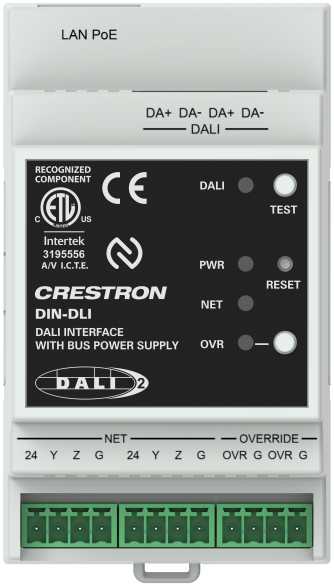
DIN-DLI

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*
- *Provides DALI loop power[1] for communication*
- *Power using Cresnet network or PoE for single-wire installation*
- *Communicates with the Crestron Home® OS over Ethernet*
- *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*
- *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[2] 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. Power[1] 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.

Cresnet and Ethernet

The DIN-DLI communicates with Crestron Home over Ethernet. Other Crestron control systems can make use of the Cresnet control network or Ethernet. 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 through Power-Over-Ethernet (PoE).

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

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.

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Module to Module Connectors

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

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 Supply[1]	Continuous: 0.17A

Communications

Cresnet	Cresnet secondary mode[2]
Ethernet	100BASE-TX; IEEE 802.3af (802.3at Type 1) Class 2 PoE Powered Device (6.5W); MbedTLS encryption; Communication with the Crestron Home OS requires an Ethernet connection; 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 power[1] and communication for the DALI loop; Up 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

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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.

Notes:

1. External DALI power supplies cannot be used on the DALI loop with the DIN-DLI.
2. Communication with the Crestron Home OS requires an Ethernet connection.

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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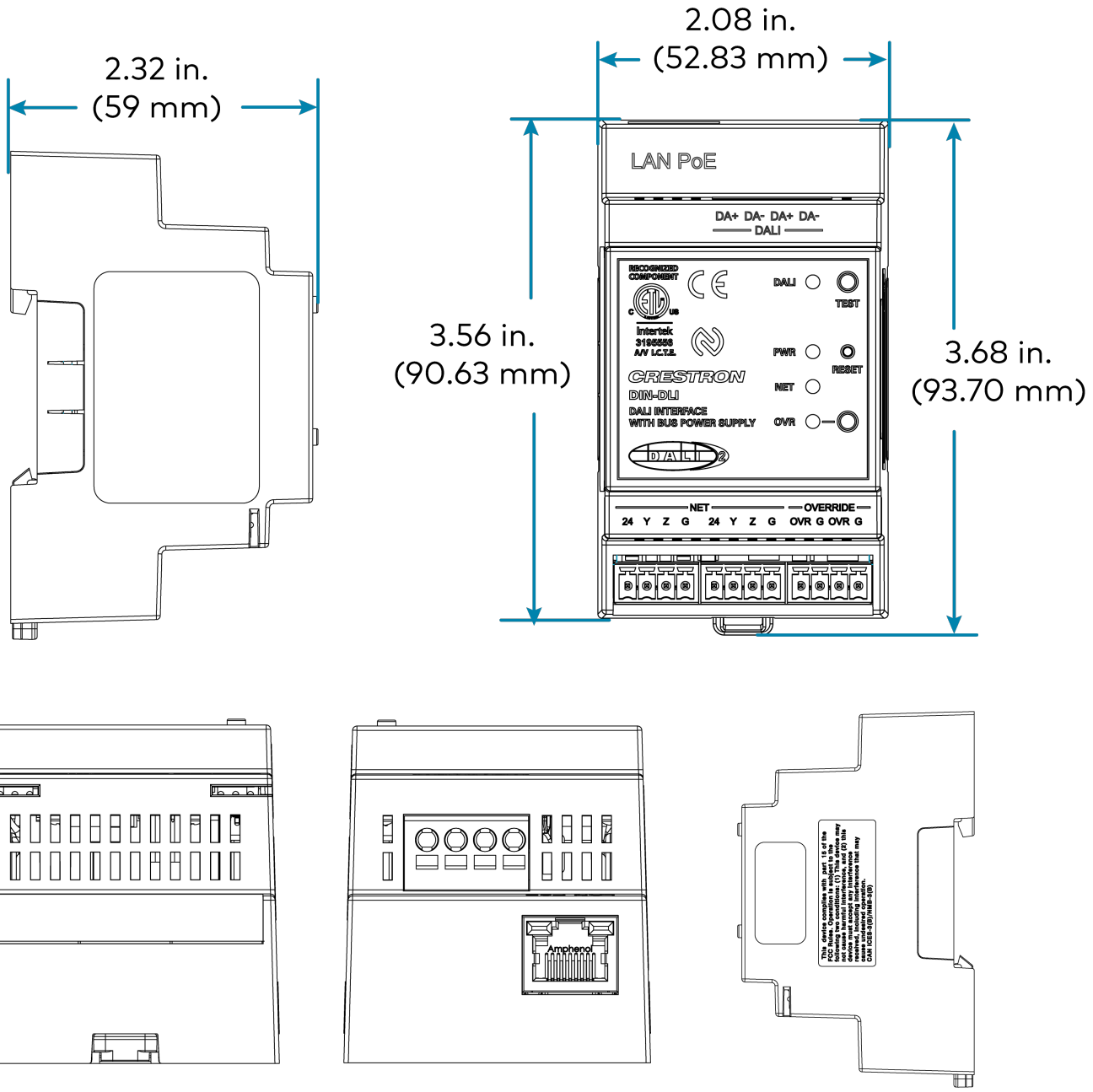
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Rev 09/03/26

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