

▶ 03-DIN

03-DIN-DALI: DALI Lighting Module

Description

The 03-DIN-DALI is a DALI® (Digital Addressable Lighting Interface) lighting module for the 03-DIN system. The DALI lighting module provides connectivity between your BACnet® building automation system and the DALI lighting groups installed in the same system.

DALI is the most flexible approach to lighting solutions where control is configured down to a single ballast level. A DALI system is also cost-effective due to its built-in power supply and straightforward wiring. Easy reconfiguration of lamps gives complete control to the lighting design.



Application

The 03 is a complete solution that combines HVAC, access control and lighting control in a modular system. One or more DALI lighting modules in an attached central configuration can manage up to 16 DALI groups per module, integrating these groups into the overall BACnet building automation system.

The DALI lighting module is suitable for controlling up to 64 dimmable ballasts or LED drivers per module. Designed for in-ceiling mounting, control is situated close to devices and results in more efficient wire runs. The internal power supply also means no need for extra wiring or power supply in a room-sized system.

Features

- ▶ Supports up to 64 DALI ballasts and 64 control devices
- ▶ Supports 16 DALI groups and scenes
- ▶ 1 DALI channel that monitors up to 64 control devices
- ▶ Software-controlled 100 mA power supply to power devices
- ▶ LED status indicators for power, module status and communication bus activity
- ▶ DIN EN 50022-35x7.5 compliant

Specifications

External Inputs

2 push buttons for Manual ON/OFF and Auto control

Connectors

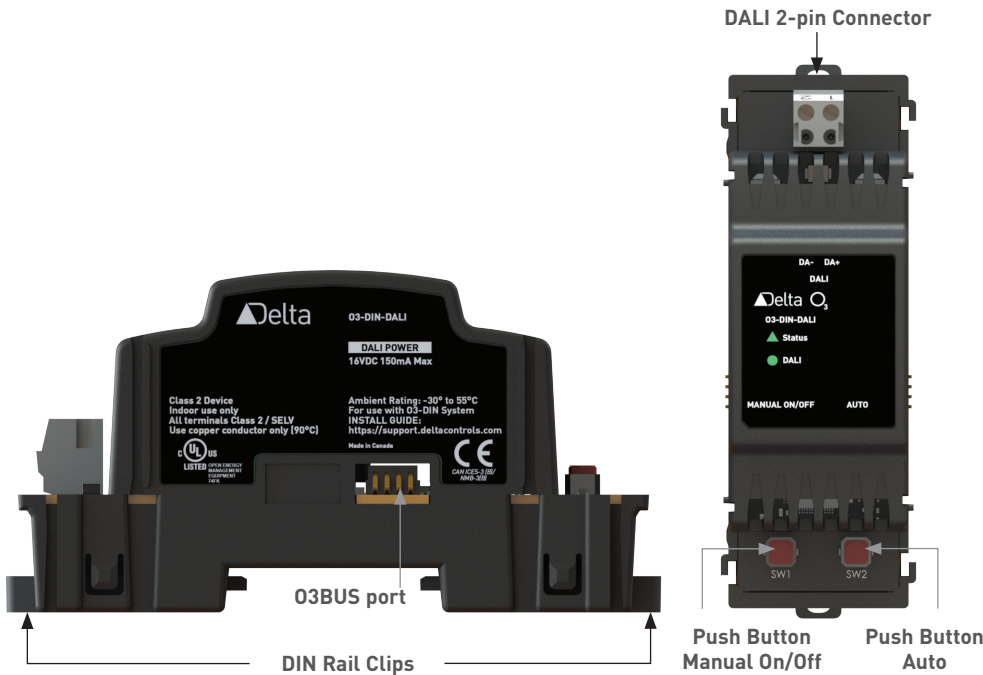
Removable screw-type terminal connectors

Wiring Class

Class 2 / SELV

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Specifications (Continued)

Power

24 VDC, 4W max fully loaded*

* Module power is internally supplied from a 03-DIN-CPU through the 03BUS port.

DALI Power

Guaranteed DALI Current

100 mA @ 16 V

Max DALI Current

150 mA

Software-controlled power supply

Communication Port

2-pin DALI communication port

03BUS port

Ambient

-30° to 55°C (-22° to 131°F)

10 to 95% RH (non-condensing)

Dimensions

36 x 111 x 58 mm

(1.42 x 4.37 x 2.28 in.)

Weight

70 g (0.15 lb)

Compliance

CE

FCC

Listings

C-UL Listed

UL 916 Listed

DALI is a registered trademark of ZVEI (German Electrical and Electronic Manufacturers' Association). BACnet is a registered trademark of the American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.

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Order the 03-DIN system base unit with one or more modules:

Base Unit

03-DIN-CPU	CPU base unit: 3 network ports, dual Ethernet ports, 3 Power Out, Bluetooth, Modbus RTU support, NFC
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Module Options

03-DIN-8xP	I/O module: 8 Universal I/O, input (0-10V, 0-5V, 10K) or output (20mA source, 10mA sink)
03-DIN-DALI	DALI lighting module: DALI interface, 100mA power output

Power Supply

DRC-24V30W1AZ	Chrome Line Voltage DC power supply 24V 30 Watt Class A EMC
DRC-24V60W1AZ	Chrome Line Voltage DC power supply 24V 60 Watt Class A EMC
DRC-24V100W1AZ	Chrome Line Voltage DC power supply 24V 100 Watt Class A EMC
DRS-24V30W1NZ	Sync Line Voltage DC power supply 24V 30 Watt Class B EMC
DRS-24V50W1NZ	Sync Line Voltage DC power supply 24V 50 Watt Class B EMC
DRS-24V100W1NZ	Sync Line Voltage DC power supply 24V 100 Watt Class B EMC

Subject to change without notice.