
Commercial Lighting Control

Product Overview



Commercial Lighting Control

| | | | |
|---|-----------|--|-----------|
| Zūm Wired | 03 | Crestron SpaceBuilder® | 32 |
| Wired Load Controls | 04 | SpaceBuilder Distributed Systems | 34 |
| Wired User Interface | 08 | SpaceBuilder Panel | 36 |
| Wired Sensors | 10 | SpaceBuilder Feed-Thru Systems | 37 |
| Wired Accessories | 11 | SpaceBuilder Main Lug Panels | 39 |
| Zūm Wireless | 12 | SpaceBuilder DIN Rail System | 41 |
| Wireless Load Controls | 14 | Sensors | 42 |
| Wireless Keypads | 18 | Presence Detectors | 46 |
| Wireless Sensors | 20 | High-Voltage Standalone Sensors | 54 |
| Wireless Networking & Accessories | 25 | Network System Management ... | 58 |
| | | Control System Solutions | 60 |
| | | Expansion Panel | 64 |



Solutions For Every Space

Crestron simplifies commercial lighting control design, installation, and startup with products and systems designed to meet the individual needs of each space, all working together to create complete building control. This eliminates the over-specification and unnecessary programming inherent in most lighting control systems.

Our innovative Crestron Zūm® platform offers simple design, installation, and control. With unparalleled scalability, Zūm allows for lighting control in as many – or as few – spaces as required. Each space is configured with the optimal control system, accessories, and nothing more. This dramatically speeds completion of each phase of a lighting control project and greatly improves efficiency.

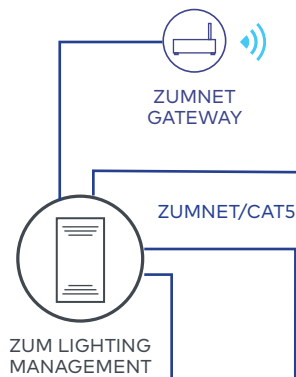
Easy Integration

All Crestron commercial lighting control systems can be networked together seamlessly and then integrated with Building Management Systems (BMS via BACnet/IP) or managed via the Crestron XiO Cloud® service. We offer both wired and wireless control solutions that integrate with products from nearly all lighting fixture manufacturers, allowing virtually unlimited configuration.



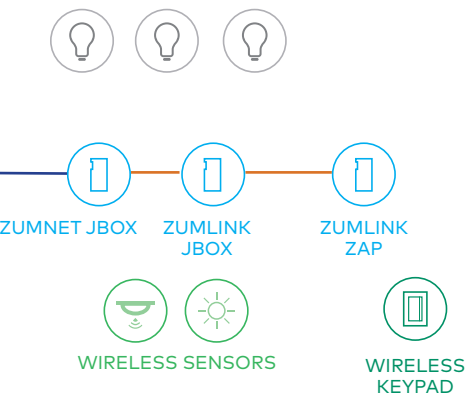
One Control Platform for Every Space & Application.

Centralized lighting management



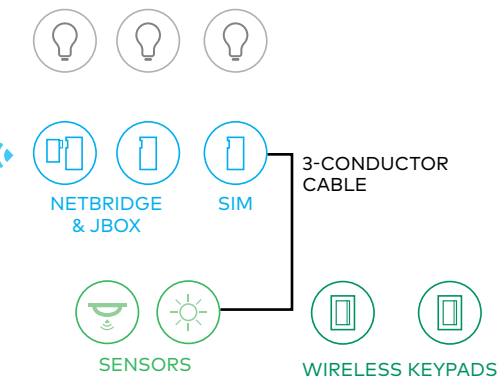
Hybrid room

Zūm hybrid systems



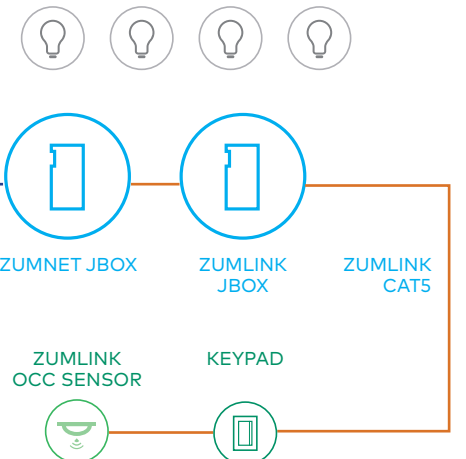
Classroom

Zūm wireless control



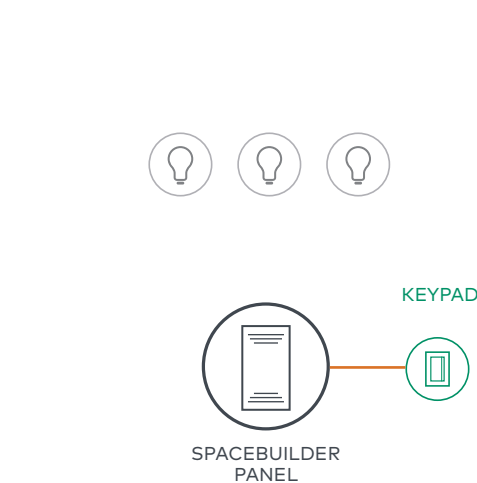
Cafetorium

Zūm wired control



Site lighting

SpaceBuilder™ panel



Zūm Wireless solutions

Zūm Wireless is a distributed lighting control system that uses industry standards, such as 0-10V, DALI®, DMX, and phase control and can be managed from a secure wireless 2.4 GHz

network. Zūm Wireless systems are scalable from just a single room with two devices up to 32,000 devices, 1,000 rooms or spaces, and nearly six million square feet!

Zūm Wired solutions

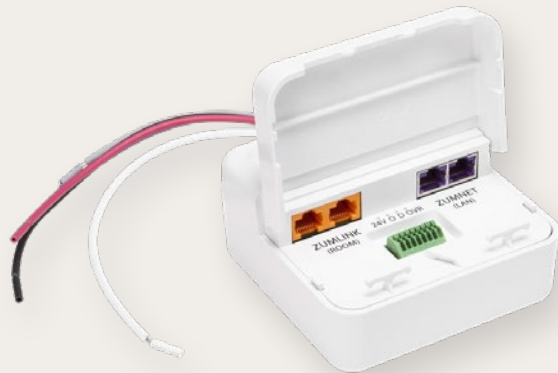
Zūm Wired systems offer the full Power of Ethernet for all forms of fixture control plus data management. Zūm Wired solutions use open protocol based on industry standards. Zūm Wired systems can be networked or stand alone, depending on local code requirements.

Design your space around the fixture needs, control types and user interfaces. Use a network-level ZUMNET controller to allow the space to use a high-speed Ethernet infrastructure for control and data.

Flexibility is the name of the game with Zūm Wired. Mix in wireless keypads and sensors to meet special project conditions, or add a Zūm Ethernet switch for additional sensor data collection and touch panel connectivity.



Zūm Wired Load Controllers



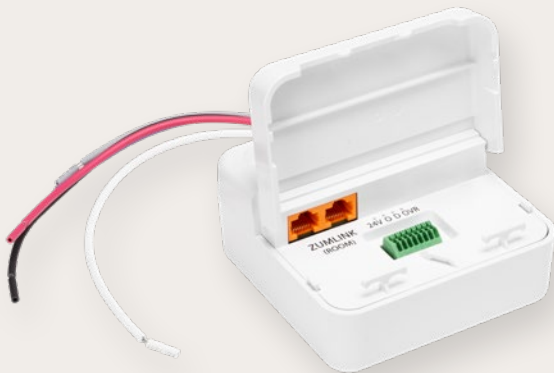
- ① **ZUMNET-JBOX-16A-LV**
16A 0-10 Volt Dimming, net level control
- ② **ZUMNET-JBOX-16A-LV-EM**
16A 0-10V Volt dimming, UL924 emergency control
- ③ **ZUMNET-JBOX-DALI**
DALI interface, net level control

Zūm Wired J-Box zone and room controllers

Using the Power of Ethernet, Zum delivers high performance and reliability for installations of up to 1,000 rooms, with the benefit of an IoT backbone for future system expansion. Traditional lighting control solutions use RS485 instead of Ethernet to manage the system. Zūm Wired is the first distributed lighting control platform in the industry to use the full bandwidth of Ethernet for system management.

| |
|--|
| Junction box mounted control |
| ZUMNET Ethernet connectivity with pass-through switch |
| ZUMLINK CAT5 connectivity for room control and expansion |
| Universal 120V-277V input |
| Plenum rated enclosure |
| Arcless switching for 1 million cycle relay lifetime |
| Built in I/O ports for sensors |
| Energy Monitoring technology |
| Built-in emergency override |

Zūm Wired Load Controllers



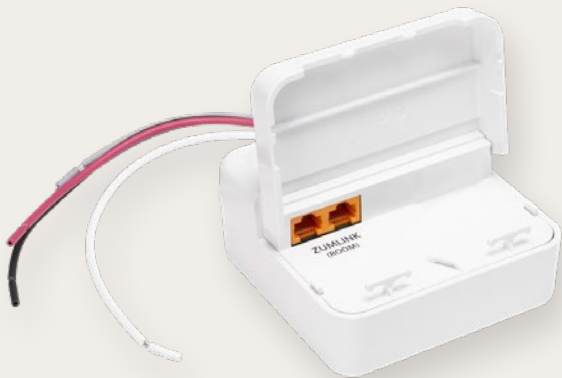
- ① **ZUMLINK-JBOX-16A-LV**
16A 0-10 Volt dimming, link level control
- ② **ZUMLINK-JBOX-20A-SW**
20A switching, link level control
- ③ **ZUMLINK-JBOX-20A-PLUG**
20A plug load, link level control

Zūm Wired J-Box zone and room controllers

ZUMLINK wired controls provide multi-zone expansion when connected to a ZUMNET wired load controller. ZUMLINK controllers can also be used in stand alone installations when networking is not required.

| |
|--|
| Junction box mounted control |
| ZUMLINK CAT5 connectivity for room control and expansion |
| Universal 120V-277V input |
| Plenum rated enclosure |
| Arcless switching for 1 million cycle relay lifetime |
| Built-in I/O ports for sensors |
| Built-in Emergency override |
| Energy Monitoring technology |

Zūm Wired Load Controllers



① **ZUMLINK-JBOX-16A-LV-E**
16A 0-10 Volt dimming, economy link level control

Zūm Wired J-Box zone and room controllers

ZUMNET and ZUMLINK wired specialty controls provide solutions for UL924 code-compliant installations, as well for installations that do not require energy monitoring.

| |
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| Junction box mounted control |
| ZUMLINK CAT5 connectivity for room control and expansion |
| Universal 120V-277V input |
| Plenum rated enclosure |
| Arcless switching for 1 million cycle relay lifetime |

Zūm Wired Load Controllers



① **ZUMLINK-EXP-16A-DIMU**
Universal Dimmer Module

Zūm Wired expansion zone and room controller

Zūm Link Universal Dimmer Module provides high-power, universal phase control for LED, incandescent, ELV, MLV, neone, cold cathode, and 2-wire fluorescent lighting loads.

| |
|---|
| High-power universal phase dimming control module |
| Universal 120V-277 VAC |
| Full 16 Amp dimming |
| Plenum rated enclosure |
| Built-in Emergency override |

Zūm Wired User Interface



Zūm Wired keypads

Zūm Link wired keypads provide dynamic control of individual spaces. The standard rocker provides basic load control, while the optional 2, 4, 6, and 8-button trees can be added in the field for enhanced functionality and scene recall.

