

# ZUMMESH-5A-LV

## Zūm™ Wireless 0-10V Wall-Box Dimmer

- > Zūm™ wall-box 0-10 Volt wireless dimmer
- > Pair and play functionality with Zūm occupancy sensors, vacancy sensors, and daylight sensors<sup>[1]</sup>
- > Available in black, white, and almond colors
- > Zūm Mesh peer-to-peer RF communications for easy integration into a complete standalone or networked Zūm wireless lighting control solution
- > Lighting control via a rocker switch
- > 120/277 Volts AC line powered
- > Screw-clamp connectors for easy installation
- > LED indicator provides real-time status feedback
- > Standard wall-box installation

The ZUMMESH-5A-LV Zūm™ wireless wall-box dimmer provides 0-10 Volt load control for LED drivers. Available in three colors and configured with a “pair and play” rocker switch, the ZUMMESH-5A-LV is a versatile and easy-to-use addition to the Zūm commercial lighting system. Powered via line voltage AC, the dimmer’s streamlined design and out-of-the-box functionality is advantageous in new or retrofit installations.

### Pair and Play

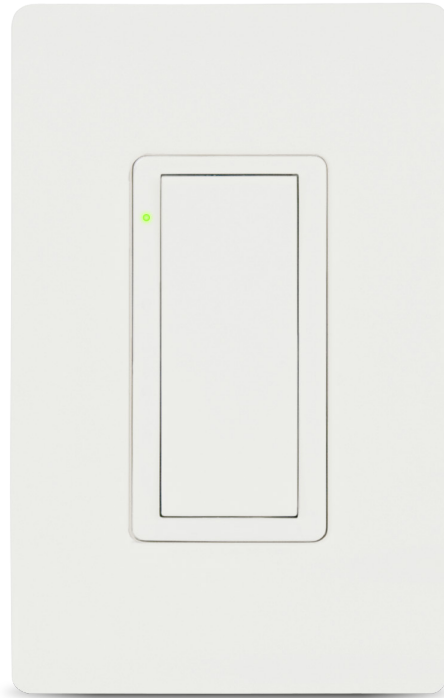
Designed with flexibility and ease-of-use in mind, Zūm dimmers are pre-programmed with “pair and play” functionality. An installer can simply install the dimmer in a room with Zūm occupancy sensors, vacancy sensors, and daylight sensors,<sup>[1]</sup> perform a series of button taps, and then use the dimmer to control the lights in the room – no programming required! Zūm dimmers are designed with a rocker switch for simple 0-10 Volt lighting control. Additional Zūm load controllers can be added to the system for greater functionality.

### Zūm Mesh Wireless Technology<sup>[2]</sup>

Ultra-reliable Zūm Mesh wireless technology provides steadfast peer-to-peer RF communications within a commercial space without the need for physical control wiring, hubs, or gateways. Employing a Wi-Fi® friendly 2.4 GHz peer-to-peer mesh network topology, nearly every Zūm Mesh device acts as an “expander,” relaying wireless commands directly between Zūm Mesh devices to ensure that every command reaches its intended destination without disruption. Zūm Mesh is smart! Every Zūm Mesh device knows its purpose and just the right messages to communicate to other Zūm Mesh devices within the space. Each Zūm Mesh device that is added to space effectively increases the range and stability of the peer-to-peer mesh network by providing multiple redundant signal paths. Each Zūm Mesh device auto-negotiates its RF channel to provide robust communication and is protected through AES 128-bit encryption. The wireless range between any two Zūm Mesh devices is typically up to 50 ft (15 m) indoors.

### Streamlined Installation

The ZUMMESH-5A-LV features screws for simplified wiring, thereby reducing installation time and material costs. So slim, the Zūm line of dimmers can be installed in standard gang boxes, making them the perfect choice for both new and retrofit projects.



