



# ASHRAE 2019 Zūm<sup>®</sup> Wireless Solutions Retail Applications

Crestron Electronics, Inc.

**Original Instructions**

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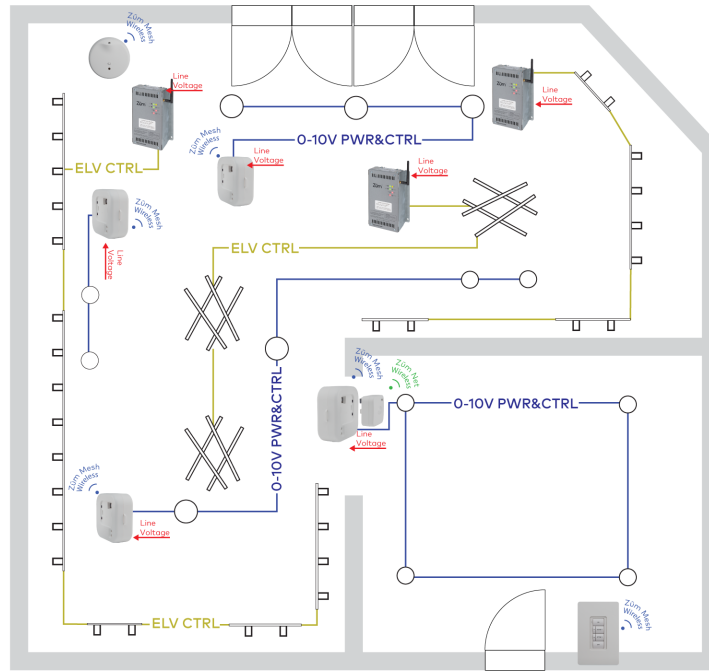
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# Zūm® Wireless: 0 - 10V Drivers



## Bill of Materials

Item	Product	Qty
	ZUMMESH-JBOX-16A-LV + NETBRIDGE Zūm Mesh, Dimmer, 0-10V, 16A + Network Bridge	1
	ZUMMESH-EXP-16A-DIMU Zūm Mesh Universal Dimmer, 16A	3
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	1
	ZUMMESH-OL-PHOTOCELL-BATT Zūm Mesh, Battery-Powered Daylight Sensor	1

## Code

- Manual Control Device**  
9.4.1.1(a)  
Physical control interface for occupant

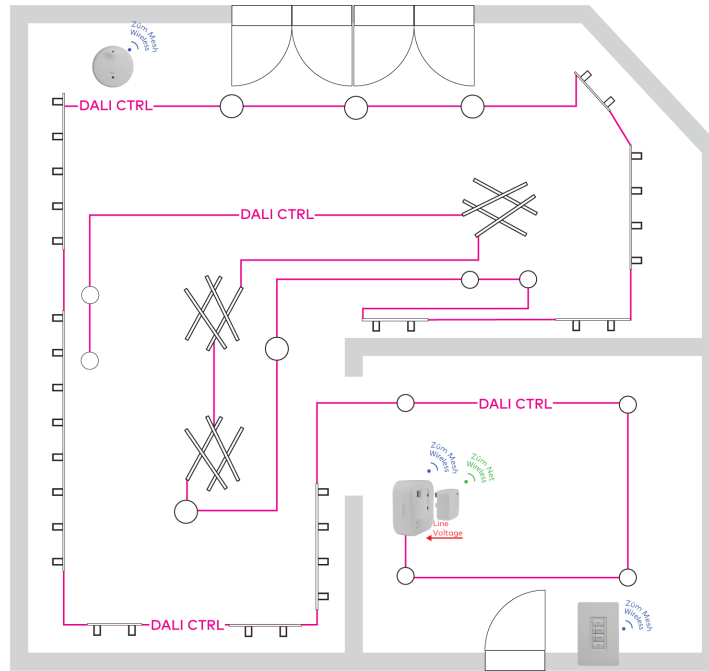
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- Programmable Timeclock**  
9.4.1.1(c), 9.4.1.1(i)  
Programmed time Auto On, Auto Off




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- Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

# Zūm® Wired: DALI® Drivers



## Bill of Materials

Item	Product	Qty
	ZUMMESH-JBOX-DALI + NETBRIDGE Zūm Mesh, DALI, + Network Bridge	1
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	1
	ZUMMESH-OL-PHOTOCELL-BATT Zūm Mesh, Battery-Powered Daylight Sensor	1