| |
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| Standard wall box installation |
| Trimmed with gangable decorator style faceplates (not included) |
| Pad-printed labels or custom engraving options |
| Connected via ZUMLINK CAT 5 cable |
| LED feedback |
| Built-in Bluetooth Radio for system startup and control |
| Programmable via Zūm app, Zūm hub, or custom software |
| White, almond, black, gray and red |

Zūm Wired User Interface

Zūm Button Tree Options



- ① **ZUMLINK-KP-R-W**
Rocker-style keypad
- ② **ZUMLINK-BTN2-W/B/A/G/R-ENGRAVED**
Blank 2-button engraveable tree

③ **ZUMLINK-BTNR-W/B/A/G/R-ENGRAVED**
Blank 4-button engraveable tree

④ **ZUMLINK-BTN6-W/B/A/G/R-ENGRAVED**
Blank 6-button engraveable tree

⑤ **ZUMLINK-BTN8-W/B/A/G/R-ENGRAVED**
Blank 8-button engraveable tree
- ⑥ **ZUMLINK-BTN2-W/B/A/G/R**
Pad-printed 2-button tree

⑦ **ZUMLINK-BTN4-W/B/A/G/R**
Pad-printed 4-button tree

⑧ **ZUMLINK-BTN6-W/B/A/G/R**
Pad-printed 6-button tree

⑨ **ZUMLINK-BTN8-W/B/A/G/R**
Pad-printed 8-button tree

Zūm Wired Sensors



Zūm Wired Presence Sensors

Advanced Occupancy/Vacancy Sensors with Integrated Daylight sensor

| |
|--|
| ZUMLINK ceiling mount occupancy or vacancy sensor |
| PIR, US and DT technologies |
| 600 SF to 4000 SF coverage |
| CAT5 ZUMLINK connection |
| Available with HVAC relay |
| Integrated Daylight sensor reduces the need for additional sensor in some spaces |

- ① **ZUMLINK-DT-QUATTRO-DLS**
Dual technology sensor

② **ZUMLINK-DT-QUATTRO-DLS-RLY**
Dual technology sensor with HVAC relay

③ **ZUMLINK-US-QUATTRO-DLS**
Ultrasonic sensor

④ **ZUMLINK-US-QUATTRO-DLS-RLY**
Ultrasonic sensor with HVAC relay
- ① **ZUMLINK-IR-QUATTRO-DLS**
Passive infrared sensor

② **ZUMLINK-IR-QUATTRO-DLS-RLY**
Passive infrared sensor with HVAC relay

③ **ZUMLINK-IR-QUATTRO-HD-DLS**
4000SF, HD passive infrared sensor

④ **ZUMLINK-IR-QUATTRO-HD-DLS-RLY**
4000SF, HD passive infrared sensor with HVAC relay
- ① **ZUMLINK-HALLWAY-DLS**
Ultrasonic hallway sensor

② **ZUMLINK-HALLWAY-DLS-RLY**
Ultrasonic hallway sensor with HVAC relay

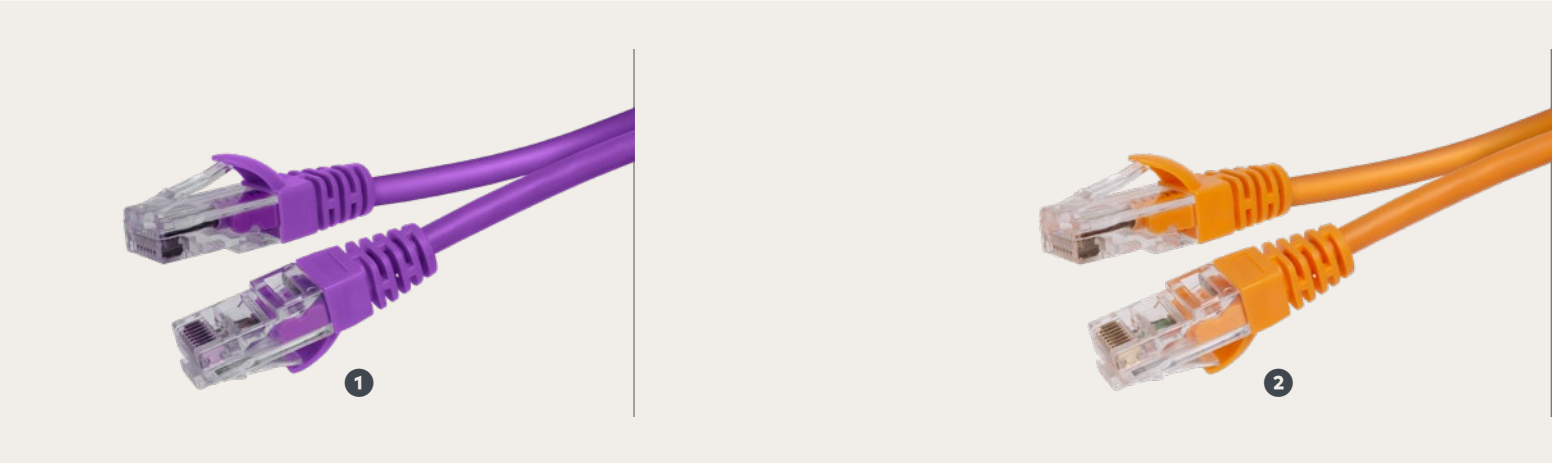
③ **ZUMLINK-ONEWAY-DLS**
Ultrasonic hallway sensor

④ **ZUMLINK-ONEWAY-DLS-RLY**
Ultrasonic hallway sensor with HVAC relay

Zūm Wired Accessories

Zūm Wired Cables

Color-coded Net and Link cables, for fast and simple installation, Plenum-rated, pre-terminated CAT5.



- ① **CBL-CAT5E-ZUMNET-P-25/50/100**
Zūm Net CAT5 Ethernet cable

Preterminated CAT5e cable for Zūm Net device communications between rooms in a Zūm Wired system

RS485 Communications

Plenum-rated jacket

RJ-45 connectors with dust cap

Available in three lengths
- ② **CBL-CAT5E-ZUMLINK-P-0.5/3/6/12/25/50**
Zūm Link CAT5 cable

Preterminated CAT5e cable for Zūm Link device communications within a Zūm Wired space

RS485 Communications

Plenum-rated jacket

RJ-45 connectors

Available in six lengths

ZŪM WIRELESS LIGHTING SOLUTIONS



A complete Zūm wireless lighting control system

Start with a Space

In-room Zūm control devices intelligently “pair and play” with Zūm keypads, occupancy sensors, vacancy sensors, and daylight sensors over Zūm Mesh, a reliable, peer-to-peer wireless communications topology. A few simple taps on each device sets up the lighting controls – no programming required. All the devices you need for energy efficient lighting control are available in the Zūm Mesh lineup.

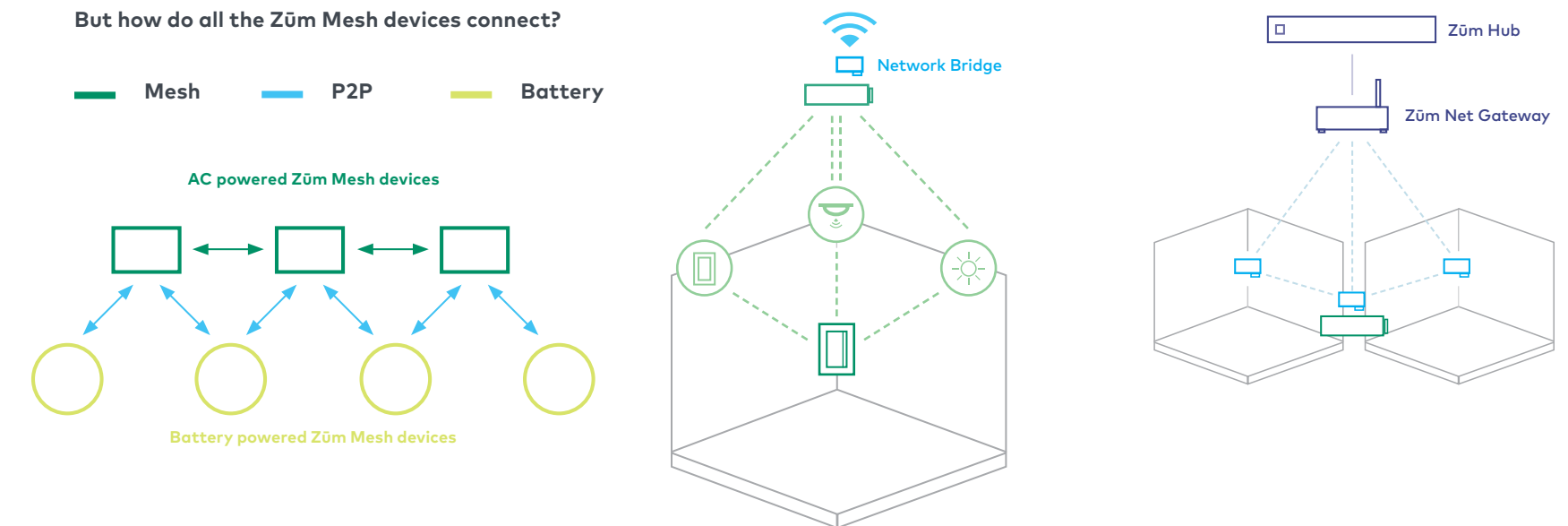
Networking is a Snap

Each Zūm space can then be networked with the addition of a Zūm Network Bridge, which allows Zūm wireless spaces to talk back to the Zūm Hub via a gateway. The Network Bridge connects to a setup app for configuring and control of all the Zūm devices in the room from your mobile device. Zūm multi-room networking devices expand the system from a single room or a series of single rooms to an enterprise-wide lighting control system via Zūm Net communications.

Manage Multiple Zūm Spaces

Building-wide lighting control is just as easy as in-room lighting control. With a Zūm Network Bridge installed in every room, all you need is a Zūm Hub and a Zūm Net Gateway to tie all of your rooms together. The Zūm Hub provides the control and the Zūm Net Gateway provides wireless communications to centrally manage, monitor, and control every Zūm space via a Zūm Hub or the Crestron XiO Cloud service.

But how do all the Zūm Mesh devices connect?



Zūm Wireless Load Controls

Zūm Wireless J-Box Load Controllers

Marked by intelligent “pair and play” room lighting control with essential features for energy efficiency, each ZUMMESH-JBOX model wirelessly connects to Zūm daylight sensors, occupancy sensors, vacancy sensors, and keypads over the Zūm Mesh network. A complete Zūm system with sensors and zone controllers provides intelligent lighting control based on the amount of natural light and the presence of people in a space.



