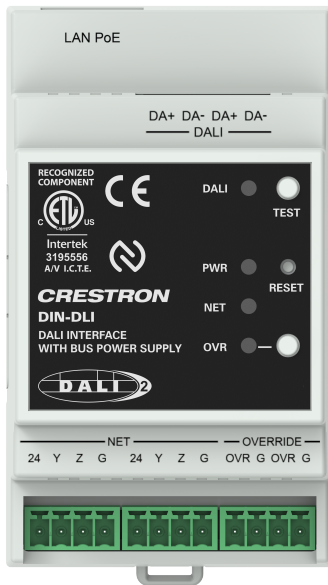


DALI® Interface, DIN Rail Mount



- *Interfaces with one independent DALI® loop*
- *DALI-2™ certified*
- *Supports DT0, DT1, DT2, DT3, DT4, DT5, DT6, DT7, and DT8 (Tc)² DALI Devices*
- *Controls up to 64 DALI devices*
- *Ethernet or Cresnet® wired communication*
- *Power using Cresnet network or PoE for single-wire installation*
- *Provides loop power for communication*
- *Commissioned through Web UI or Crestron Home® OS for easy setup*
- *Override input*
- *3M wide DIN rail mounting*
- *Internal diagnostics*
- *Works with the Crestron Home® OS*

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)² 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 in ways that will help you to be successful 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 DALI ballast controllers.

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.

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

DALI® Interface, DIN Rail Mount

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) ²
DALI Bus	Maximum: 0.25A
Power Supply¹	Guaranteed: 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
DALI	DALI bus, one DALI loop; DALI-2™ Certified; Provides power and communication for the DALI bus; Up to 64 DALI drivers in up to 16 DALI groups; DT0, DT1, DT2, DT3, DT4, DT5, DT6, DT7 and DT8 (Tc) ² 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 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
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 between Cresnet (NET) 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 and saving override presets
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 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; Used 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

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)

DALI® Interface, DIN Rail Mount

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.

Notes:

1. External power supplies cannot be used on the DALI Bus with the DIN-DLI.
2. DT8 (Tc) features will be available in a future update.

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.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

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DIN-DLI

DALI® Interface, DIN Rail Mount

