ZUMNET-DIN-DLI

DIN Rail Controller with DALI® Drivers, 100-277V for Zūm® Lighting Control with Net and Link Communication

- *Zūm® wired DIN rail mounted DALI® drivers lighting controller*
- *Control of DALI compliant dimmable LED or fluorescent loads*
- *Integration with Zūm modules, keypads, presence detectors, and daylight sensors (sold separately)*
- *Ethernet network connection to ZUM-HUB4 control system (sold separately)*
- *Integrated contact closure input*
- *DALI-2™ certified and IEC 62386 compliant*
- *4M wide DIN rail mounting*

The Zūm® wired DALI-2™ certified ZUMNET-DIN-DLI provides DALI® control for drivers and devices. The device can be wired to Zūm devices for network expansion and to Zūm Link devices for in-room control. Energy-saving options are available to enable daylighting, occupancy or vacancy sensing, and centralized monitoring and management. Room setup can be accomplished quickly through the Zūm app.

DALI-2™ Certified and IEC 62386 Compliant

DALI® interface for systems that provides control of one DALI loop. Capable of controlling DT6 and DT8 DALI devices.

Zūm Net Wired Technology

In a Zūm network, Zūm Net load controllers facilitate communications between rooms via Ethernet and can be daisy-chained for network expansion. Each device in the chain communicates to a Zūm Hub control system for centralized monitoring, management, and reporting. Zūm Link devices connect to Zūm Net devices to provide in-room lighting control. Zūm Link devices work together in a local ecosystem to provide customized solutions.

Zūm Link Wired Technology

Zūm Link technology enables in-room lighting control through keypads and sensors wired to controllers. Zūm Wired devices connect via CBL-CAT5E-ZUMLINK-P CAT5e cable (sold separately) to RJ-45 ports to provide simple daisy-chaining and lighting control of compatible loads. The Zūm Wired devices work together in a local ecosystem to provide customized solutions using the Zūm app.

Energy Efficiency

Occupancy sensor, vacancy sensor, and daylight sensor connectivity enables significant energy savings. To reduce energy usage, lights turn off automatically when the room is vacant and dim gradually depending on the amount of natural daylight in the room.

DIN Rail Mounting

DIN rail Zūm devices snap onto a standard DIN rail for installation in a wall mount enclosure (Crestron DIN-EN series or similar) or on a wall panel.

Override Contact Closure Input

An integrated contact closure provides the means to place all connected Zūm Net and Zūm Link devices into Emergency Override mode.

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Specifications

Load Control

DALI Load Types	Control of DALI compliant dimmable LED loads
DALI Groups	16
DALI Drivers	64
DALI Bus Power Supply	Maximum: 0.23A; Guaranteed: 0.17A
Line Voltage	100-277VAC, 50/60 Hz
Switch Rating	16A 100-277VAC, 50/60 Hz; 1 HP @ 120-277VAC
Switch Lifetime	General Rating: 100,000 on/off operations, 16A @ 277VAC; Motor Rating: 100,000 on/off operations, 1HP @ 120/230/277VAC;

Zūm Link Power Bus Requirements

Max Current Consumption	70mA *With one DALI driver (2mA), without sensor terminal*
	190mA *With 64 DALI drivers (128mA), without sensor terminal*
Max Allowable Sensor Terminal Current	85mA *Passthrough from Zūm Link bus*

Wired Communications

ZUMNET	(2) RJ-45 ports; Input for control system connection or Zūm Net device; Output for Zūm Net device daisy-chaining
ZUMLINK	(2) RJ-45 ports; In-room Zūm Link device daisy-chaining
24V, OCC, GND	Occupancy sensor input; Spring clamp connector; Each terminal accepts one 20-24 AWG solid wire
24V, PHO, GND	Photo sensor input; Spring clamp connector; Each terminal accepts one 20-24 AWG solid wire
OVR, GND	Override control input; Spring clamp connector: Each terminal accepts one 20-24 AWG solid wire

Controls and Indicators

TEST	(1) Pushbutton and (1) green LED; Push to toggle the switched load output on and off; Press and hold to cycle the dimming level up and down; LED indicates that the load is turned on; LED lights and flashes during room setup and factory reset
ZUMLINK Status	(1) bi-color green/red LED; LED lights green in normal operation; LED lights red when a fault is detected
ZUMNET Status	(1) bi-color green/red LED; LED lights green in normal operation; LED lights red when a fault is detected

Connections

N, L, SW (Neutral, Line, Switch)	(1) 3-pin terminal block; Each terminal accepts one 12-24 AWG wire
DA-, DA+	(2) DALI input/output negative (DA-) and positive (DA+) Spring clamp connector Each terminal accepts one 14-24 AWG solid wire or 12-24 AWG stranded wire

Environmental

Local In-Cabinet Air Temperature	32° to 131°F (0° to 55°C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	5 BTU/hr @ 2mA DALI Loading, 0A passthrough; 7 BTU/hr @ 128mA DALI Loading, 0A passthrough; 14 BTU/hr @ 128mA DALI Loading, 16A passthrough

Construction

Light gray polycarbonate housing with polycarbonate label overlay, 71 mm DIN rail mount, occupies 4M DIN module spaces, DIN 43380 for factor for enclosures with 45 mm front panel cutout

Dimensions

Height	3.69 in. (94 mm)
Width	2.79 in. (71 mm)
Depth	2.32 in. (59 mm)

DIN Rail Controller with DALI® Drivers, 100-277V for Zūm® Lighting Control with Net and Link Communication

Weight

4 oz (133 g)

Compliance

Regulatory Model: M202231001

Intertek® Listed for US & Canada, CE, FCC Part 15 Class B, IC, WEEE, IEC 62386, DALI-2 certified

Model

ZUMNET-DIN-DLI
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Available Accessories

For a list of available accessories, visit the ZUMNET-DIN-DLI product page.

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

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Lighting Control with Net and Link Communication

2.79 in.
(71 mm)

2.32 in.
(59 mm)

3.69 in.
(94 mm)

N   L   OUT   DA- DA+

- TEST -   LINK   NET

CRESTRON
ZUMNET-DIN-DLI
LOAD CONTROLLER
DALI
ZUMLINK (ROOM)
ZUMNET (LAN)

RECOGNIZED
COMPONENT

Intertek
3185688
A/V I.C.T.E.

DALI

SENSOR

24V OCC GND 24V PHO GND DIM GND

3.57 in.
(91 mm)

ZUMLINK   ZUMNET

2.28 in.
(58 mm)

Amphenol   Amphenol