- | | |
|--|--|
| ① ZUMMESH-JBOX-5A-LV 5A 0 – 10 Volt Dimming | Zūm junction box-mounted lighting control |
| ② ZUMMESH-JBOX-16A-LV 16A 0 – 10 Volt Dimming | Wireless integration with Zūm keypads and occupancy, vacancy, and daylight sensors |
| ③ ZUMMESH-JBOX-20A-SW 20A Switching | 4" x 4" junction box mounting via ½" conduit knockout |
| ④ ZUMMESH-JBOX-20A-PLUG 20A Plug Load | Universal 120-277 VAC input |
| ⑤ ZUMMESH-JBOX-DALI (see next spread) DALI dimming | Plenum-rated (Chicago plenum housing available as option) |
| | Switched outputs utilize arc-less switching, ensuring 1 million cycle relay lifetime |
| | Provides a plug-in port for connecting a Zūm Network Bridge |

Zūm Wireless Load Controls

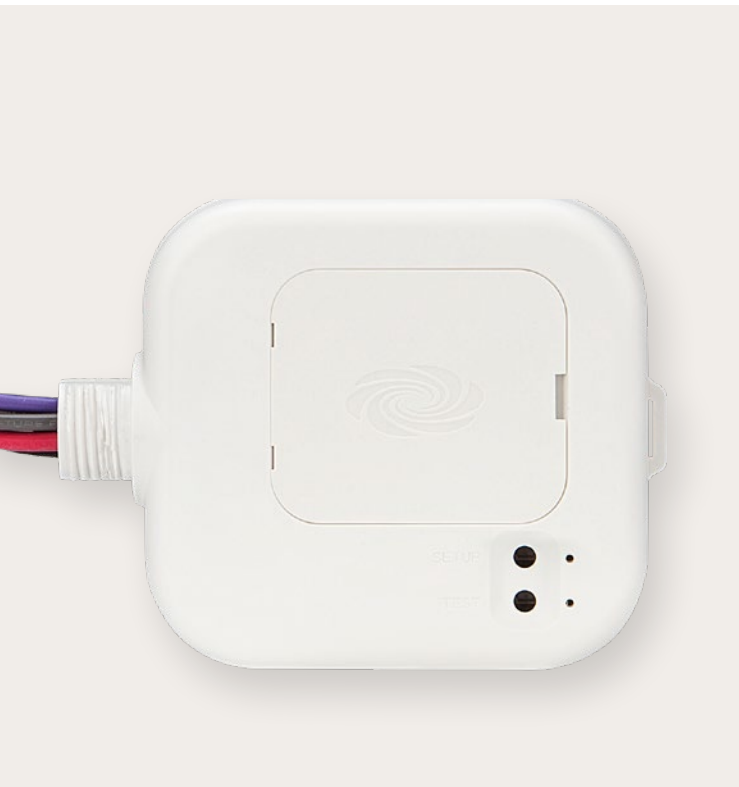
Zūm Wireless Universal Dimmer

Required to control large forward or reverse phase loads, such as chandeliers or track lighting in ballrooms or museums, or decorative lamps in large hotel foyers.



- | | |
|--|--|
| ZUMMESH-EXP-16A-DIMU Wireless Universal Dimmer | Wireless integration with Zūm keypads and occupancy, vacancy, and daylight sensors |
| | High-power universal phase dimming control module |
| | Universal 120V-277 VAC |
| | Full 16 Amp dimming |
| | Plenum rated enclosure |
| | Built-in Emergency override |

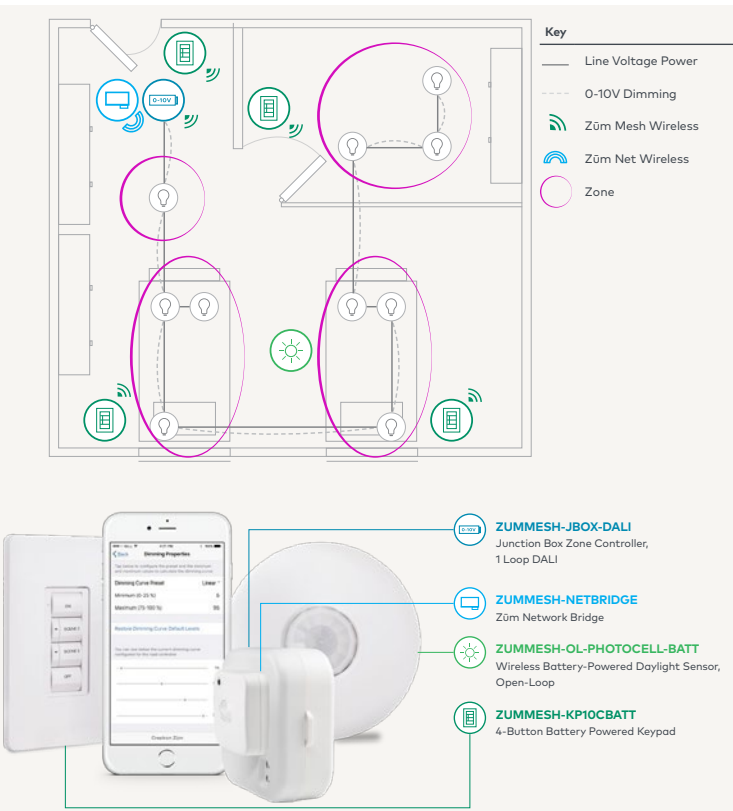
Zūm Wireless Load Controls



ZUMMESH-JBOX-DALI
DALI dimming

Zūm Mesh DALI

Single-loop DALI® controller capable of controlling up to 64 DALI compatible drivers. The ZUMMESH-JBOX-DALI communicates with other Zūm wireless devices such as keypads and occupancy sensors. Zūm Mesh wireless technology affords easy “pair and play” integration as part of a complete Zūm commercial lighting system. Energy-saving options are available to enable daylighting, occupancy or vacancy sensing, HVAC system integration, and centralized monitoring and management.

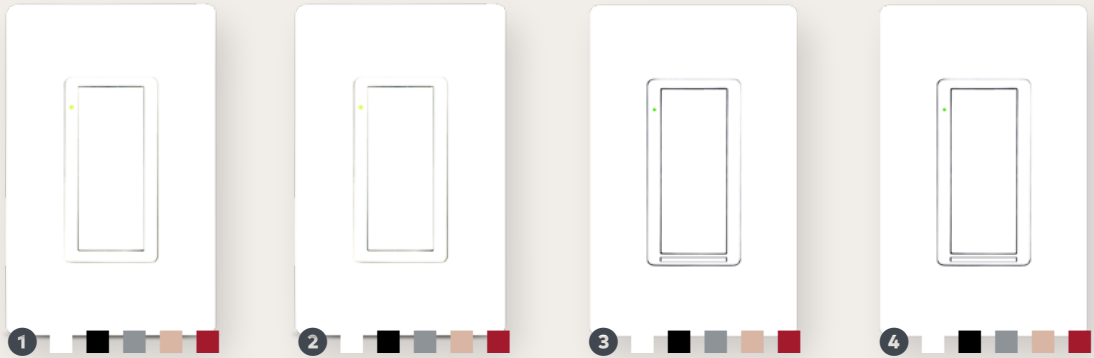


- Zūm J-Box mount device
- Single DALI loop (64) DALI drivers per J-Box Controller
- Up to 15 groups (zones)
- Zūm Mesh wireless network communication
- Docking port for Network Bridge
- Interface with SolarSync™ sensor
- Program for Zūm app, iOS® and Android™ operating system devices
- DALI 2 protocol

Zūm Wireless Load Controls

Zūm Wireless Wall Box Load Controllers

Zūm wireless wall-box zone controllers include a 5 Amp 0-10V, ELV and MLV dimmers, and a 5 Amp switch. Available in five colors and configured with a “pair and play” rocker, the Wall-Box Zone Controllers are versatile and easy-to-use additions to the Zūm commercial lighting system. Powered via line voltage AC, their streamlined design and out-of-the-box functionality is advantageous in new or retrofit installations.



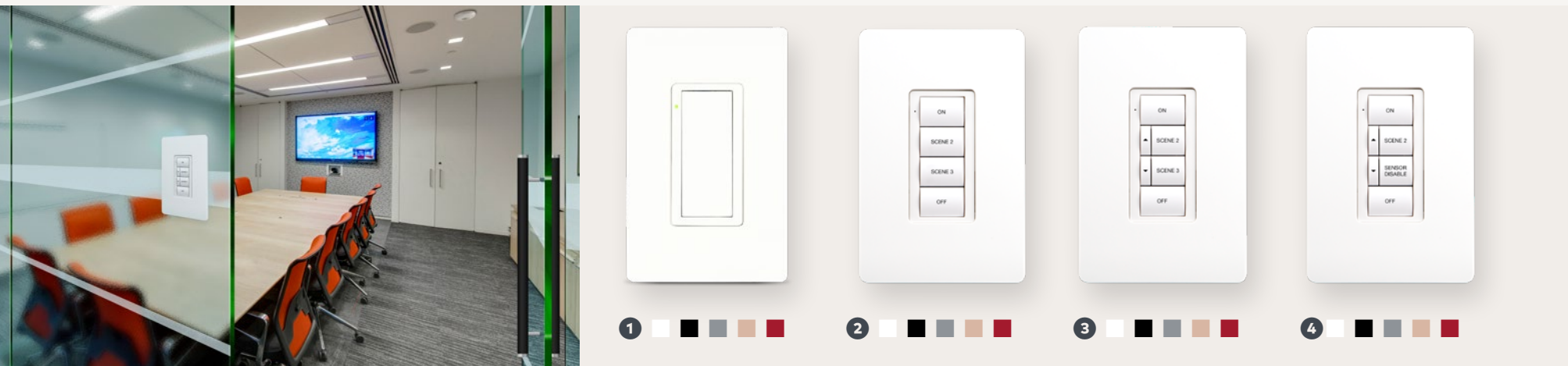
- ① **ZUMMESH-5A-SW-W-S**
5A Switching
- ② **ZUMMESH-5A-LV-W-S**
5A 0 – 10 Volt Dimming
- ③ **ZUMMESH-DELV-W-S**
500W ELV Dimming
- ④ **ZUMMESH-DIM-W-S**
1200W FWD Phase Dimming

- “Pair and play” functionality with Zūm occupancy, vacancy, and daylight sensors
- Lighting control via a rocker switch
- Available in white, black, gray, almond, red colors
- Flying lead connectors for easy installation
- Standard wall-box installation, trimmed with gangable decorator-style faceplates*
- Universal 120-277 VAC inputs
- *Sold separately

Zūm Wireless Keypads

Zūm Battery Powered Wireless Keypads

Extremely slim battery-powered Zūm wireless keypads offer flexible installation. Available in five designer colors and configured with either a rocker or in one of three “pair and play” button layouts, these keypads are powered by a battery and are slim enough to mount to a wall or glass surface without the need for a back box.



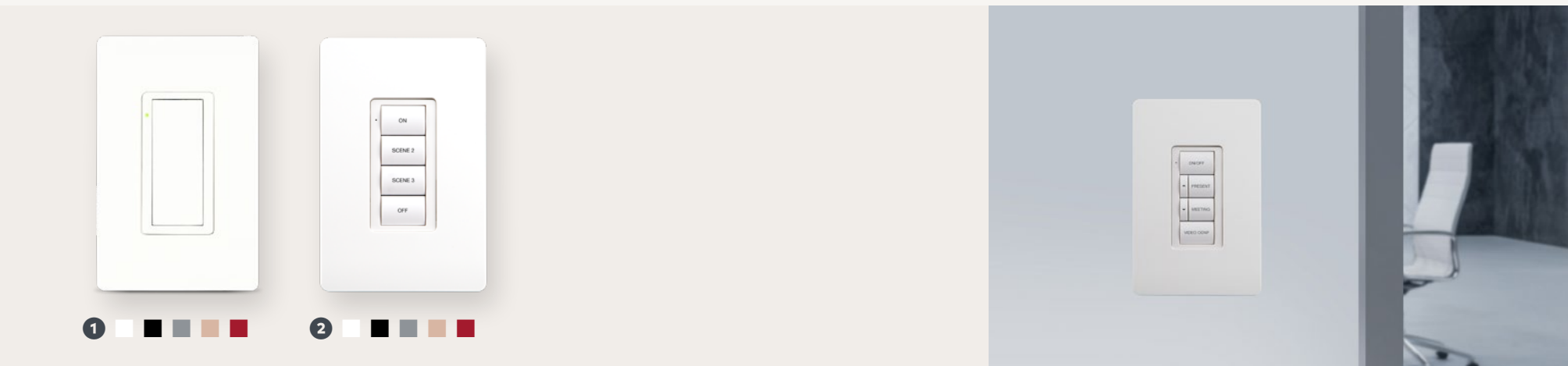
- ① **ZUMMESH-KP10ABATT-W-S**
Zūm Rocker Switch, White, Smooth
- ② **ZUMMESH-KP10BBATT-W-S**
Zūm 4-Button Keypad, White, Smooth
- ③ **ZUMMESH-KP10CBATT-W-S**
Zūm 6-Button Keypad, White, Smooth
- ④ **ZUMMESH-KP10DBATT-W-S**
Zūm 6-Button w/Sensor Control, White, Smooth

| |
|---|
| Zūm battery-powered wireless keypad |
| Pair-and-play functionality with a Zūm Zone Controller |
| Available in white, black, gray, almond, red colors |
| Ultra-thin profile, — no thicker than a decorator-style faceplate* |
| Standard wall-box installation, trimmed with gangable decorator-style faceplates* |
| Optional glass back slider for on-glass installations |
| Powered via one CR2032 coin cell battery (included), up to 7-years of life |
| *Sold separately |

Zūm Wireless Keypads

Line Voltage Wireless Keypads

AC-powered Zūm wireless wall-box keypads are available in five designer colors. Configured with either a rocker or a “pair and play” four-button layout, their streamlined design and out-of-the-box functionality is advantageous in new or retrofit installations.