## Code

**Manual Control Device**  
9.4.1.1(a)  
Physical control interface for occupant

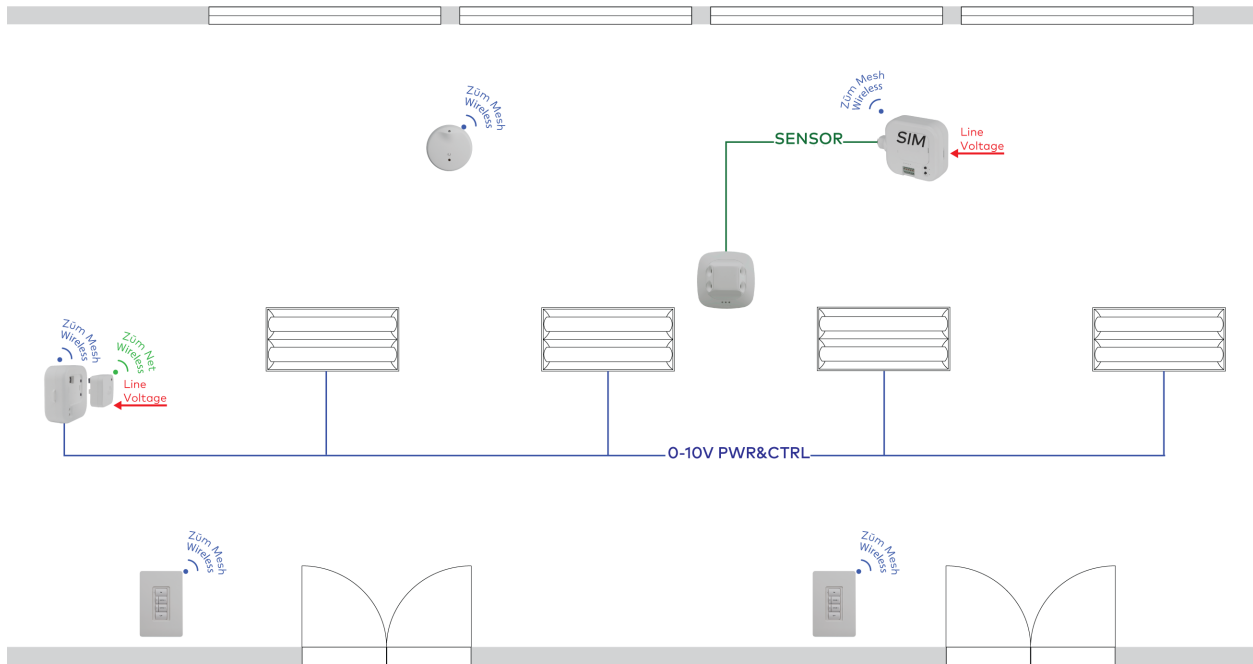
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**Programmable Timeclock**  
9.4.1.1(c), 9.4.1.1(i)  
Programmed time Auto On, Auto Off






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**Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

## Zūm® Wireless: 0 - 10V Drivers



## Bill of Materials

Item	Product	Qty
	ZUMMESH-JBOX-16A-LV + NETBRIDGE Zūm Mesh, Dimmer, 0-10V, 16A + Network Bridge	1
	ZUMMESH-JBOX-SIM Zūm Mesh JBox Sensor	1
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	2
	ZUMMESH-OL-PHOTOCELL-BATT Zūm Mesh, Battery-Powered Daylight Sensor	1
	GLA-US-HALLWAY-COM1-24 Occupancy Sensor	1

