

DIN Rail Load Controller, 0-10V Dimmer, 16A, 100-277V for Züm® Lighting Control with Link Communication



Züm Link Wired Technology

Züm Link technology enables in-room lighting control through keypads and sensors wired to controllers. Züm 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 Züm Wired devices work together in a local ecosystem to provide customized solutions using the Züm 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 Züm 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 Züm Net and Züm Link devices into Emergency Override mode.

- *Züm® wired DIN rail mounted lighting load dimmer*
- *Dimming control of 0-10V LED drivers or 4-wire fluorescent ballasts*
- *Integration with Züm modules, keypads, presence detectors, and daylight sensors (sold separately)*
- *Supports in-room device daisy chaining*
- *Integrated contact closure input*
- *3M wide DIN rail mounting*

The Züm® wired ZUMLINK-DIN-16A-LV provides 0-10V dimming for drivers and devices. The device can be wired to other in-room Züm devices to provide load 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 Züm app.

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Specifications

Load Control

Dim Load Types	0-10V LED drivers or electronic drivers (4-wire)
Dim Control Output	0-10VDC, 60mA maximum sink or source
Line Voltage	100-277VAC, 50/60 Hz
Switch Load Types	LED, electronic drivers, incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, high-intensity discharge, small motor loads
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	100mA <i>With 0-10V load (60mA), without sensor terminal.</i>
Max Allowable Sensor Terminal Current	85mA <i>Passthrough from Zūm Link bus</i>

Wired Communications

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

Connections

N, L, SW (Neutral, Line, Switch)	(1) 3-pin terminal block; Each terminal accepts one 12-24 AWG wire
0-10V	(2) 0-10VDC dimming control output; 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 @ 0A; 11 BTU/hr @ 16A

Construction

Light gray polycarbonate housing with polycarbonate label overlay, 53 mm DIN rail mount, occupies 3M module spaces, DIN 43380 for factor for enclosures with 45 mm front panel cutout

Dimensions

Height	3.69 in. (94 mm)
Width	2.08 in. (53 mm)
Depth	2.32 in. (59 mm)

Weight

4 oz (133 g)

Compliance

Regulatory Model: M202231002

Intertek® Listed for US & Canada, CE, FCC Part 15 Class B, IC, WEEE

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Model

ZUMLINK-DIN-16A-LV

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Available Accessories

For a list of available accessories, visit the ZUMLINK-DIN-16A-LV product page.

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