

## DIN Rail Load Controller, High Inrush Switch, 20A, 100-277V for Zūm® Lighting Control with Link Communication



### 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.

- *Zūm® wired DIN rail mounted lighting load switch*
- *Switching control of LED, fluorescent ballast, incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, and high-intensity discharge*
- *Integration with Zūm 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 Zūm® wired ZUMLINK-DIN-20A-SW provides zero cross switching for high inrush lighting loads. The device can be wired to other in-room Zūm 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 Zūm app.

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### Specifications

#### Load Control

<b>Line Voltage</b>	100-277VAC, 50/60 Hz
<b>Switch Load Types</b>	LED, electronic drivers, incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, high-intensity discharge, small motor loads
<b>Switch Rating</b>	20A 100-277VAC, 50/60 Hz resistive; 1 HP @ 120-277VAC
<b>Switch Lifetime</b>	General Rating: 100,000 on/off operations, 16A @ 277VAC; Motor Rating: 100,000 on/off operations, 1HP @ 120/230/277VAC; Resistive Rating: 30,000 on/off operations, 20A @ 277VAC

#### Zūm Link Power Bus Requirements

<b>Max Current Consumption</b>	50mA <i>Without sensor terminal.</i>
<b>Max Allowable Sensor Terminal Current</b>	85mA <i>Passthrough from Zūm Link bus</i>

#### Wired Communications

<b>ZUMLINK</b>	(2) RJ-45 ports; In-room Zūm Link device daisy-chaining
<b>24V, OCC, GND</b>	Occupancy sensor input;  Spring clamp connector; Each terminal accepts one 20-24 AWG solid wire
<b>24V, PHO, GND</b>	Photo sensor input; Spring clamp connector; Each terminal accepts one 20-24 AWG solid wire
<b>OVR, GND</b>	Override control input; Spring clamp connector; Each terminal accepts one 20-24 AWG solid wire

#### Controls and Indicators

<b>TEST</b>	(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
<b>ZUMLINK Status</b>	(1) bi-color green/red LED; LED lights green in normal operation; LED lights red when a fault is detected

#### Connections

<b>N, L, SW (Neutral, Line, Switch)</b>	(1) 3-pin terminal block; Each terminal accepts one 12-24 AWG wire
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#### Environmental

<b>Local In-Cabinet Air Temperature</b>	32° to 122°F (0° to 50°C)
<b>Humidity</b>	10% to 90% RH (noncondensing)
<b>Heat Dissipation</b>	4 BTU/hr @ 0A; 14 BTU/hr @ 20A

#### 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

<b>Height</b>	3.69 in. (94 mm)
<b>Width</b>	2.08 in. (53 mm)
<b>Depth</b>	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

#### Model

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### **ZUMLINK-DIN-20A-SW**

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### Available Accessories

For a list of available accessories, visit the  
ZUMLINK-DIN-20A-SW product page.

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