ZUMMESH-CCO

Zūm™

Zūm™ Contact Closure Output

> *Adds a contact closure output to a Zūm™ commercial room lighting system*

> *Low-voltage SPDT form C relay activates and deactivates based on room occupancy and vacancy [1]*

> *Rated 1 Amp @ 30 Volts DC or 24 Volts AC*

> *Enables integration with HVAC equipment to save energy*

> *Attaches to a Zūm J-Box Load Controller or Zūm J-Box Accessory Power Supply [2]*

> *UL® 2043 listed for installation in an environmental air handling space*

> *Meets UL 916 standard for energy management equipment*

> *Meets CEC Title 24 energy efficiency standards [3]*

> *Meets ASHRAE® 90.1 energy efficiency standards [4]*

> *ICC® International Energy Conservation Code® compliant [5]*

The Zūm™ Contact Closure Output (ZUMMESH-CCO) adds a low-voltage SPDT form C contact closure to a Zūm commercial room lighting system to enable integration with an HVAC system or other equipment. The contact closure 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.[1]

The ZUMMESH-CCO is a small module that snaps onto a Zūm J-Box Load Controller or Zūm J-Box Accessory Power Supply (ZUMMESH-JBOX or ZUMMESH-JBOX-PSU [2]). The Zūm J-Box device provides power and wireless communications for the ZUMMESH-CCO.

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

SPECIFICATIONS

Wireless Communications

Zūm Net: (Refer to the host J-Box device)

Connectors

N.O., COM, N.C.: (1) 3-pin 3.5 mm detachable terminal block; Low-voltage SPDT form C contact closure; Rated 1 Amp @ 30 Volts DC or 24 Volts AC; For use with Class 2 wiring only

Indicators

Status: (1) Green LED, indicates contact closure status

Power

3.3 Volts DC, provided by a Zūm J-Box Load Controller or Zūm J-Box Accessory Power Supply [2]

Environmental

Temperature: 32° to 104° F (0° to 40° C)
Humidity: 10% to 90% RH (non-condensing)

Construction

Housing: Plastic, white, UL 94 5VA flame rated
Mounting: Attaches to a Zūm J-Box Load Controller or Zūm J-Box Accessory Power Supply [2], meets the requirements of UL 2043 for installation in an environmental air-handling (plenum) space

Dimensions

Height: 1.66 in (42 mm)
Width: 1.94 in (49 mm)
Depth: 1.01 in (26 mm)

Note: Projects ~0.75 inches (~18 mm) when attached to the J-Box unit.

Weight

3 oz (85 g)

Compliance

UL Listed for US & Canada, IC, FCC Part 15 Class B digital device, UL 916, UL 2043, UL 94 5VA, CEC Title 24 [3], ASHRAE 90.1 [4], IECC [5]

CRESTRON®

MODELS & ACCESSORIES

Available Models

ZUMMESH-CCO: Zūm Contact Closure Output

Available Accessories

ZUMMESH-JBOX: Zūm J-Box Load Controller
ZUMMESH-JBOX-PSU: Zūm Accessory Power Supply

Notes:

1. The Zūm lighting system must include at least one occupancy sensor or vacancy sensor. Either type of sensor will work with the ZUMMESH-CCO to activate and deactivate the contact closure based on occupancy and vacancy status.
2. Item(s) sold separately. Refer to each product's spec sheet for more information.
3. This product is part of a California Energy Commission Title 24 compliant solution. Refer to http://www.energy.ca.gov/title24/ to learn more about designing a fully compliant solution. Additional resources can be accessed via the Crestron Commercial Lighting Consultants Partner Portal at http://www.crestron.com/about/partner-info/commercial-lighting-consultants.
4. This product is part of an ASHRAE 90.1 compliant solution. Refer to https://www.ashrae.org/ to learn more about designing a fully compliant solution. Additional resources can be accessed via the Crestron Commercial Lighting Consultants Partner Portal at http://www.crestron.com/about/partner-info/commercial-lighting-consultants.
5. This product is part of an International Energy Conservation Code compliant solution. Refer to https://www.iccsafe.org/iecc/ to learn more about designing a fully compliant solution.

Additional resources can be accessed via the Crestron Commercial Lighting Consultants Partner Portal at http://www.crestron.com/about/partner-info/commercial-lighting-consultants.

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.

Additional resources can be accessed via the Crestron Commercial Lighting Consultants Partner Portal at http://www.crestron.com/about/partner-info/commercial-lighting-consultants. For assistance with incorporating this product into a design or specification, please contact the Commercial Lighting Consultant Hotline via email 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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1.01 in
26 mm

1.66 in
42 mm

0.76 in
20 mm

1.94 in
49 mm