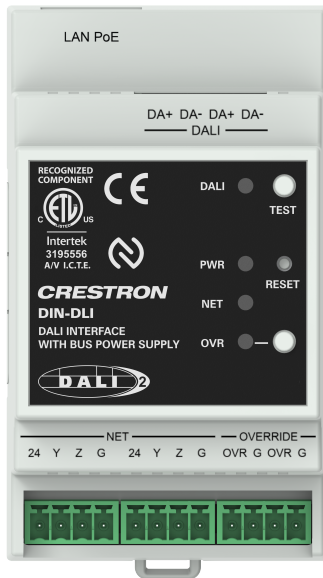


DIN-DLI

DALI® Interface, DIN Rail Mount



- *Interfaces with one independent DALI® loop*
- *DALI-2™ certified*
- *Supports DT0, DT1, DT2, DT3, DT4, DT5, DT6, DT7, and DT8 Tc DALI Devices*
- *Controls up to 64 DALI devices*
- *Ethernet or Cresnet® wired communication*
- *Power using Cresnet network or PoE for single-wire installation*
- *Provides DALI loop power¹ for communication*
- *Commissioned through Web UI for easy setup*
- *Fast color temperature control through Scene Approximation*
- *Override input*
- *Link-local direct connection to a PC for commissioning when powered via Cresnet*
- *3M wide DIN rail mounting*
- *Works with the Crestron Home® OS*
- *Test wiring and perform driver replacement without a computer*

The DIN-DLI is a DALI-2™ certified DALI® interface for Crestron control systems that provides control of one DALI loop. Housed in a 3M DIN-rail enclosure, the compact DIN-DLI is capable of controlling DT0, DT1, DT2, DT3, DT4, DT5, DT6, DT7, and DT8 Tc DALI devices. Crestron control system connection is provided through a Cresnet® wired or Ethernet with PoE connection. DALI devices can be commissioned through an intuitive web user interface. The DIN-DLI also offers unique features that improve the flexibility and

performance of DALI® systems to help with your DALI installation.

One DALI Loop

The single DALI loop on the DIN-DLI enables control of up to 64 individual DALI devices. With DALI's device level control, lighting loads powered from the same feed can be controlled individually. DALI allows layout changes without new circuit wiring, providing flexibility by allowing zone reconfiguration after a system is installed.

Integrated DALI Power Supply

The design of the DIN-DLI eliminates the need for external power supplies required by other DALI controllers on the market. Power¹ is delivered via PoE or Cresnet, creating a true single-wire installation. Both Cresnet and PoE are capable of powering the communications of all 64 connected DALI devices.

Scene Approximation

This feature eliminates the color temperature popcorn effect when simultaneously controlling a large number of fixtures or groups. Scene Approximation for color control uses scene recall on DALI DT8 Tc drivers to recall color temperature instead of the slower DT8 commands. 16 scenes are evenly spaced across the full range of the lowest common minimum to the highest common maximum color temperature. When color temperature is adjusted, the DIN-DLI recalls the closest scene.

Override Input

Override input is provided to allow an external contact closure to momentarily override the control system program and set each channel output to its override preset level. Factory default override values on DALI devices can be adjusted through the DIN-DLI web user interface.

DIN Rail Installation

The 3M 2.08 in. (52.83 mm) wide DIN-DLI snaps onto a standard DIN rail for installation in a wall mount enclosure. When installed in an enclosure utilizing 45 mm cutouts, the front panel stays accessible while the connections are concealed.

Module to Module Connectors

Module to Module connectors quickly connect Cresnet and Override between modules without the need for additional wiring or tools.

Cresnet® and PoE

The DIN-DLI communicates with Crestron control systems via the Cresnet control network or Power-over-Ethernet (PoE). A pair of Cresnet ports and module to module connectors allow for easy daisy-chaining of several DIN Rail Series automation control modules. An RJ45 connector enables both data and power to be transmitted to the unit using a single CAT5 or higher cable.

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NOTE: The DIN-DLI is not compatible with Crestron 2-Series control systems or earlier.