- ① **ZUMMESH-KP10A**
Zūm Rocker AC-Powered Keypad
- ② **ZUMMESH-KP10B**
Zūm 4-Button AC-Powered Keypad

| |
|---|
| Zūm AC-powered wireless keypad |
| Pair-and-play functionality with a Zūm Zone Controller |
| Configurable with a rocker switch or a pre-programmed 4-button layout |
| Available in white, black, gray, almond, red colors |
| Flying lead connectors for easy installation |
| Standard wall-box installation, trimmed with gangable decorator-style faceplates* |
| Universal 120-277 VAC inputs |
| *Sold separately |

Zūm Wireless Sensors



Zūm Wireless Battery-Powered Occupancy Sensor

Low-profile, battery-powered occupancy sensor designed to detect when areas up to 500 sq. ft. are occupied and when they are vacant. The occupancy sensor utilizes a passive infrared (PIR) sensor to deliver a powerful and cost-effective solution for reducing energy consumption and enhancing the functionality of standalone and networked Zūm lighting systems.

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

| |
|--|
| Zūm ceiling-mount occupancy sensor |
| Passive infrared motion detection |
| 360-degrees, 500 sq. ft. of coverage |
| Lithium-ion 9-Volt battery powered, 10 years of life |
| Automatic ON, Automatic OFF |
| Grace occupancy feature |

Zūm Wireless Sensors



Zūm Wireless Battery-Powered Vacancy Sensor

Low-profile, battery-powered vacancy sensor designed to work with a Zūm lighting system to turn lights off when an area up to 500 sq. ft. is vacant. The vacancy sensor utilizes a passive infrared (PIR) sensor to deliver a powerful and cost-effective solution for reducing energy consumption and enhancing the functionality of standalone and networked Zūm lighting systems.

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

| |
|--|
| Zūm ceiling-mount vacancy sensor |
| Passive infrared motion detection |
| 360-degrees, 500 sq. ft. of coverage |
| Lithium-ion 9-Volt battery powered, 10 years of life |
| Grace occupancy feature |
| Manual ON, Automatic OFF |

Zūm Wireless Sensors



Zūm J-Box Sensor Integration Module

Enables hard-wired, low-voltage occupancy and daylight sensors to be used with a Zūm commercial lighting system. Allows contact closure from other devices, in addition to sensors.



ZUMMESH-JBOX-SIM
Zūm J-Box Sensor Integration Module

- Supports occupancy or vacancy sensing, plus daylighting, and provides 24V Power (250mA)
- Compatible with Crestron GLS-ODT-C-NS, GLS-OIR-C-NS occupancy sensors
- Compatible with Crestron GLA-LDS-PC-0-10 open-loop daylight sensor
- Compatible with STEINEL occupancy sensors and presence detectors and provides 24V Power (250mA)
- Pair-and-play wireless integration with Zūm dimmers, switches, and load controllers
- 120V – 277V powered

Zūm Wireless Sensors



Zūm Wireless Battery-Powered Daylight Sensor

Battery-powered, wireless, open-loop (dual loop calibration) daylight sensor that provides superior natural light sensing and indoor lighting control in daylight harvesting applications. An internal photocell for open-loop daylight sensing effectively cuts costs while providing exceptional daylight sensing in new construction or retrofit applications.

The dual-loop auto-calibration process discovers the optimal light settings in just a few minutes — one press of a button is all it takes to achieve reliable and energy efficient daylight harvesting in any Zūm space.

ZUMMESH-OL-PHOTOCELL-BATT
Zūm Wireless Battery-Powered Daylight Sensor

- Zūm open-loop, battery-powered daylight sensor
- Ceiling or surface mounting for both sidelight and toplight applications
- Local button lets users commission and auto-calibrate the daylight harvesting system
- 10-year battery life via two Lithium-ion AAA batteries
- Sleek, compact design

Zūm Wireless Sensors



ZUMMESH-PART
Zūm Wireless Partition Sensor

Zūm Wireless Partition Sensor

Passes messages between 2–4 rooms that have Zūm Mesh devices when a partition is open. This allows for the two rooms to be treated as one for the purpose of occupancy sensors and keypads.



- Powered by 24V
- Multiple Partition sensors may be used to combine up to four Zūm spaces
- Mounts to single gang wallbox

Zūm Wireless Networking and Accessories



ZUMMESH-NETBRIDGE
Zūm Network Bridge



Zūm Network Bridge

Enables Zūm device setup from a mobile app and integrates a standalone Zūm lighting control space or room with the Zūm Hub for a centrally managed, enterprise-wide lighting control system. Turning Zūm single-room lighting controls into a smart system is a snap with the Zūm Network Bridge.

- Converts standalone Zūm lighting control system for a single room into a centrally managed, networked system
- Provides access to Zūm Setup App for room configuration, built-in Bluetooth® connectivity
- Zūm Net mesh communications technology for a complete networked Zūm wireless lighting control solution
- Snap on to Zūm J-Box Zone Controller, Zūm Network Bridge Power Supply, or Zūm J-Box SIM

Zūm Wireless Networking and Accessories



Zūm Net Gateway

Two-way RF wireless gateway designed for use with Crestron Zūm wireless devices. A single gateway auto-acquires all Zūm Network Bridges within range, enabling an entire multi-room Zūm Net wireless communications network for commercial lighting control. The Zūm Gateway connects to the Zūm Hub to provide central monitoring, management, reporting, and control of lighting systems throughout the enterprise.

ZUMNET-Gateway
Zūm Net Gateway

| |
|---|
| Built-in RF network diagnostics |
| Range of up to 250 feet (76.2 meters) to nearest Zūm Network Bridge |
| Surface or DIN rail mountable using bracket provided |
| Plenum-rated case |
| Up to 30 gateways can be connected to each Zūm Floor Hub |
| Up to 50 Zūm Netbridges can be connected to a single Gateway |
| PoE powered |

Zūm Wireless Networking and Accessories



Zūm J-Box Power Supply

The ZUMMESH-JBOX-PSU is an accessory power supply that mounts to a four inch square junction box and provides a host for a Zūm Network Bridge (ZUMMESH-NETBRIDGE) or Zūm Contact Closure Output (ZUMMESH-CCO). It communicates wirelessly with other Zūm Mesh devices in a Zūm commercial room lighting system to enable centralized monitoring and management using the network bridge, or to enable integration with an HVAC system using the contact closure output.

The ZUMMESH-JBOX-PSU is similar to a ZUMMESH-JBOX load controller, but without any dimming or switch circuitry onboard.

ZUMMESH-JBOX-PSU
Zūm J-Box Power Supply

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|---|
| Zūm junction box-mounted power supply for Zūm accessories, such as the Zūm Network Bridge and the Zūm Contact Closure Output |
| Zūm Network Bridge integration for Zūm spaces controlled via Zūm dimmers or switches |
| Zūm Mesh peer-to-peer RF communications for easy integration into a complete standalone or networked Zūm wireless lighting control solution |
| Wireless integration with Zūm keypads, occupancy sensors, vacancy sensors, and daylight sensors |

Zūm Wireless Networking and Accessories



Zūm Contact Closure Output

Small module that snaps onto a ZUMMESH-JBOX (Zūm J-Box Load Controller) or ZUMMESH-JBOX-PSU (Zūm J-Box Accessory Power Supply). This enables integration with a HVAC system or other equipment via its low voltage SPDT form-C contact closure to a Zūm commercial room system. The CCO is controlled by the occupancy or vacancy sensors in the room. When the room is occupied, the relay engages. When the room is vacant, the relay disengages.

ZUMMESH-CCO
Zūm Contact Closure Output

- Adds a contact closure output
- Low-voltage SPDT form-C relay activates and deactivates on signal from room occupancy sensor
- Rated 1 Amp @ 30 volts AC
- Enables integration with HVAC equipment to save energy
- Attaches to Zūm J-Box Accessory Power Supply

Zūm Wireless Networking and Accessories

Zūm AV Bridge

Wireless control integration module designed for use with wireless keypads, as well as occupancy and vacancy sensors. A simple, brand-agnostic command set allows for integration with both Crestron and third-party systems via RS-232 or USB. The AV Bridge pairs wirelessly with keypads and sensors in a room without requiring a separate wireless gateway.



ZUMMESH-AVBRIDGE
Zūm AV Bridge

- Wireless “pair and play” in-space with Zūm Mesh lighting controls
- Bi-directional RS-232 or USB communication AV system
- Mounts inconspicuously at the AV equipment location
- Powered via 24Vdc or USB

Zūm Wireless Networking and Accessories

Chicago Plenum Enclosure for Zūm Wireless J-Box Devices

An air-tight, metal enclosure designed to mount a Zūm J-Box device in a plenum space. The ZUMMESH-JBOX-FMKT-CP maintains compliance with the City of Chicago Environmental Air (CCEA) requirements.



