55024
- EN 50581 (Hazardous Substances)
- EN 60950 (Safety)
- EN 61000

Dimensions

160 mm (6.3 inches)

90 mm (3.5 inches)

63 mm (2.5 inches)

Footnote:

[1] Maximum wire length 300 m (984 ft).

[2] This device does not support identification by means of an LED, buzzer, or other emitter

[3] This does not apply to: (1) damage caused by accident, mishandling, or dropping; (2) materials which have been subject to unauthorized repair; (3) materials not used in accordance with instructions; (4) ordinary wear and tear.

[4] Purpose of Control: Electronic Lighting Control (non-safety related).

DALI Power Supply Specifications

ELECTRICAL

Power Supply Input
- 100 to 240 VAC, 50/60 Hz, 0.7A @ 120V / 0.35A @ 230V

Power Supply Output
- 24V, 1.3A

ENVIRONMENTAL

Operating Temperature
- 20° to 70°C (68° to 158°F)

PHYSICAL

Dimensions (H x W x D)
- 57.5 x 90 x 54 mm (2.3 x 3.5 x 2.12 inches)

Weight
- 0.17 kg (6 oz)

Housing Color
- Gray

Housing Material
- Plastic
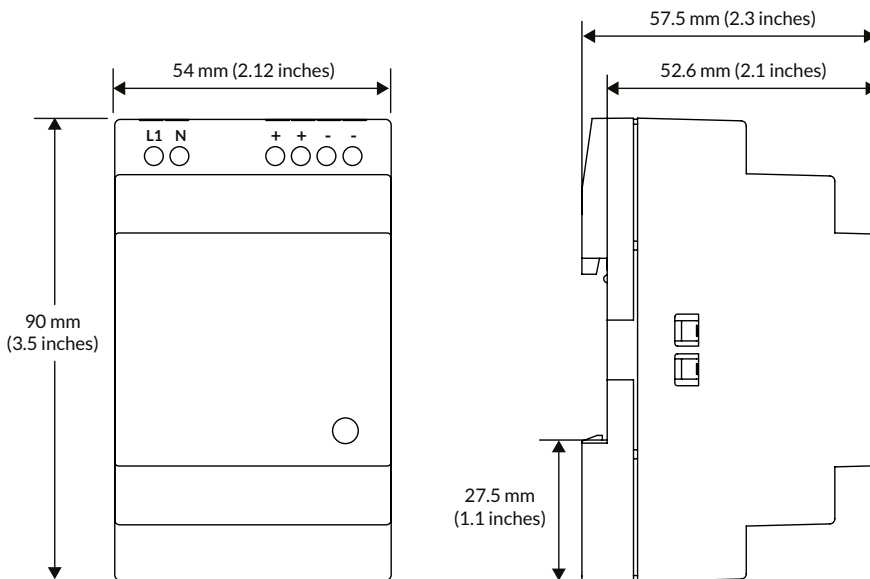
Mounting Option
- DIN Rail Mount

CERTIFICATIONS & SAFETY

Approbations
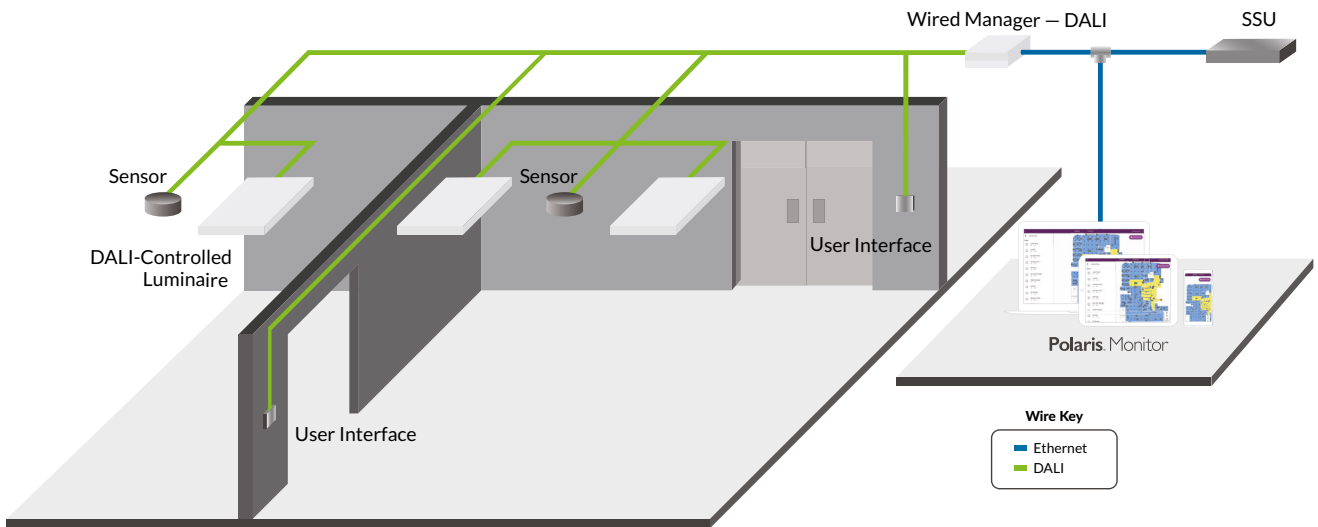- cUL/UL Listed
- CE
- CSA
- NEC Class 2

