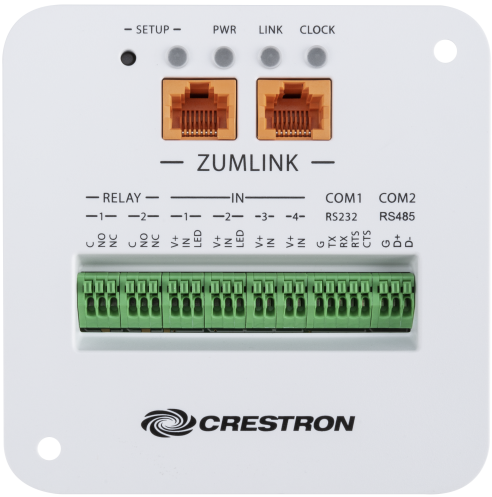
ZUMLINK-JBOX-IO

J-Box Integration Module with Standalone Timeclock for Zūm® Lighting Control



- *Zūm® wired junction box mounted multi-purpose integration and timeclock device*
- *Powered by Zūm link bus*
- *Provides a standalone astronomical time clock and local time and date settings without a ZUM-HUB4 or control system*
- *Provides a distributed, room level interface to third-party smart controllers, such as HVAC/VAV systems and shade controllers*
- *Supports in-room device daisy chaining with other Zūm wired devices*
- *Cover mount to a standard 4 in. square junction box*

The ZUMLINK-JBOX-IO is a compact, multi-purpose, standalone integration and timeclock device that applies schedules, events, and common integration protocols to a Zūm space without the need for a control system. As a Zūm Wired device, the ZUMLINK-JBOX-IO can be discovered by the Zūm app for easy configuration without custom programming. If needed, the ZUMLINK-JBOX-IO can also connect to a Crestron control system. The ZUMLINK-JBOX-IO mounts to a standard 4 in. square junction box, provides two Zūm Link serial bus RJ-45 ports, an RS-232 port, an RS-485 port, two dry contact closure outputs, two low-voltage inputs, and two low-voltage inputs with LED indicator light support. The ZUMLINK-JBOX-IO supports in-room device daisy chaining to any 24VDC Zūm Link run.

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.

Easy Installation

The ZUMLINK-JBOX-IO installs in a standard four-inch square junction box. Depending on the installation requirements of the space, the ZUMLINK-JBOX-IO can be installed with the connections facing out or into the junction box. Connect the ZUMLINK-JBOX-IO to Zūm devices (load controllers, keypads, and sensors) utilizing Zūm Link connections.

Astronomical Time-Clock Control

Enables control of standalone Zūm spaces based on date and time without the need for system networking or a centralized control hub. Configure date and time, schedules, events, and holidays from the Zūm app directly to the space.

Crestron Electronics Inc.
15 Volvo Drive | Rockleigh, NJ 07647
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Specifications

Zūm Link Power Bus Requirements

Max Current Consumption	110mA
Max Keypad Feedback LED Current	20mA *Passthrough from Zūm Link bus*

Timeclock Backup Power

Battery Backup Life	10 years

Wired Communications

ZUMLINK	(2) RJ-45 ports; In-room Zūm Link device daisy-chaining

Controls and Indicators

SETUP	(2) Pushbutton and (1) green LED; Indicates On/Off status of connected load; Lights briefly to indicate a button press
PWR	(2) Bi-color LED; Power indicator; Turns red when power is first applied for approximately 0.5 seconds and then turns green
ZUMLINK	(2) Green LED; LED lights green in normal operation
CLOCK	(2) Green LED indicates when: A unit is part of a Zūm Link network; The time and location have been set; One or more timeclock events have been configured; The LED blinks for 0.5 seconds on/off when timeclock is in manual or maintained override

Connections

C, NO, NC RELAY	(2) 3-pin terminal blocks for output relays; 30VAC/VDC 1A; Each terminal accepts one 20-24 AWG wire
V+, IN, LED IN	(2) 3-pin terminal blocks for input relays with keyswitch LED support: Each terminal accepts one 20-24 AWG wire
V+, N IN	(2) 2-pin terminal blocks for input relays without keyswitch support Each terminal accepts one 20-24 AWG wire
RS-232 COM1	(1) 5-pin terminals block G, TX, RX, RTS, CTS Each terminal accepts one 20-24 AWG wire

> **NOTE**: The RS-232 COM port is intended for use with relatively simple devices that send and receive small packets and do not generate a lot of data. A small amount of delay may be normal when sending or receiving some control commands on a low-speed serial network. Zūm and Cresnet networks with many devices tend to exhibit more delay.

