

Zum™ Wireless Keypad

- > AC-powered Zum™ wireless keypads
- > Pair and play control of one or more Zum J-Box Load Controllers^[1]
- > Zum Mesh peer-to-peer RF communications for easy integration into a complete standalone or networked Zum wireless lighting control solution
- > Choice of single rocker switch or four pushbuttons
- > Up to three scene presets with pushbutton version
- > 100-277 Volts AC line powered
- > Flying lead wiring connections
- > Standard 3-1/2 inch (89 mm) deep electrical box installation
- > Available in smooth black, white, or almond finishes
- > Matching decorator-style faceplate available separately
- > Meets CEC Title 24 energy efficiency standards^[3]
- > Meets ASHRAE 90.1 energy efficiency standards^[4]
- > Meets UL 916 standard for energy management equipment
- > ICC International Energy Conservation Code compliant^[5]

The Zum™ wireless keypad (ZUMMESH-KP) provides control of one or more Zum J-Box Load Controllers (ZUMMESH-JBOX^[1]). It is available with either a rocker switch or pushbuttons. The rocker switch version offers simple on/off switching and dimming adjustment, with the ability to save one scene preset. The pushbutton version supports the same capabilities with three scene presets. Standard gang-box installation allows one or more units to be installed in a 3-1/2 inch (89 mm) deep electrical box (decorator-style faceplate sold separately). ZUMMESH-KP keypads are 100-277 Volts AC line powered.

Built-in Zum Mesh wireless technology affords easy “pair and play” integration as part of a complete Zum commercial room lighting system. Energy-saving options are available to enable daylighting, occupancy or vacancy sensing, and centralized monitoring and management.^[1]

Pair and Play

Designed with flexibility and ease-of-use in mind, Zum keypads are pre-programmed with “pair and play” functionality. An installer can simply install the keypad in a room along with Zum load controllers, occupancy or vacancy sensors, and a daylight sensor, set up the room with a few quick button taps, and then use the keypad to control the lights in the room – no programming required! Room setup can also be accomplished using the Zum app if the room is equipped with a Zum Network Bridge. The Zum Network Bridge also enables centralized monitoring and management via a Zum Floor Hub and Zum Wireless Gateway.^[1]

Zum Mesh Wireless Technology

Ultra-reliable Zum 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 Zum Mesh device acts as an “expander,” relaying wireless commands directly between Zum Mesh devices to ensure that every command reaches its intended destination without disruption.



Model ZUMMESH-KP10B-W-S show, faceplate sold separately.

Zum Mesh is smart! Every Zum Mesh device knows its purpose and just the right messages to communicate to other Zum Mesh devices within the space. Each Zum Mesh device that is added to the space effectively increases the range and stability of the peer-to-peer mesh network by providing multiple redundant signal paths. Each Zum 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 Zum Mesh devices is typically up to 50 ft (15 m) indoors.^[2]

Please refer to the Zum Lighting Control System Setup Guide (Doc # 7957A) for additional information.

SPECIFICATIONS

Power Requirements

Line Power: 120-277 Volts AC, 50/60 Hz

Wireless Communications

RF Transceiver: 2-way RF, 2.4 GHz ISM Channels 15, 20, 25, or 26 (channel auto-selected), IEEE 802.15.4 compliant
 Zum Mesh Range (Typical): 50 ft (15 m) indoor to nearest peer-to-peer mesh network device(s); Subject to site-specific conditions and individual device capabilities^[2]

Note: A maximum of 32 Zum Mesh wireless devices is permitted per room.

Controls & Indicators

Switch (-KP10A models only): (1) 3-Position rocker switch (spring return to center); press up to recall the Scene 1 preset (switched loads on and

ZUMMESH-KP Zūm Wireless Keypad

dimmed loads at their saved preset dim levels [default=90%], press down to turn all lighting loads off, press and hold up or down to raise or lower the dimming level for all dimmable lighting loads; also used for creating a preset, room setup, and factory reset

Buttons (-KP10B models only): (4) Pushbuttons as follows:

ON: Press to recall the Scene 1 preset (switched loads on and dimmed loads at their saved preset dim levels [default=90%]), press and hold to raise the dimming level for all dimmable lighting loads

SCENE 2: Press to recall the Scene 2 preset (switched loads on and dimmed loads at their saved preset dim levels [default=50%]), press and hold to save a new Scene 2 preset

SCENE 3: Press to recall the Scene 3 preset (switched loads on and dimmed loads at their saved preset dim levels [default=10%]), press and hold to save a new Scene 3 preset

OFF: Press to turn all loads off, press and hold to lower the dimming level for all dimmable lighting loads

Buttons are also used for creating presets, room setup, and factory reset

Feedback: (1) Green LED, indicates a button press; also used for creating presets, room setup, and factory reset