## SPECIFICATIONS

### Load Ratings

Per Unit: 5 Amps at 100-277 Volts AC, 60 Hz  
Dim Load Types: 0-10 Volt LED driver (4-wire); 60 mA max current sink  
Dim Control Output: 0-10 Volts DC 60 mA sink/source

### Power Requirements

120/277 Volts AC, 60 Hz, line power

### Controls

Buttons: (1) Rocker switch

### LED Indicator

Feedback: (1) Green LED, indicates an active scene and provides button feedback

### Wireless Communications

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant  
Zūm™ Mesh Range (Typical): 50 ft (46 m) indoor to nearest peer-to-peer mesh network device(s); Subject to site-specific conditions and individual device capabilities<sup>[2]</sup>

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## Connections

**Hot:** (1) 14-12 AWG, screw terminal, brass, line power input

**Neutral:** (1) 14-12 AWG, screw terminal, silver, neutral

**Ground:** (1) 18 AWG Class 1 flying lead, green, ground

**0-10V Dim + :** (1) 18 AWG Class 1 flying lead, purple

**0-10V Dim - :** (1) 18 AWG Class 1 flying lead, gray

## Environmental

**Temperature:** 32° to 104° F (0° to 40° C)

**Humidity:** 10% to 90% RH (non-condensing)

## Enclosure

1-gang mountable in a 3-1/2 inch deep electrical box;

Requires decorator-style faceplate (sold separately)

## Dimensions

**Height:** 4.13 in (105 mm)

**Width:** 1.75 in (45 mm)

**Depth:** 1.75 in (45 mm)

## Weight

5 oz (142 g)

## Standards & Certifications

CEC Title 24 2013 Compliant<sup>[3]</sup>

ASHRAE 90.1-2016<sup>[4]</sup>

IECC-2015<sup>[5]</sup>

FCC

## Notes:

1. Item(s) sold separately.
2. Any Zūm Mesh network device that provides expander functionality will effectively extend the range of the Zūm Mesh peer-to-peer network. Battery-powered Zūm Mesh devices do not provide expander functionality. Wireless networks composed predominantly of battery-powered devices may require additional AC powered Zūm Mesh devices.
3. This product is part of Crestron T24-2013 compliant solutions. Reference the T24-2013 design guide for additional devices required for fully compliant solutions.
4. This product is part of Crestron ASHRAE 90.1-2013 compliant solutions. Reference the ASHRAE 90.1-2013 design guide for additional devices required for fully compliant solutions.
5. This product is part of Crestron IECC-2015 compliant solutions. Reference the IECC-2015 design guide for additional devices required for fully compliant solutions.

All design guides can be accessed via the Consultant Partner Portal at <http://www.crestron.com/about/partner-info/consultants-uplink>.

This product may be purchased from an authorized Crestron dealer or distributor. 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/salesreps](http://www.crestron.com/salesreps) or by calling 800-237-2041.

For assistance with incorporating this product into a design or specification, please contact the Commercial Lighting Consultant Hotline at [clcdesign@crestron.com](mailto:clcdesign@crestron.com) or by calling 888-330-1502.

The specific patents that cover Crestron products are listed online at: [patents.crestron.com](http://patents.crestron.com).

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## MODELS & ACCESSORIES

### Available Models

**ZUMMESH-5A-LV-A-S:** Zūm Wireless 0-10V Wall-Box Dimmer, Almond Smooth

**ZUMMESH-5A-LV-B-S:** Zūm Wireless 0-10V Wall-Box Dimmer, Black Smooth

**ZUMMESH-5A-LV-W-S:** Zūm Wireless 0-10V Wall-Box Dimmer, White Smooth

### Available Accessories

**ZUMMESH-OL-PHOTOCELL-BATT:** Zūm Wireless Battery-Powered Daylight sensor, Open-Loop

**ZUMMESH-PIR-OCCUPANCY-BATT:** Zūm Wireless Battery-Powered Occupancy Sensor, 500 sq ft

**ZUMMESH-PIR-VACANCY-BATT:** Zūm Wireless Battery-Powered Vacancy Sensor, 500 sq ft

**ZUMMESH-NETBRIDGE:** Zūm Network Bridge

**FP-G:** Decorator-Style Faceplate

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## CAD DRAWINGS