RS-485 COM2	(1) 3-pin terminal block G, D+, D- Each terminal accepts one 20-24 AWG wire

Environmental

Temperature	32° to 104°F (0° to 40°C)
Humidity	10% to 90% RH (noncondensing)
Heat Dissipation	6 BTU/hr

Construction

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

Dimensions

Height	4.16 in. (106 mm)
Width	4.16 in. (106 mm)
Depth	0.99 in. (25 mm)

Weight

6 oz (171 g)

Compliance

Regulatory Model: M202107004

cUL916, cUL2043

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

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Model

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Available Accessories

For a list of available accessories, visit the ZUMLINK-JBOX-IO product page.

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

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 contact us for additional information by visiting www.crestron.com/contact/our-locations for your local contact.

The product warranty can be found at www.crestron.com/warranty.

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

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

Specifications are subject to change without notice.

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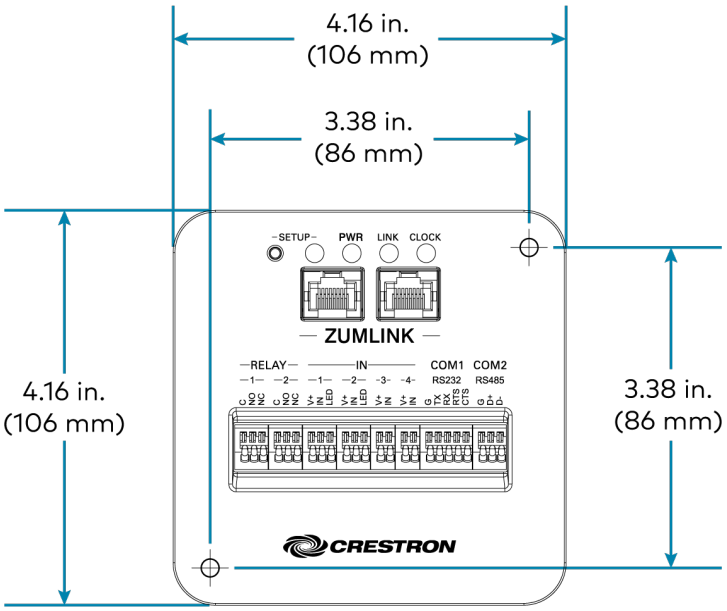

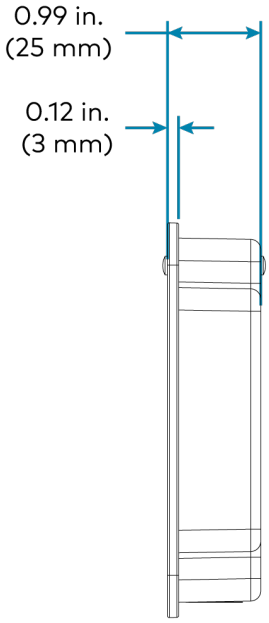

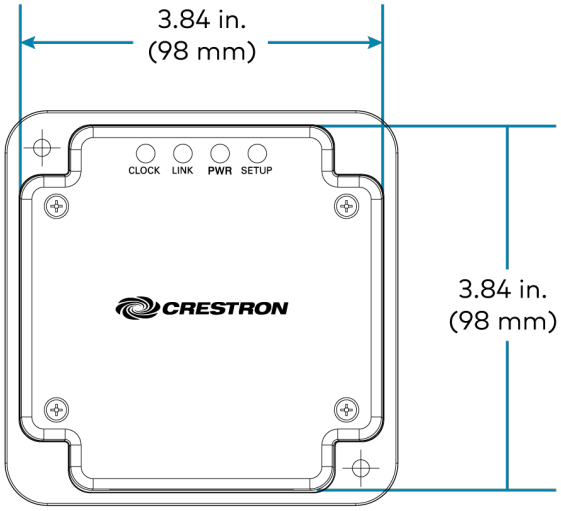

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