Connections

Hot: (1) 16 AWG Class 1 flying lead, black, line power input

Neutral: (1) 16 AWG Class 1 flying lead, white, neutral

Ground: (1) 16 AWG Class 1 flying lead, green, ground

Environmental

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

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

Construction

Composition: Plastic housing and front face with metal bracket

Mounting: Mounts in a 1-gang (or larger) 3-1/2 inch (89 mm) deep electrical box (not included)

Faceplate: Requires a [decorator-style faceplate](#) (sold separately)

Dimensions

Height: 4.13 in (105 mm)

Width: 1.75 in (45 mm)

Depth: 1.80 in (46 mm)

Weight

5 oz (142 g)

Standards & Certifications

CEC Title 24 2013^[3], ASHRAE 90.1-2016^[4], IECC-2015^[5], UL 916, FCC

MODELS & ACCESSORIES

Available Models

ZUMMESH-KP10A-A-S: Zūm Wireless Keypad, Rocker Switch, 100-277V, Almond Smooth

ZUMMESH-KP10A-B-S: Zūm Wireless Keypad, Rocker Switch, 100-277V, Black Smooth

ZUMMESH-KP10A-W-S: Zūm Wireless Keypad, Rocker Switch, 100-277V, White Smooth

ZUMMESH-KP10B-A-S: Zūm Wireless Keypad, 4-Button, 100-277V, Almond Smooth

ZUMMESH-KP10B-B-S: Zūm Wireless Keypad, 4-Button, 100-277V, Black Smooth

ZUMMESH-KP10B-W-S: Zūm Wireless Keypad, 4-Button, 100-277V, White Smooth

Available Accessories

FP-G Series: Decorator-Style Faceplate

ZUMMESH-JBOX-5A-LV: Zūm J-Box Load Controller, 0-10V Dimmer, 5A, 100-277V

ZUMMESH-JBOX-16A-LV: Zūm J-Box Load Controller, 0-10V Dimmer, 16A, 100-277V

ZUMMESH-JBOX-20A-SW: Zūm J-Box Load Controller, High Inrush Switch, 16A, 100-277V

ZUMMESH-JBOX-20A-PLUG: Zūm J-Box Load Controller, Plug Load Switch, 20A, 100-277V

Notes:

1. Item(s) sold separately. Refer to each product's spec sheet for more information.
2. "Zūm Mesh" refers to the peer-to-peer wireless mesh network within a room composed of dimmers, switches, load controllers, keypads, and sensors. AC-powered Zūm Mesh devices function as wireless "expanders," which effectively extend the range of the wireless network within the room. Battery-powered devices do not provide expander functionality. Networks composed predominantly of battery-powered devices may require additional AC-powered devices, such as the [ZUMMESH-JBOX-PSU](#), to function as expanders to fill any gaps in coverage.
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.

