



### Easy Installation

For flexibility and ease-of-use, install Züm devices (load controllers, keypads, and presence detectors) and connect them with Züm Link (CBL-CAT5E-ZUMLINK-P) or Züm Net (CBL-CAT5E-ZUMNET-P) CAT5e cable. Nonsystem presence detectors may also be installed to any load controller with analog inputs.

### 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 junction box mounted lighting load dimmer*
- *Dimming control of 0-10V LED drivers or 4-wire fluorescent ballasts*
- *Integration with Züm keypads, presence detectors, and daylight sensors (sold separately)*
- *Supports in-room device daisy chaining*
- *Integrated contact closure input*
  - Flying lead wiring connections
  - Knockout mount to a standard 4 in. square junction box

The Züm® wired ZUMLINK-JBOX-16A-LV provides 0-10V dimming for drivers and ballasts. 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.

### 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 via Bluetooth connectivity.

### Energy Management and Efficiency

The load controllers are capable of energy monitoring through custom programming. 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.

## Specifications

### Load Control

<b>Dim Load Types</b>	0-10V LED drivers or electronic ballasts (4-wire)
<b>Switch Load Types</b>	LED, electronic ballasts, incandescent, magnetic low-voltage, electronic low-voltage, neon/cold cathode, high-intensity discharge, small motor loads
<b>Load Rating</b>	16A 100-277VAC, 50/60 Hz; 0.5 HP @ 120-277VAC
<b>Line Voltage</b>	100-277VAC, 50/60 Hz
<b>Dim Control Output</b>	0-10VDC, 60mA maximum sink or source
<b>Short Circuit Protection</b>	40A non-replaceable fuse

### Wired Communications

<b>ZUMLINK (ROOM)</b>	(2) RJ-45 ports; In-room Züm Link device daisy-chaining; 85mA power available for Züm Link devices, including <a href="#">ZUMLINK-KP</a> keypads; Maximum 750mA pass-through current including any internal power supply
<b>24V, OCC, GND</b>	Occupancy sensor input; 85mA available output current; Spring clamp connector
<b>24V, PHO, GND</b>	Photo sensor input; Spring clamp connector
<b>OVR, GND</b>	Override control input; Spring clamp connector

### 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>Hot</b>	(1) 14 AWG Class 1 flying lead; Black, line power input
<b>Neutral</b>	(1) 14 AWG Class 1 flying lead; White, neutral
<b>Red</b>	(1) 14 AWG Class 1 flying lead, red, AC output
<b>Purple</b>	(1) 18 AWG Class 1 flying lead, purple, 0-10VDC dimming control output, positive
<b>Gray</b>	(1) 18 AWG Class 1 flying lead, gray, 0-10VDC dimming control output, negative

### Environmental

<b>Temperature</b>	32° to 104°F (0° to 40°C)
<b>Humidity</b>	10% to 90% RH (noncondensing)

### Construction

<b>Housing</b>	Plastic, white, UL 94 5VA flame rated
<b>Mounting</b>	Mounts to the side of a 4 in. square junction box via a 1/2 in. conduit knockout; Meets the requirements of UL 2043 for installation in an environmental air-handling (plenum) space

### Dimensions

<b>Height</b>	4.83 in. (123 mm)
<b>Width</b>	4.25 in. (108 mm)
<b>Depth</b>	2.03 in. (52 mm)

### Weight

7 oz (199 g)
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### Compliance

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**Regulatory Model: M201933001**

cUL916, cUL2043

Intertek® Listed for US & Canada, IC, FCC Part 15 Class A digital device, UL 916, UL 2043, UL 94 5VA

### Model

**ZUMLINK-JBOX-16A-LV**

Züm® Wired J-Box Load Controller, 0-10V Dimmer, 16A, 100-277V with Link Communication

### Available Accessories

For a list of available accessories, visit the [ZUMLINK-JBOX-16A-LV](#) 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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