

ZUMMESH-KP

Zūm™ Wireless Keypad

- > Zūm™ AC-powered wireless keypad
- > Pair and play functionality with a Zūm J-Box Zone Controller^[1]
- > 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
- > Configurable with a rocker switch or a pre-programmed 4-button layout
- > Powered via 120/277 Volts AC line power
- > Screw-clamp connectors for easy installation
- > LED indicator provides real-time status feedback
- > Standard wall-box installation

The ZUMMESH-KP is an AC-powered Zūm™ wireless wall-box keypad. Available in three designer colors and configured with either a rocker switch or a “pair and play” four-button layout, the ZUMMESH-KP is a versatile and easy-to-use addition to the Zūm commercial lighting system. Powered via line-voltage AC power, the keypad’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 keypads are pre-programmed with “pair and play” functionality. An installer can simply install the keypad in a room with a Zūm J-Box Zone Controller,^[1] perform a series of button taps, and then use the keypad to control the lights in the room – no programming required! Keypads are designed with a rocker switch for simple on and off lighting control or in a four-button layout that includes two buttons for on and off control and two buttons for scene recall.

Zūm Mesh Wireless Technology^[2]

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-KP features screw-clamp connectors for simplified wiring while reducing installation time and material costs. So slim, the Zūm Wireless Keypad can be installed in a standard gang box, making it the perfect choice for both new and retrofit projects.



SPECIFICATIONS

Power Requirements

120/277 Volts AC, 60 Hz, line power

Controls

Buttons: (1) Rocker switch or (4) pre-programmed buttons; Pre-programmed buttons include (1) ALL ON, (1) ALL OFF, and (2) scene recall buttons

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^[2]

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

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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^[3]

ASHRAE 90.1-2016^[4]

IECC-2015^[5]

FCC

MODELS & ACCESSORIES

Available Models

ZUMMESH-KP10A-A-S: Zūm Wireless Keypad, Rocker Switch Configuration, Almond Smooth

ZUMMESH-KP10A-B-S: Zūm Wireless Keypad, Rocker Switch Configuration, Black Smooth

ZUMMESH-KP10A-W-S: Zūm Wireless Keypad, Rocker Switch Configuration, White Smooth

ZUMMESH-KP10B-A-S: Zūm Wireless Keypad, 4-Button Configuration, Almond Smooth

ZUMMESH-KP10B-B-S: Zūm Wireless Keypad, 4-Button Configuration, Black Smooth

ZUMMESH-KP10B-W-S: Zūm Wireless Keypad, 4-Button Configuration, White Smooth

Available Accessories

ZUMMESH-JBOX-20A-SW: Zūm J-Box Load Controller – Switching, 20A

ZUMMESH-JBOX-5A-LV: Zūm J-Box Load Controller – 0-10V, 5A

ZUMMESH-JBOX-16A-LV: Zūm J-Box Load Controller – 0-10V, 16A

ZUMMESH-JBOX-20A-PLUG: Zūm J-Box Load Controller – Plug Load, 20A

ZUMMESH-NETBRIDGE: Zūm Network Bridge

FP-G: Decorator-Style Faceplate

Notes:

1. Item(s) sold separately.
2. Any Zūm Mesh 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 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 or by calling 888-330-1502.

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

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

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CAD DRAWINGS