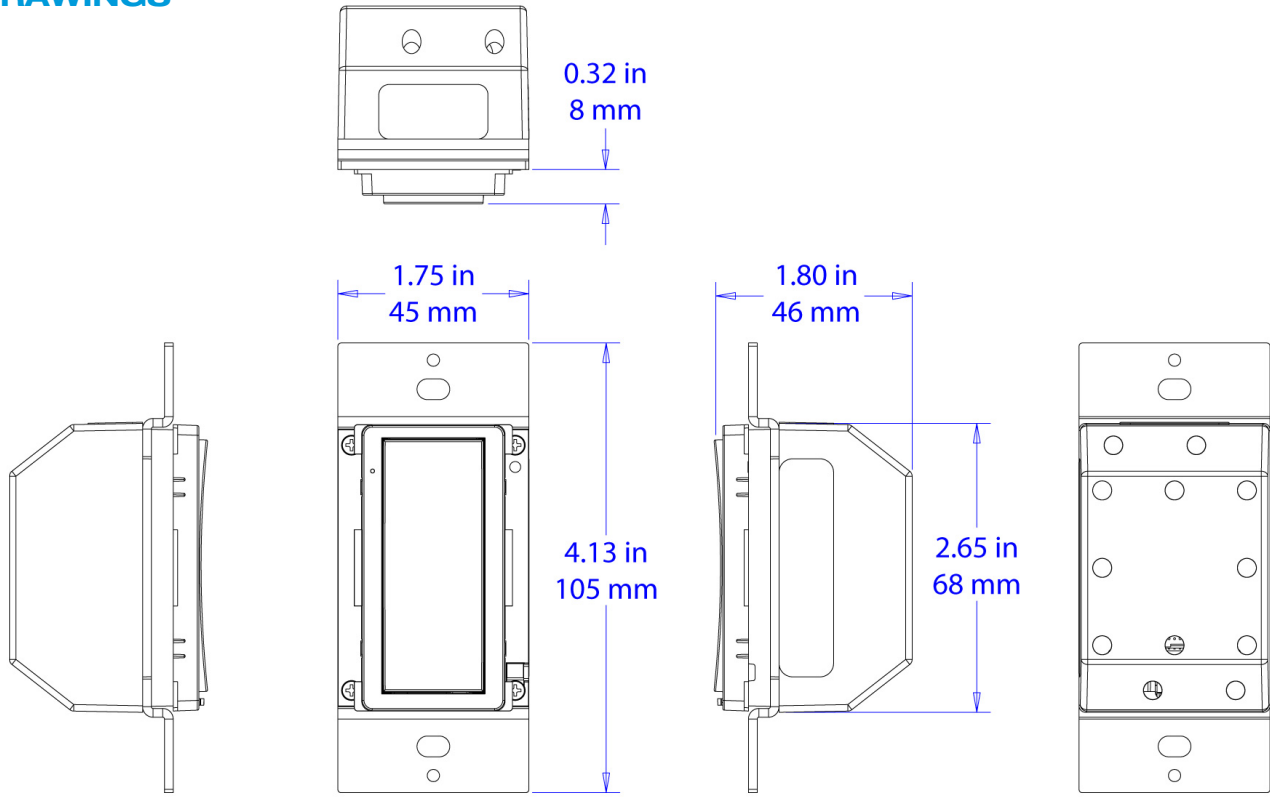
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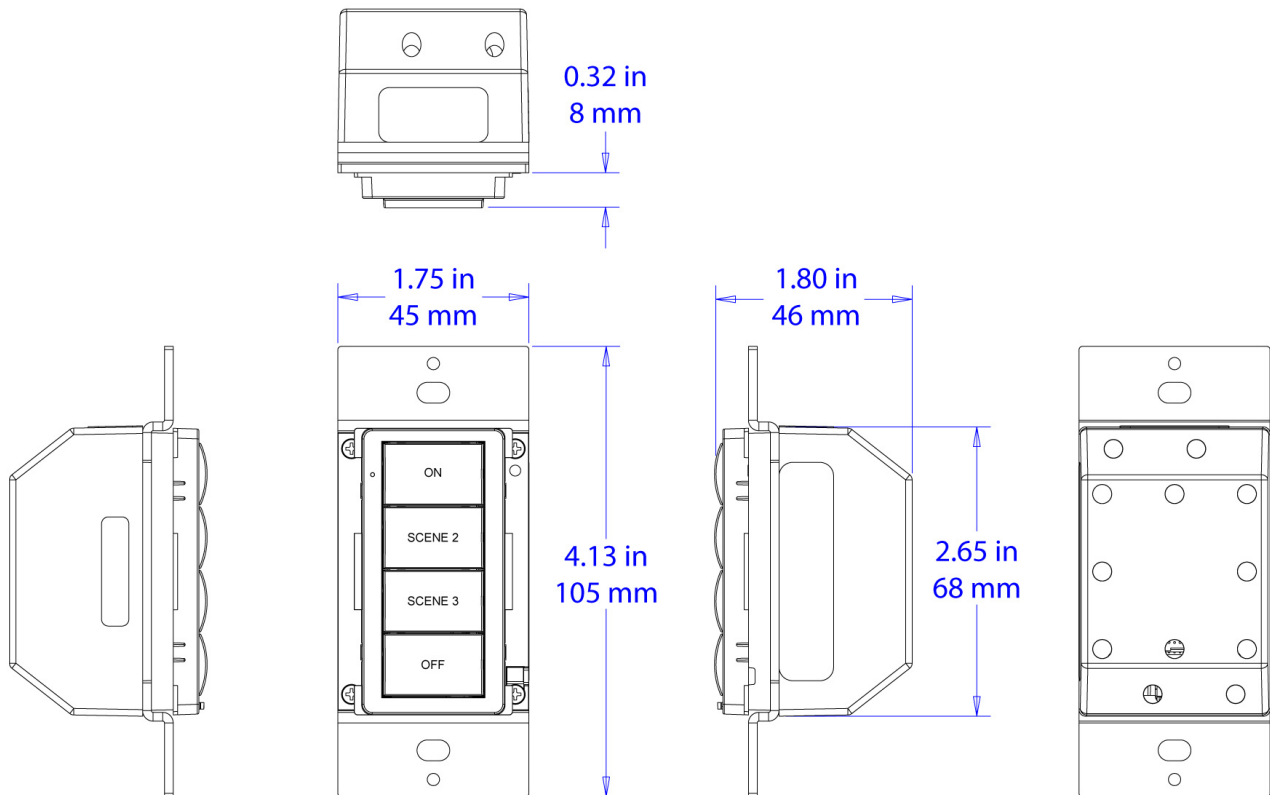
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ZUMMESH-KP Zūm Wireless Keypad

CAD DRAWINGS



Model ZUMMESH-KP10A



Model ZUMMESH-KP10B