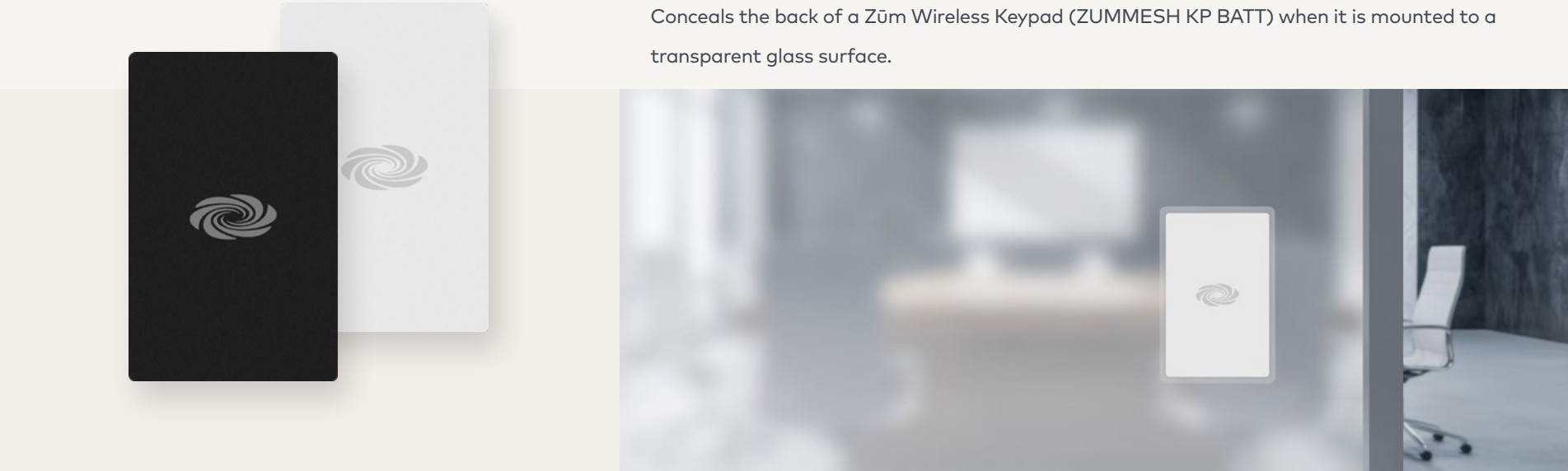
ZUMMESH-JBOX-FMKT-CP
Chicago Plenum Enclosure for Zūm Wireless J-Box Devices

- 16 gauge, zinc-coated steel
- Compliant with the City of Chicago Environmental Air (CCEA) requirements for mounting in a plenum space
- Metal partition to separate Class 1 and Class 2 wiring and mount a Zūm Wireless J-Box device
- Secure to a stud, hanger, or conduit in the plenum with the opening in the room
- (7) 1/2 in. and (8) 3/4 in. push-back style, air-tight knockouts
- Dimples placed on the bottom of the box for easy drilling
- White plastic cover to conceal the Zūm J-Box device

Zūm Wireless Networking and Accessories

Adhesive Label for Glass Mounted Zūm Wireless Keypads

Conceals the back of a Zūm Wireless Keypad (ZUMMESH KP BATT) when it is mounted to a transparent glass surface.



ZUMMESH-KP-BATT-LM
Adhesive Label

- Elegantly conceals the rear of a ZUMMESH KP BATT when it is mounted to transparent glass
- Easily adheres to clean, smooth glass



Crestron **SPACEBUILDER®**

Crestron SpaceBuilder systems are the fastest way to design, install, and start up commercial lighting controls for any size building or system. Space-based packaging allows for quick project material sorting, and optional pre-paired option from the factory saves time in the field. SpaceBuilder online tools help you quickly and easily find the system you need and then design the system according to the distinct needs of your space.

SpaceBuilder Distributed Systems

GLZUM SpaceBuilder System

An ideal wireless lighting control system for any space, new construction, or retrofit. It provides dimming, switching, motion sensing, keypads, and plug load control. Each GLZUM space can support up to 32 Zūm devices.



GLZUM SpaceBuilder System

SpaceBuilder Distributed System

- 32 Zūm mesh devices
- Configured through the Zūm app
- RF pairing in factory (optional)
- Forward- and reverse-phase, 0-10V dimming/switching, plug load
- Battery or high voltage operated keypads
- Up to 8 wireless occupancy/vacancy sensors
- Dual tech 24V motion sensors supported through ZUMMESH-SIM
- 1 dual loop daylight sensors (each zone of lighting has an unique daylighting profile)
- RS-232 / USB AV integration
- Dry contact closure output to share occupancy status with HVAC system

SpaceBuilder Distributed Systems

GLIPACSW8 SpaceBuilder System

Perfect for spaces such as retail stores, small offices, parking garages, and service stations that typically require only ON/OFF switching.



GLIPACSW8 SpaceBuilder System

SpaceBuilder Distributed System

- 8 to 40 zones of switching; built-in time clock
- Standalone or networkable configurations
- Up to 10 keypads; up to 10 vacancy and 10 daylight sensors
- Class 1 NEMA enclosure for remote location
- Works with Zūm systems



SpaceBuilder Panel

SpaceBuilder Panel is a Crestron process that simplifies panel design, production, and delivery for jobs that still require large panel-based systems. Removing the complexity of custom design, complex build sheets, and inconsistent solutions, SpaceBuilder Panel allows a designer to quickly and effectively design a system using simple, dynamic spec sheets, which also serve as factory production build sheets.

SpaceBuilder Panel also provides flexibility by offering both 120V and 277V options along with MLO and feed-thru cabinets. From a simple restaurant to a large stadium project, the simple configurable spec sheets can work for any application.

SpaceBuilder Panel also has the option of an internal control system for a smaller installation, or can be linked via Cresnet® or Ethernet communications from a Züm Hub for master time clock, BMS, and demand response integration.

DALI and DMX are also covered as part of the SpaceBuilder Panel solution with the SpaceBuilder DIN solution, allowing a designer to build systems from 2 DALI network loops up to 32 DALI network loops, or DMX ecosystems.

SpaceBuilder Panel: Simple. Fast. Easy.

SpaceBuilder Feed-Thru Systems

GLCAEN-FT SpaceBuilder System

Ideal for spaces where distributed or wireless controls aren't appropriate.



GLCAEN-FT SpaceBuilder System
SpaceBuilder Feed-Thru System



- Control up to 56 lighting zones with astronomical time-clock
- Configurable emergency/life safety zones
- 2-wire forward phase dimming
- 2-wire universal phase
- 4-wire 0-10 V dimming
- Multizone switching
- Optional internal control processor or ethernet uplink
- 120V or 277V versions available
- Works with Züm systems and Züm wired interfaces

SpaceBuilder Feed-Thru Systems

GLEX-FT SpaceBuilder System

Great for spaces that don't have accessible ceilings, such as auditoriums, warehouses, sports venues, and large parking structures. With 16 Amp zones available, the GLEX-FT solution supports very large spaces.



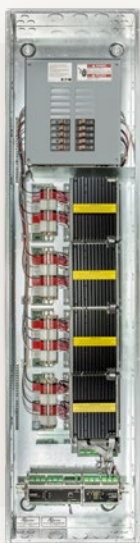
GLEX-FT SpaceBuilder System
SpaceBuilder Feed-Thru System

- Control up to 42 lighting zones; multizone switching with astronomical time-clock
- Configurable emergency/life safety zones
- 2-wire forward phase dimming, 0 – 10V dimming, switching
- 100K/1,000K cycle switching
- Works with Zūm systems and Zūm wired interfaces
- 120 or 277V versions available

SpaceBuilder Main Lug Panels

GLCAEN-MLO SpaceBuilder System

An MLO cabinet with flexible load types. It's great for spaces that don't have accessible ceilings such as auditoriums, hotels, sports venues, and large parking structures.



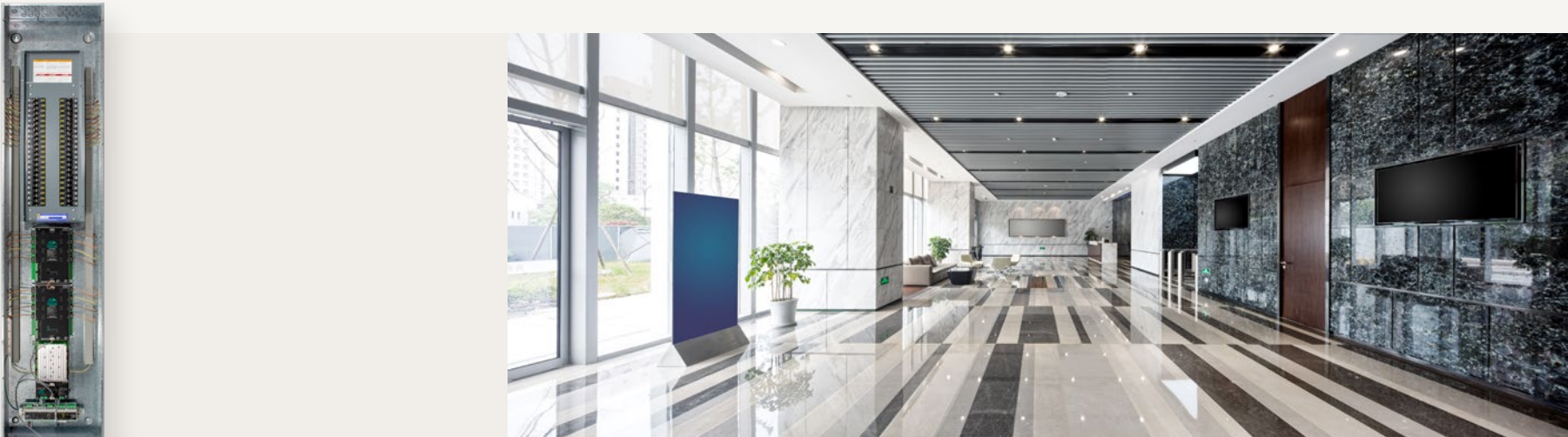
GLCAEN-MLO SpaceBuilder System
SpaceBuilder Main Lug Panel

- Control up to 32 lighting zones; multizone switching
- Configurable emergency/life safety zones
- 2-wire forward phase dimming
- 2-wire universal phase or 4-wire 0-10 V dimming
- 20 A, GFCI, or AFCI breakers - 10 kAIC rated, Eaton CHF series, 120V
- Optional internal control processor
- Works with Zūm systems and Zūm wired interfaces

SpaceBuilder Main Lug Panels

GLEP-MLO SpaceBuilder System

An MLO cabinet with space for up to 42 zones. It's great for spaces that don't have accessible ceilings such as auditoriums, warehouses, sports venues, and large parking structures.



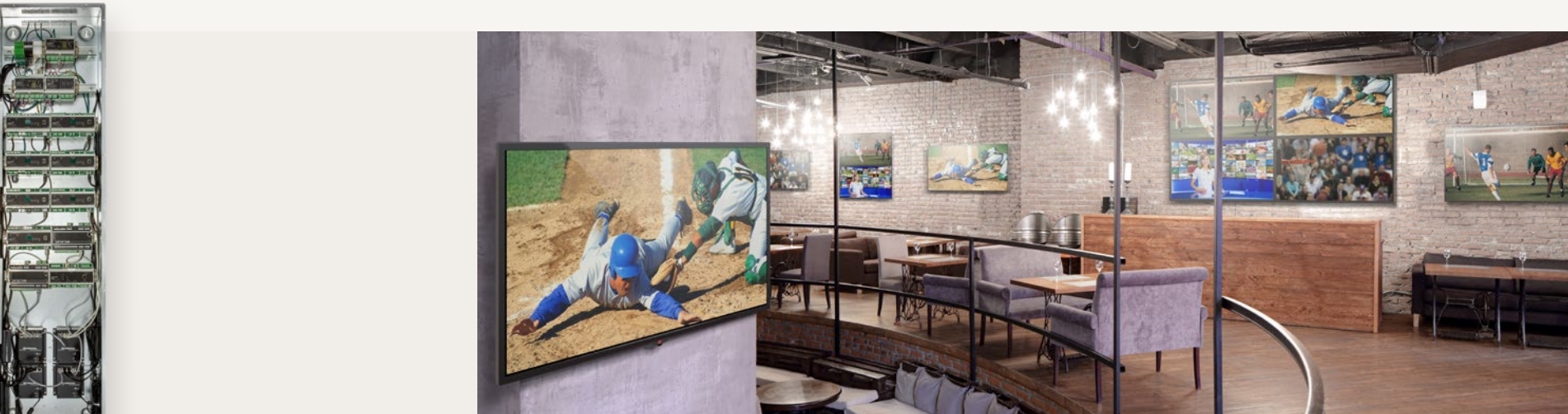
GLEP-MLO SpaceBuilder System
SpaceBuilder Main Lug Panel

- Control up to 42 lighting zones; multizone switching
- Configurable emergency/life safety zones
- 2-wire forward phase dimming, 100K/1,000K cycle switching
- 3-phase 120 or 277 VAC
- Optional processor
- Works with Züm systems and Züm wired interfaces

SpaceBuilder DIN Rail System

GLDIN SpaceBuilder System

Great for digital lighting projects using DALI or DMX protocols. Also useful for Ethernet and Cresnet distribution.



