ZUMLINK-JBOX-16A-LV

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

- *Zūm® wired junction box mounted lighting load dimmer*
- *Dimming control of 0-10V LED drivers or 4-wire fluorescent ballasts*
- *Integration with Zūm 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 Zūm® wired ZUMLINK-JBOX-16A-LV provides 0-10V dimming for drivers and ballasts. 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.

Zūm Link Wired Technology

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

Energy Management and Efficiency

ZUMNET-JBOX devices are capable of energy monitoring through custom programming. Occupancy sensor, vacancy sensor, and daylight sensor connectivity allow for significant energy savings. To reduce energy usage, lights will turn off automatically when the room is vacant and dim gradually according to the amount of natural daylight in the room.

Easy Installation

For flexibility and ease-of-use, install Zūm devices (load controllers, keypads, and presence detectors) and connect them with Zūm Link (CBL-CAT5E-ZUMLINK-P) or Zūm 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 input or relay output on the ZUMLINK-JBOX-16A-LV provides the means to place all connected Zūm Net and Zūm Link devices into Emergency Override mode.

Specifications

Load Control

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

Power Requirements

Line Voltage	100-277VAC, 50/60 Hz

Wired Communications

ZUMLINK (ROOM)	(2) RJ-45 ports; In-room Zūm Link device daisy-chaining; 85mA power available for Zūm Link devices, including ZUMLINK-KP keypads
24V, OCC, GND	Occupancy sensor input; 85mA available output current; Spring clamp connector
24V, PHO, GND	Photo sensor input; Spring clamp connector
OVR, GND	Override control input; Spring clamp connector

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

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

Environmental

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

Construction

Housing	Plastic, white, UL 94 5VA flame rated
Mounting	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

Height	4.83 in. (123 mm)
Width	4.25 in. (108 mm)
Depth	2.03 in. (52 mm)

Weight

7 oz (199 g)

Compliance

Regulatory Model: M201933001

cUL916, cUL2043

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

Model

ZUMLINK-JBOX-16A-LV
Zūm® 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.

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 by calling 855-263-8754.

This product is covered under the Crestron standard limited warranty. Refer to www.crestron.com/warranty for full details.

The specific patents that cover Crestron products are listed online at patents.crestron.com.

Certain Crestron products contain open source software. For specific information, please visit www.crestron.com/opensource.

Crestron, the Crestron logo, XiO Cloud, and Zūm are either trademarks or registered trademarks of Crestron Electronics, Inc. in the United States and/or other countries. UL is either a trademark or registered trademark of UL LLC in the United States and/or other countries. Other trademarks, registered trademarks, and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Crestron disclaims any proprietary interest in the marks and names of others. Crestron is not responsible for errors in typography or photography.

Specifications are subject to change without notice.

©2022 Crestron Electronics, Inc.

Rev 08/18/22

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

4.25 in.
(108 mm)

2.03 in.
(52 mm)

7.5 in.
(191 mm)

0.63 in.
(16 mm)

0.10 in.
(3 mm)

TEST   LINK

4.20 in.
(107 mm)

4.83 in.
(123 mm)