Dimensions

Ordering Information

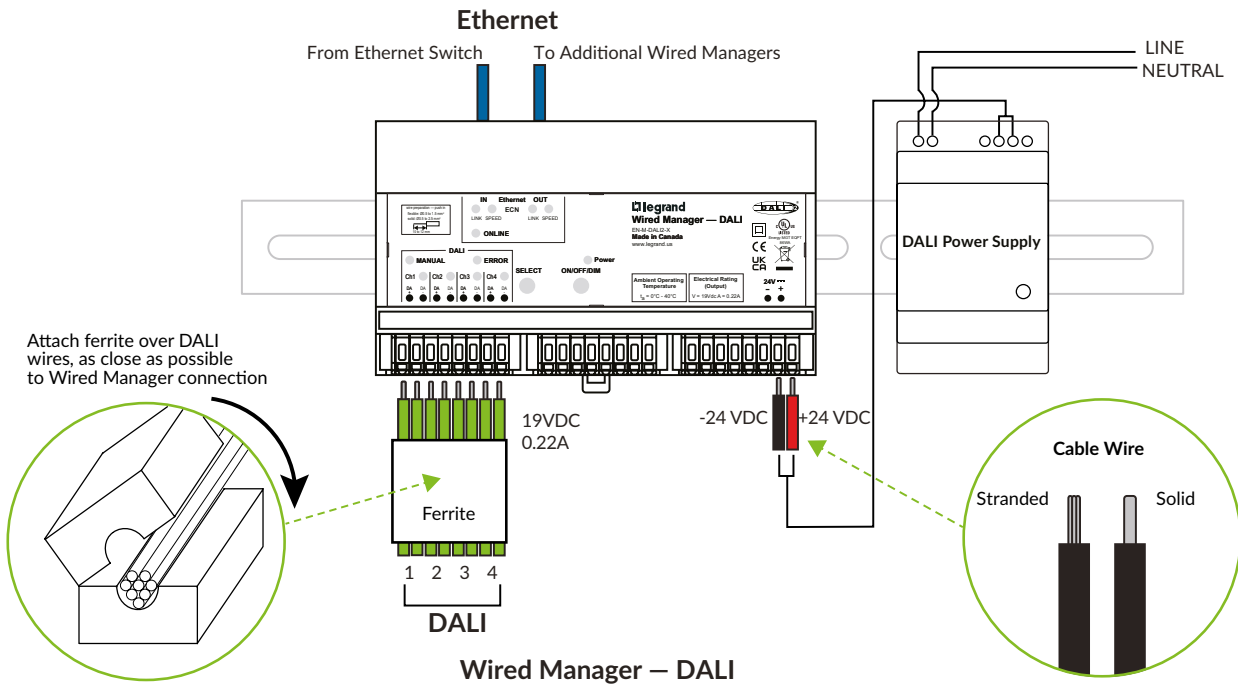| Catalog #	Description	Approbations	Communication Network
EN-M-DALI2-X	Wired Manager — DALI	CE	DALI
6EP1331-1SH03	DALI Power Supply*	UL and CE	—
PS-30	DALI Power Supply* (CE Regions Only)	CE	—

* DALI Power Supply is sold separately.

Wired System Overview

Encelium X enables you to control DALI devices. With any Encelium wired design, you get a reliable, lighting control system that can be installed quickly and easily.

Wiring Diagram

Attach ferrite over DALI wires, as close as possible to Wired Manager connection

Mounting Option

DIN Rail Mount

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