GLDIN SpaceBuilder System
SpaceBuilder DIN Rail System

- DIN-EN Series enclosures provide 2, 3, 6, or 9 DIN rails
- Astronomical time-clock lighting control with built-in processor option
- DIN-DALI-2 provides from 2 to 32 loops.
- DMX for full show-control and RDM support using DIN-DMX-1UNIVERSE or DIN-DMX-2UNIVERS
- Works with Züm systems and Züm wired interfaces



Sensors

Crestron offers a variety of Sensors outside of the Zūm platform that can be used with both Zūm systems as well as spacebuilder and custom solutions.

Sensors



GLS-LCCT
Crestron SolarSync Outdoor Daylight and Color Temperature Sensor



Crestron SolarSync™ Sensor

Measures true color temperature and intensity of natural sunlight or any other lighting source.

Enables indoor lighting to be regulated to match the actual natural sunlight outdoors.

IP67 rated for outdoor rooftop installation.

Also suitable for indoor applications.

Sensors

Dual-Loop Photosensor

Dual photosensor for open- and closed-loop applications. Measures the ambient light level from all light sources source. Versatile flush or surface ceiling mounting.



GLA-LDL-PC-0-10
Dual-Loop Photosensor (White)
GLA-LDL-PC-0-10-B
Dual-Loop Photosensor (Black)

- Ceiling-mount photosensor, used in both open-loop and closed-loop applications
- Measures the ambient light level from all light sources
- 60° cone of coverage for open-loop and closed loop applications
- Closed-loop light sensitivity ranging from 3-300 fc
- Open-loop light sensitivity with three ranges: 3-300 fc, 30-3000 fc, and 60-6000 fc
- 0 to 10 VDC analog control output
- Versatile flush or surface mounting
- Control system interface via Cresnet® network or analog input

Sensors

CN and NS Sensors

CN and NS sensors provide Cresnet® connectivity for direct connection to a Crestron control system for integrated control of lighting, climate control, and other devices in the room. Cresnet sensors can be converted to Zümlink sensors for use in a custom system.



- ① **GLS-ODT-C-CN**
Dual-Technology Occupancy Sensor with Cresnet, 2000 Sq. Ft.

② **GLS-PART-CN**
Cresnet Partition Sensor

③ **GLS-OIR-C-CN**
Passive Infrared Occupancy Sensor with Cresnet
- ④ **GLS-OIRLCL-C-CN**
Ceiling Mount Passive Infrared Occupancy & Daylight Sensor, Cresnet

⑤ **GLS-ODT-C-NS**
Dual-Technology Ceiling Mount Occupancy Sensor

⑥ **GLS-OIR-C-NS**
Passive Infrared Ceiling Mount Occupancy Sensor



Crestron + Steinel

As part of our endeavour to deliver professional lighting and control solutions for the entire enterprise, Crestron is pleased to offer STEINEL PROFESSIONAL products, which are available for sale through authorized Crestron Commercial Lighting system integrators.

Based in Germany, STEINEL PROFESSIONAL has been manufacturing lighting controls for over 25 years. Their product offering includes a wide variety of controls and sensors for indoor and outdoor applications.

Presence Detectors

PIR Sensors

PIR (Passive Infrared) presence sensors deliver unsurpassed features, quality, and reliability to expand coverage of Crestron lighting control and automation system capabilities to hallways and high bays.



- ① **GLA-IR-QUATTRO-HD-COM1-24**
Single relay
- ② **GLA-IR-QUATTRO-HD-COM2-24**
Dual relays for lighting and HVAC

| |
|--|
| Low voltage (18-24 VDC/VAC) |
| 26' x 26' Presence; 65' x 65' Tangential |
| 4800 Switching zones |



- ③ **GLA-IR-CM-COM1-24**
Single relay
- ④ **GLA-IR-CM-COM2-24**
Dual relays for lighting and HVAC

| |
|--|
| Low voltage (18-24 VDC/VAC) corner mount |
| 22' Radial reach |
| 520 Switching zones |

Presence Detectors

Occupancy Sensors

Occupancy detectors for controlling lights in a variety of building spaces.



⑤ **GLA-IS-3180-24**
Single relay

⑥ **GLA-IS-3360-24**
Dual relays for lighting and HVAC

| |
|--|
| Low voltage (18-24 VDC/VAC) with 180 degree coverage |
| 42' radial reach; 65' tangential |
| 448 switching zones |



⑦ **GLA-IS-D360-24**
Single relay

| |
|--|
| Low voltage (18-24 VDC/VAC) with 360 degree coverage |
| 13' radial reach; 26' tangential |
| 720 switching zones |

Presence Detectors

Dual Tech Sensors

Dual Technology sensors combine the leading motion sensing technologies—PIR Passive Infrared Sensor and Ultrasonic – to detect the presence of signature of a person in a space.



① **GLA-DT-QUATTRO-COM1-24**
Single relay

② **GLA-DT-QUATTRO-COM2-24**
Dual relays for lighting and HVAC

③ **GLA-DT-QUATTRO-DIM-24**
1-10 volt dimming and daylighting

| |
|-----------------------------------|
| Low voltage (18-24 VDC/VAC) |
| 20' x 20' presence; 32' x 32' max |



④ **GLA-DT-CM-COM1-24**
Single relay

⑤ **GLA-DT-CM-COM2-24**
Dual relays for lighting and HVAC

⑥ **GLA-DT-CM-DIM-24**
1-10 volt dimming and daylighting

| |
|----------------------------------|
| Low voltage (18-24 VDC/VAC) |
| 22' presence; 160 degree 82' max |

Presence Detectors

US Sensors

Highly reliable and precise sensors that utilize state of the art ultrasonic signal processing to provide superior stable volumetric detection. They excel at detecting minor motion, and don't require an unobstructed line of sight.



- ① **GLA-US-HALLWAY-COM1-24**
Single relay
- ② **GLA-US-HALLWAY-COM2-24**
Dual relays for lighting and HVAC

Low voltage (18-24 VDC/VAC)
22' presence; 160 degree 82' max



- ③ **GLA-US-QUATTRO-COM1-24**
Single relay
- ④ **GLA-US-QUATTRO-COM2-24**
Dual relays for lighting and HVAC

Low voltage (18-24 VDC/VAC)
Omnidirectional detection, 20' x 20' presence; 32' x 32' max

- ⑤ **GLA-US-ONEWAY-COM1-24**
Single relay
- ⑥ **GLA-US-ONEWAY-COM2-24**
Dual relays for lighting and HVAC

Low voltage (18-24 VDC/VAC)
Unidirectional detection, 6.5' x 33' max

Presence Detectors

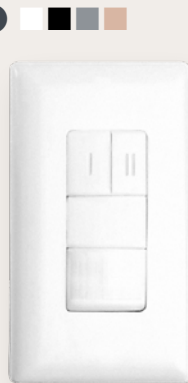
In-Wall High-Voltage PIR Sensors

PIR sensors are used where the sensor will have a clear view of the occupants in the desired coverage area. The typical application is for small office, conference, storage closet and break rooms.



- ① **GLA-IR-WLS-1- (W) / (BK) / (GY) / (LA)**
Single relay
- ② **GLA-IR-WLS-2- (W) / (BK) / (GY) / (LA)**
Dual relays for bi-level load switching
- ③ **GLA-IR-WLS-DIM- (W) / (BK) / (GY) / (LA)**
0-10 volt dimming

120/230/277 VAC, 50/60 Hz
180 degree coverage
Occupancy sensor, for rooms up to 18' x 15'



- ④ **GLA-IR-VS-1- (W) / (BK) / (GY) / (LA)**
Single relay
- ⑤ **GLA-IR-VS-2- (W) / (BK) / (GY) / (LA)**
Dual relays for bi-level load switching
- ⑥ **GLA-IR-VS-DIM- (W) / (BK) / (GY) / (LA)**
0-10 volt dimming

120/230/277 VAC, 50/60 Hz
180 degree coverage
Vacancy sensor, for rooms up to 18' x 15'

Presence Detectors

In-Wall Line-Voltage US Sensors

A line voltage, single relay, Ultrasonic wall switch occupancy sensor to control lighting in commercial spaces. Ultrasonic is used where the sensor may not have a clear line of site of the occupants in the desired coverage area.



- ① **GLA-US-WLS-1- (W) / (BK) / (GY) / (LA)**
Single relay
- ② **GLA-US-WLS-2- (W) / (BK) / (GY) / (LA)**
Dual relays for bi-level load switching
- ③ **GLA-US-WLS-DIM- (W) / (BK) / (GY) / (LA)**
0-10 volt dimming

| |
|---|
| 120/230/277 VAC, 50/60 Hz |
| 180 degree coverage |
| Occupancy sensor, for rooms up to 15' x 15' |

- ④ **GLA-US-VS-1- (W) / (BK) / (GY) / (LA)**
Single relay
- ⑤ **GLA-US-VS-2- (W) / (BK) / (GY) / (LA)**
Dual relays for bi-level load switching
- ⑥ **GLA-US-VS-DIM- (W) / (BK) / (GY) / (LA)**
0-10 volt dimming

| |
|---|
| 120/230/277 VAC, 50/60 Hz |
| 180 degree coverage |
| Vacancy sensor, for rooms up to 15' x 15' |

Presence Detectors

In-Wall Line-Voltage Dual Tech Sensors

A line voltage, single relay, Dual Technology (PIR & ultrasonic) wall switch occupancy sensor to control lighting in commercial spaces. The combination of both technologies enhances occupancy detection in difficult applications.



- ① **GLA-DT-WLS-1- (W) / (BK) / (GY) / (LA)**
Single relay
- ② **GLA-DT-WLS-2- (W) / (BK) / (GY) / (LA)**
Dual relays for bi-level load switching
- ③ **GLA-DT-WLS-DIM- (W) / (BK) / (GY) / (LA)**
0-10 volt dimming

| |
|---|
| 120/230/277 VAC, 50/60 Hz |
| 180 degree coverage |
| Occupancy sensor, for rooms up to 20' x 16' |

- ④ **GLA-DT-VS-1- (W) / (BK) / (GY) / (LA)**
Single relay
- ⑤ **GLA-DT-VS-2- (W) / (BK) / (GY) / (LA)**
Dual relays for bi-level load switching
- ⑥ **GLA-DT-VS-DIM- (W) / (BK) / (GY) / (LA)**
0-10 volt dimming

| |
|---|
| 120/230/277 VAC, 50/60 Hz |
| 180 degree coverage |
| Vacancy sensor, for rooms up to 20' x 16' |

High Voltage Standalone Sensors

High Bay Sensors

High bay occupancy sensors are engineered to save energy by using automatic control of high bay fixtures in high-ceiling spaces such warehouses and distribution centers.



① GLA-HBS-200

② GLA-HBS-200-WL
IP65 for wet/damp locations

③ GLA-HBS-200-347-480V
347/480 VAC, 50/60 Hz

- 120/230/277 VAC, 50/60 Hz
- Aisle way coverage with up to 100' linear detection
- Up to 45' mounting height

④ GLA-HBS-300

⑤ GLA-HBS-300-WL
IP65 for wet/damp locations

⑥ GLA-HBS-300-347-480V
347/480 VAC, 50/60 Hz

- 120/230/277 VAC, 50/60 Hz
- 360 degrees of occupancy based control
- Up to 45' mounting height
- 1416 switching zones

High Voltage Standalone Sensors

High Bay Sensors

The EM 1 Extender Module is used with STEINEL high bay occupancy sensors. It is recommended if the knockout at the end of the fixture is located greater than 1/2" from the bottom edge of the fixture.