Specifications

Power

Cresnet Power Usage 6W (250mA @ 24V)

PoE Power Usage IEEE 802.3af (802.3at Type 1) Class 2 PoE Powered Device (6.5W)

Load Ratings

DALI Loop 1

DALI Devices 64

Load Types DALI devices DT0, DT1, DT2, DT3, DT4, DT5, DT6, DT7, and DT8 Tc

DALI Loop Power Supply

DALI Loop Maximum: 0.25A

Power Supply¹ Continuous: 0.17A

Communications

Cresnet Cresnet secondary mode

Ethernet 100BASE-TX;
IEEE 802.3af (802.3at Type 1) Class 2 PoE Powered Device (6.5W);
MbedTLS encryption;
Authentication prompted on first connection;
Link-local direct connection to a PC for commissioning when powered via Cresnet

DALI One DALI loop;
DALI-2™ Certified;
Provides power¹ and communication for the DALI loop;
Up to 64 DALI drivers in up to 16 DALI groups;
DT0, DT1, DT2, DT3, DT4, DT5, DT6, DT7 and DT8 Tc support

Connectors

Module to Module (2) Module to module connectors;
Provides Cresnet and Override to connected modules

NET (2) 4-pin 3.5 mm detachable terminal blocks, paralleled;
Cresnet® secondary port

OVERRIDE

(2) 2-pin 3.5 mm detachable terminal blocks, paralleled;
Sensing input for external low-voltage contact closure;
Activates override mode when a closure is present;
Minimum contact closure rating: 10mA (per module) at 24V

LAN PoE

(1) 8-pin RJ-45, female;
100BASE-TX Ethernet port;
Green and yellow LEDs indicate Ethernet port status;
Cresnet network power disables PoE power;
Link-local direct connection to a PC for commissioning when powered via Cresnet

DA+ / DA-

(2) 2-pin 3.5 mm spring terminals, paralleled;
Control a single DALI loop;
A DALI loop controls up to 64 drivers;
3kVAC isolation from Cresnet (NET) and Ethernet (LAN PoE) ports;
Wire Gauge: 12-24 AWG solid wire or 14-24 AWG stranded wire

Controls and Indicators

OVR (1) Red LED and (1) push button;
For enabling override mode

PWR (1) Green LED;
Indicates power to device

NET (1) Yellow LED;
Indicates communication with the control processor

RESET (1) Recessed miniature push button;
Resets internal processor on momentary push;
Hold for ten seconds to perform a factory restore

DALI (1) Yellow LED;
LED lights to indicate DALI power, communication, and error

TEST (1) Push button;
Provides local control of the lights on momentary push;
Hold to initiate a single device replacement

Environmental

Local In-cabinet Air Temperature 32° to 122 °F (0° to 50°C)

Humidity 10% to 90% RH (noncondensing)

Heat Dissipation 13.6 BTU/hr

DIN-DLI

DALI® Interface, DIN Rail Mount

Construction

Enclosure	Light gray polycarbonate housing with polycarbonate label overlay
Mounting	35 mm DIN EN 60715 rail mount, DIN 43880 form factor for enclosures with 45 mm front panel cutout, occupies 3 DIN module spaces (54 mm)

Dimensions

Height	3.68 in. (93.70 mm)
Width	2.08 in. (52.83 mm)
Depth	2.32 in. (59 mm)

Weight

0.24 lb (113.3 g)

Compliance

Regulatory Model: M202236001

Intertek® Recognized for US & Canada, CE, FCC Class B, IC, WEEE

Model

DIN-DLI

DALI® Interface, DIN Rail Mount

Available Accessories

For a list of available accessories, visit the [DIN-DLI](#) product page.

Note:

1. External DALI power supplies cannot be used on the DALI loop with the DIN-DLI.

This product may be purchased from select authorized Crestron dealers and distributors. To find a dealer or distributor, please contact the Crestron sales representative for your area. A list of sales representatives is available online at www.crestron.com/How-To-Buy/Find-a-Representative or contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The original language version of this document is U.S. English. All other languages are a translation of the original document.

The product warranty can be found at www.crestron.com/warranty.

The specific patents that cover Crestron products are listed online at www.crestron.com/legal/patents.

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