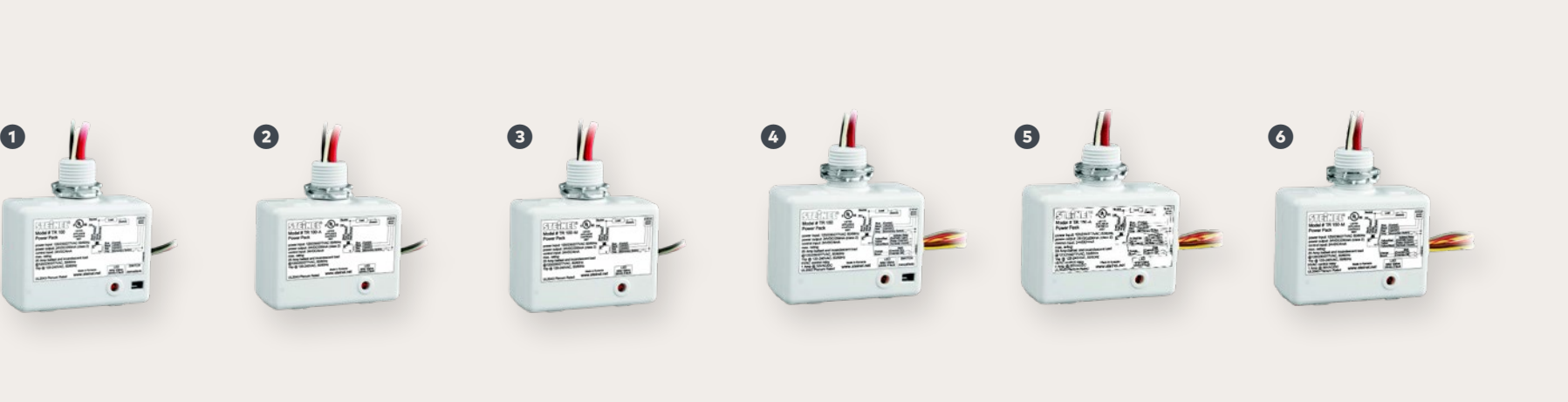


GLA-EM-1
Steinel EM1 Extender Module

High Voltage Standalone Sensors

Power Packs

Provide power to Steinel low voltage occupancy sensors and other control devices.



- ① **GLA-TR-100**
Manual ON or Automatic ON

② **GLA-TR-100-A**
Automatic ON

③ **GLA-TR-100-M**
Manual ON
- ④ **GLA-TR-150**
Manual ON or Automatic ON

⑤ **GLA-TR-150-A**
Automatic ON

⑥ **GLA-TR-150-M**
Manual ON
- ⑦ **GLA-TR-200**
Super Duty Power Pack 200

⑧ **GLA-TR-250**
Super Duty Power Pack 250

120/230/277 VAC, 50/60 Hz

Provides up to 250mA of 24VDC low voltage output

120/230/277 VAC, 50/60 Hz

Built-in isolated relay for use with HVAC controls

Provides up to 250mA of 24VDC low voltage output

Zūm Wireless Networking and Accessories

Accessories

Lens cover options for high bay occupancy sensors.



- ① **GLA-LC-1**
Steinel LC1 Aisle Starter Lens Cover

② **GLA-LC-4**
Steinel LC4 Reduced Range Lens Cover

③ **GLA-LC-5**
Steinel LC5 180° Half Moon Lens Cover

Network System Management

By adding a processor or hub, Crestron lighting control systems can easily network spaces together. Networking allows for global control of the system from one or more interfaces giving the end user access to timeclock functions, load shedding or demand response, BMS integration, day pattern adjustments and more.

The GLNET-ZUM processor cabinet is used when networking Zūm wired and wireless systems and connects via wireless gateways that aggregate all Zūm spaces that are equipped with a ZUMMESH-NETBRIDGE. Users access a ZUM-HUB inside the cabinet via a web browser and, once connected, can check battery life of networked devices, set-up and adjust day patterns, recall scenes and rename spaces. The interface features both a calendar and tree view of the networked system for quick access, no matter the task.

If the system has traditionally wired Crestron components that are connected to the network via Cresnet or ethernet, the GLNET-CN cabinet can be used to program and control custom spaces.

To network a hybrid system using Zūm wired and wireless components, the GLNET-ZUM-CN can be used to combine all space types together into a single processor panel. The ZUM-HUB inside the cabinet provides a single user interface for making changes or updating the system, viewing room status, device status and simple changes to the day pattern. Distribution panels are used to connect areas together when wiring limitations are encountered during installation of the networking cables.

Zūm Wireless Networking and Accessories

Zūm Hub

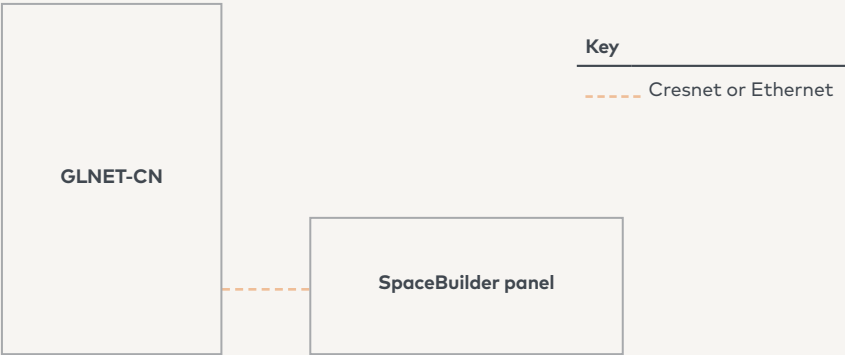
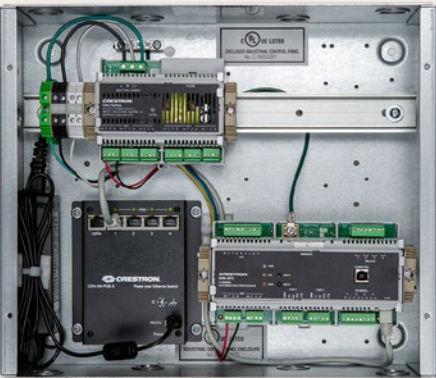
Enables centralized management and time clock for Zūm wired and wireless commercial lighting systems, as well as SpaceBuilder systems. Provides a web-based user interface for easy configuration, control, monitoring, and scheduling. The time clock feature enables automation of room lighting and sensing behavior. The Zūm Hub supports up to 1,000 individual rooms equipped with Zūm lighting systems. Also enables integration with other Crestron lighting systems, control systems, touch screens, shading, HVAC, and more.



ZUM-HUB4 Zūm Hub

- Centralized management and time clock for Crestron commercial lighting systems
- Supports up to 1,000 individual rooms
- Enables integration with non Zūm Crestron lighting systems, control systems, touch screens, shading, HVAC, and more
- Gigabit Ethernet networking
- Enterprise-grade security
- Dedicated Control Subnet for up to 30 Zūm Net wireless gateways
- Built-in demand response
- Built-in BACnet over IP — for up to 10,000 points

Control System Solutions



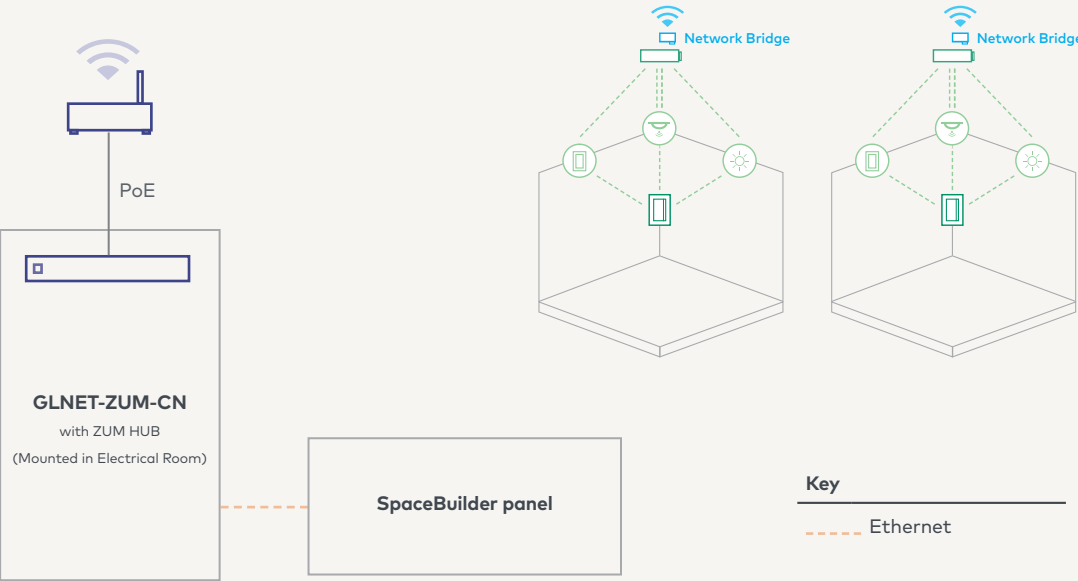
GLNET-CN

Provides a convenient pre-assembled lighting control cabinet for commercial lighting applications that don't require scheduling.

GLNET-CN
Control System Solution

- Pre-assembled lighting cabinet for Crestron lighting control
- For commercial applications that don't require scheduling
- Contains a 4-Series® control system, Cresnet power supply, and 5-Port PoE Switch

Control System Solutions



GLNET-ZUM-CN

The GLNET-ZUM-CN provides a convenient pre-assembled lighting control cabinet for commercial lighting applications that combine Crestron Zūm with other Crestron systems and devices.

GLNET-ZUM-CN
Control System Solution

- Pre-assembled lighting cabinet for Crestron Zūm lighting control, wired and wireless
- For commercial applications combining the Zūm platform with other Crestron systems
- Contains a Zūm Hub and 4-Series control system
- Includes two Cresnet hubs, two Cresnet power supplies, and two 5-Port PoE switches
- Enables centralized management and time clock for up to 1,000 individual rooms
- Enables integration with non-Zūm Crestron systems and devices

Control System Solutions



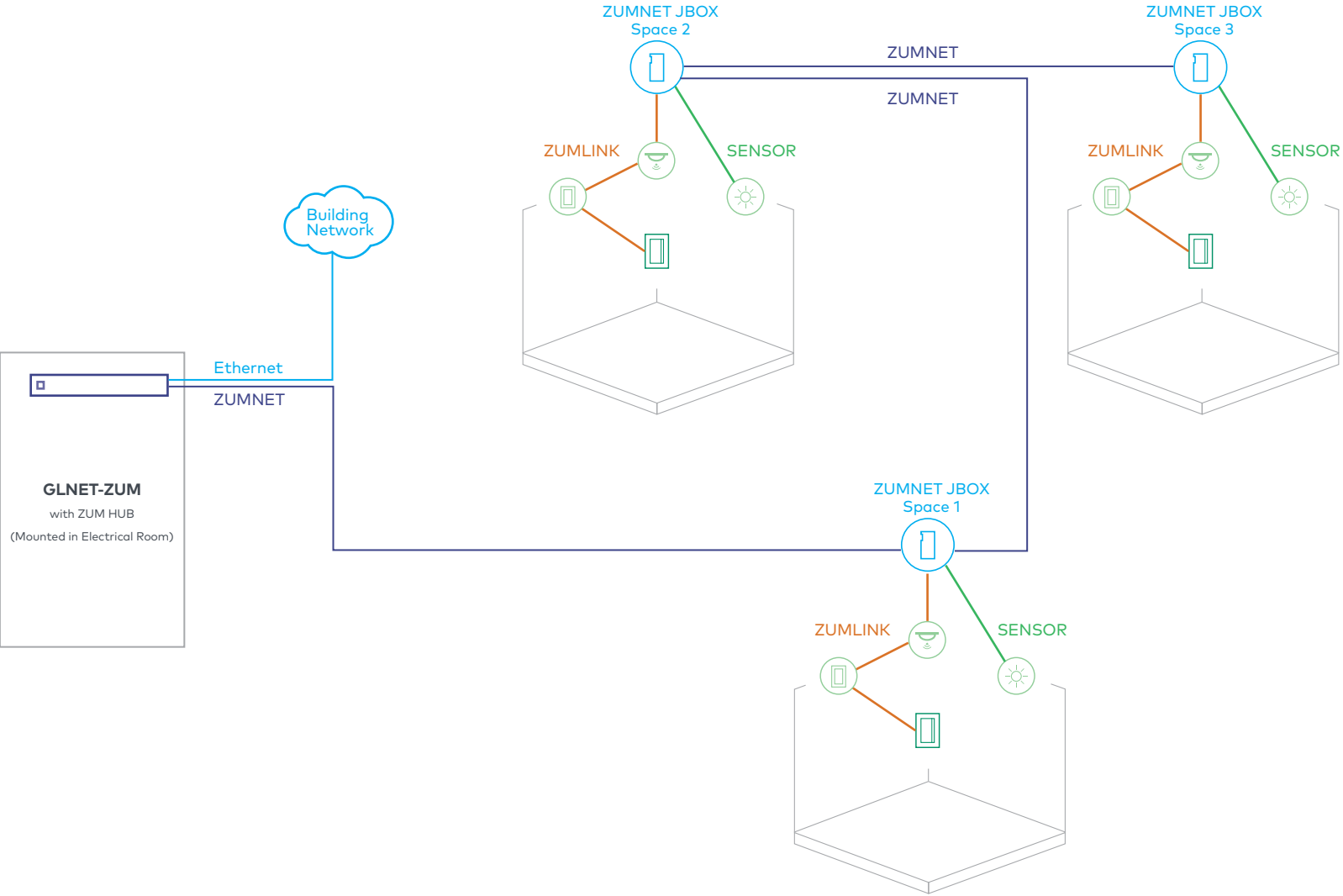
GLNET-ZUM
Control System Solution

GLNET-ZUM

Provides a convenient pre-assembled lighting control cabinet for a Crestron Zūm commercial lighting system.

| |
|--|
| Pre-assembled lighting cabinet for Zūm lighting control |
| For commercial applications running entirely on the Zūm platform |
| Contains a Zūm Hub and 5-Port PoE Switch |
| Enables centralized management and time clock for up to 1,000 individual rooms |
| Enables integration with non Zūm Crestron systems and devices |
| BACnet |
| Demand response |

GLNET-ZUM Spaces



Expansion Panel



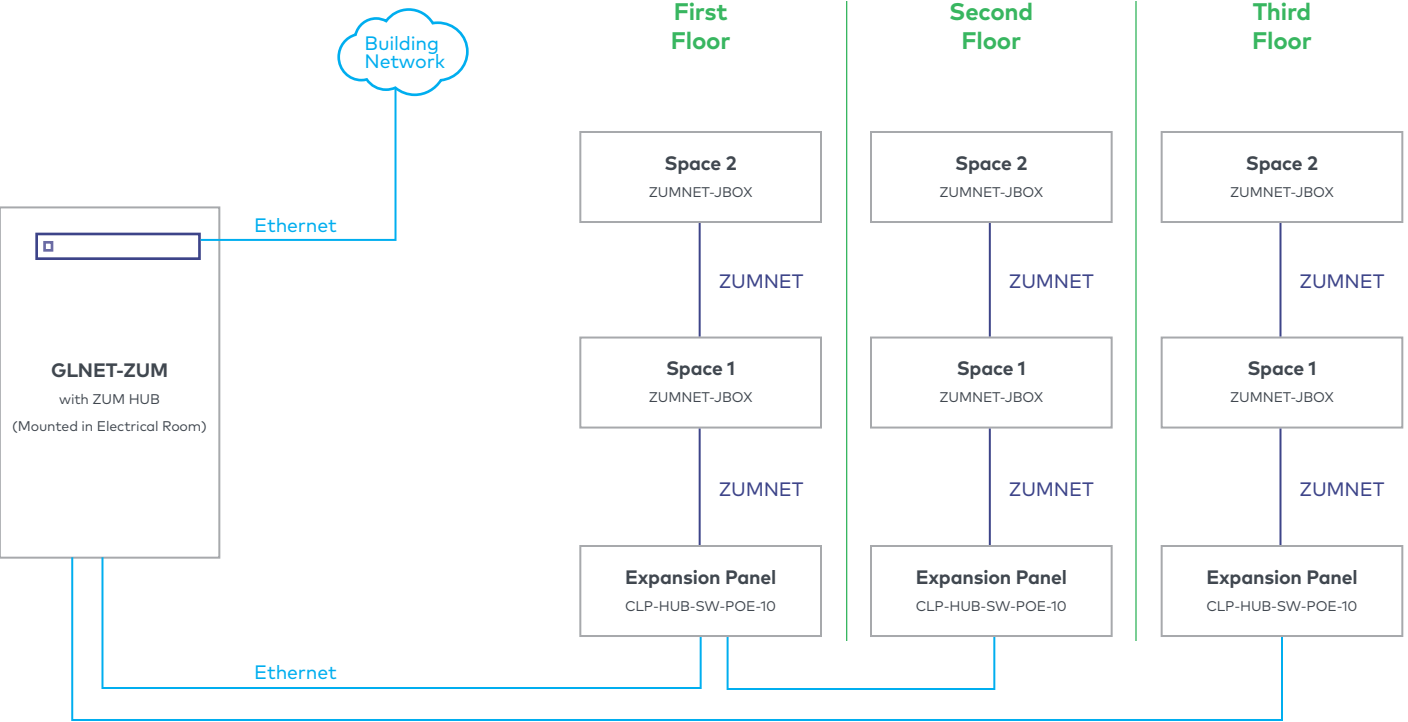
CLP-HUB-SW-POE-10
Expansion Panel

CLP-HUB-SW-POE-10 Expansion Panel

The Crestron CLP-HUB-SW-POE-10 is a preassembled expansion panel that provides additional Ethernet connectivity, and was designed for use with the Crestron GLNET-CN, GLNET-ZUM, and GLNET-ZUM-CN Lighting Control Processor Panels. The Crestron CLP-HUB-SW-POE-10 contains 2 CEN-SW-POE-5 in a DIN-EN 2X18 cabinet. For additional details and specifications, refer to the individual spec sheets for each component.

- Pre-assembled expansion cabinet for Crestron lighting control
- Expands the Ethernet capacity of the Lighting Control Processor Panel to which it is connected
- Works with Crestron GLNET-CN, GLNET-ZUM, and GLNET-ZUM-CN Lighting Control Processor Panels
- For commercial applications
- two 5-Port PoE Switches (CEN-SW-POE-5) mounted in a wall mount enclosure

CLP-HUB-SW-POE-10 Spaces



Expansion Panel



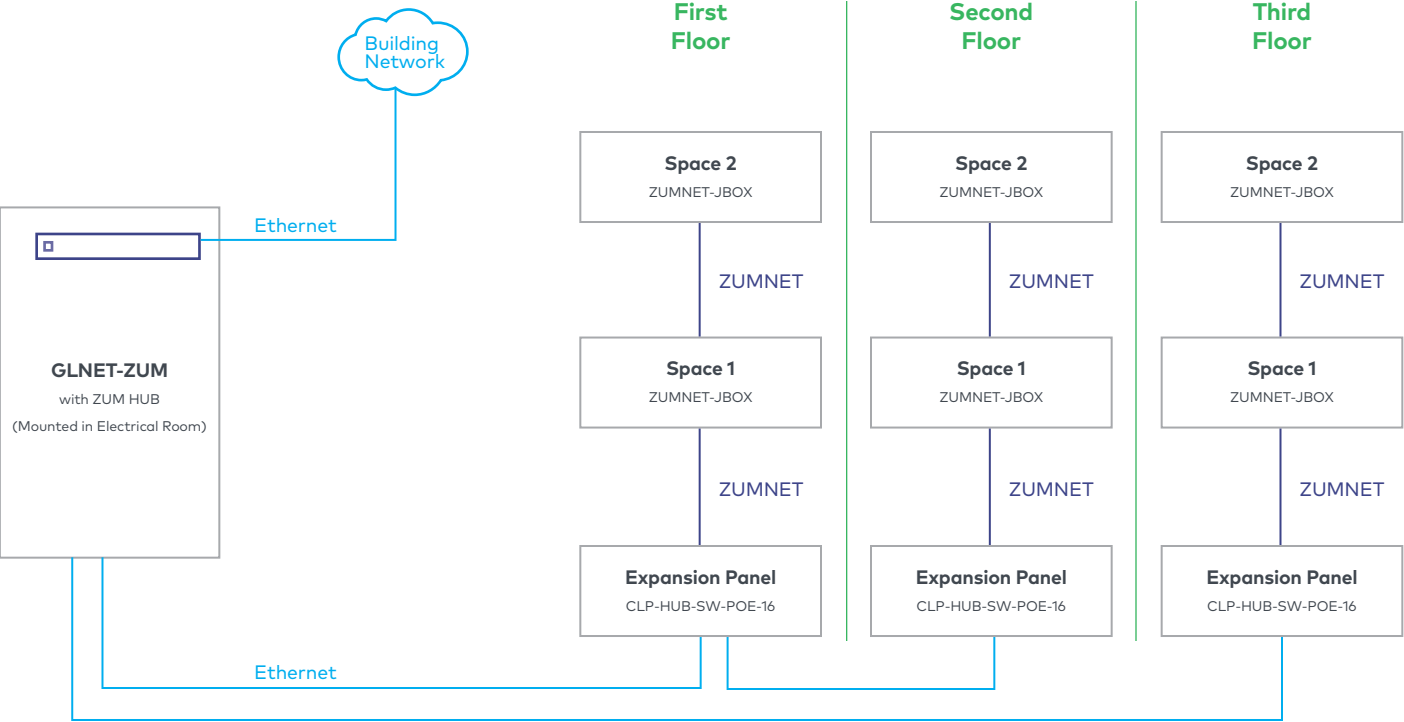
CLP-HUB-SW-POE-16
Expansion Panel

CLP-HUB-SW-POE-16 Expansion Panel

Preassembled expansion panel that provides additional Ethernet connectivity. Designed for use with the Crestron GLNET-CN, GLNET-ZUM, and GLNET-ZUM-CN Lighting Control Processor Panels. Contains a DIN-CEN-CN-2, a DIN PWS60, and a CEN-SW-POE-16 in a DIN-EN 6X18 cabinet. (For additional details and specifications, refer to the individual spec sheets for each component.)

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| Pre-assembled expansion cabinet for Crestron lighting control |
| Expands the Ethernet capacity of the Lighting Control Processor Panel to which it is connected |
| Works with Crestron GLNET-CN, GLNET-ZUM, and GLNET-ZUM-CN Lighting Control Processor Panels |
| For commercial applications |

CLP-HUB-SW-POE-16 Spaces



Notes

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

Notes

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Crestron Is Lighting Control

Count on Crestron to simplify design, installation, and startup of your commercial lighting control project. Our products and systems meet the needs of individual spaces and can be easily integrated for enterprise-wide monitoring, management, and control.

Our process dramatically reduces the time required to complete each phase of a lighting control project while greatly improving efficiency and scalability.