## Code

**Manual Control Device**

9.4.1.1(a)  
Physical control interface for occupant

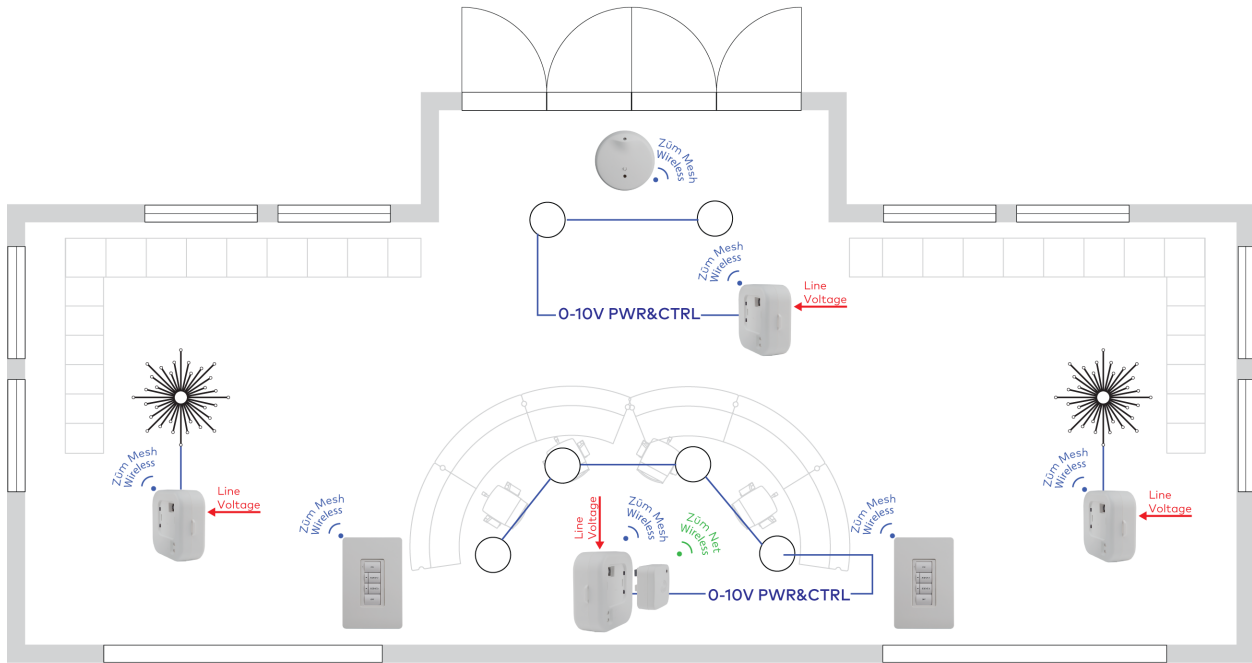
**Occupancy Sensor**

9.4.1.1(c), 9.4.1.1(h)  
Motion detection: Automatic On, Automatic Off




**Daylight Response**

9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

# Zūm® Wireless: 0 - 10V Drivers



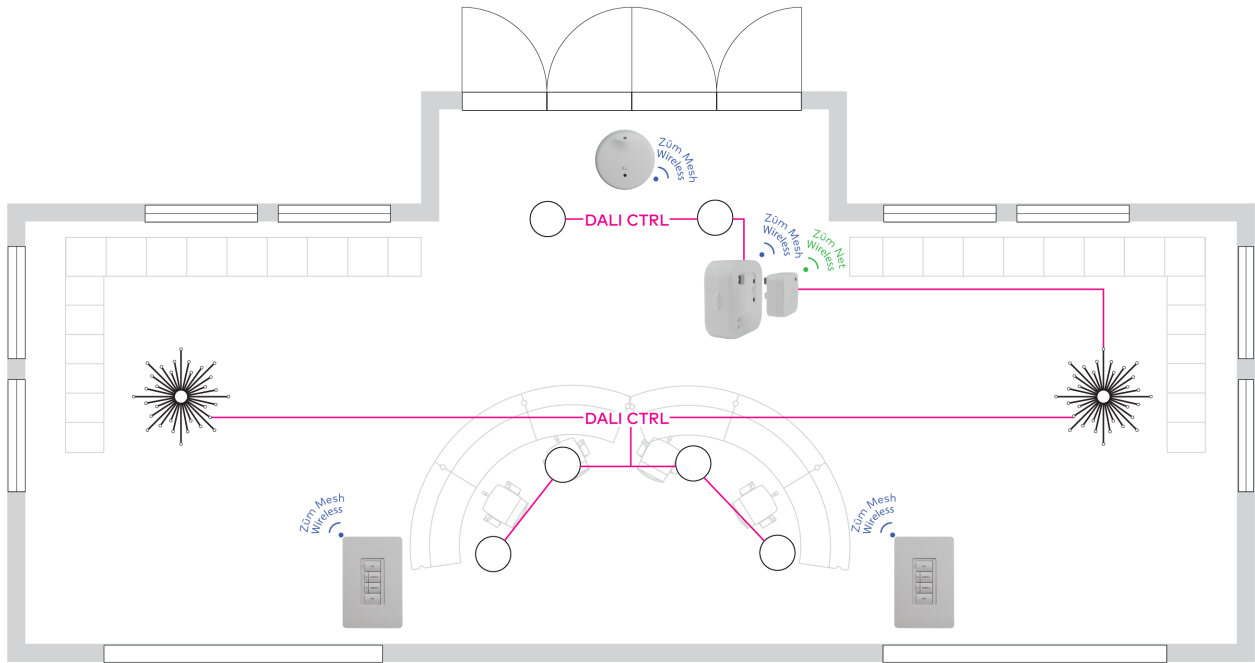
## Bill of Materials

Item	Product	Qty
	ZUMMESH-JBOX-16A-LV Zūm Mesh, Dimmer, 0-10V, 16A	1
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	2
	ZUMMESH-OL-PHOTOCELL-BATT Zūm Mesh, Battery-Powered Daylight Sensor	1




## Code

- Manual Control Device**  
9.4.1.1(a)  
Physical control interface for occupant
- Programmable Timeclock**  
9.4.1.1(c), 9.4.1.1(i)  
Programmed time Auto On, Auto Off
- Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

# Zūm® Wireless: DALI® Drivers



## Bill of Materials

Item	Product	Qty
	ZUMMESH-JBOX-DALI + NETBRIDGE Zūm Mesh, DALI, + Network Bridge	1
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	2
	ZUMMESH-OL-PHOTOCELL-BATT Zūm Mesh, Battery-Powered Daylight Sensor	1

## Code

- Manual Control Device**  
9.4.1.1(a)  
Physical control interface for occupant

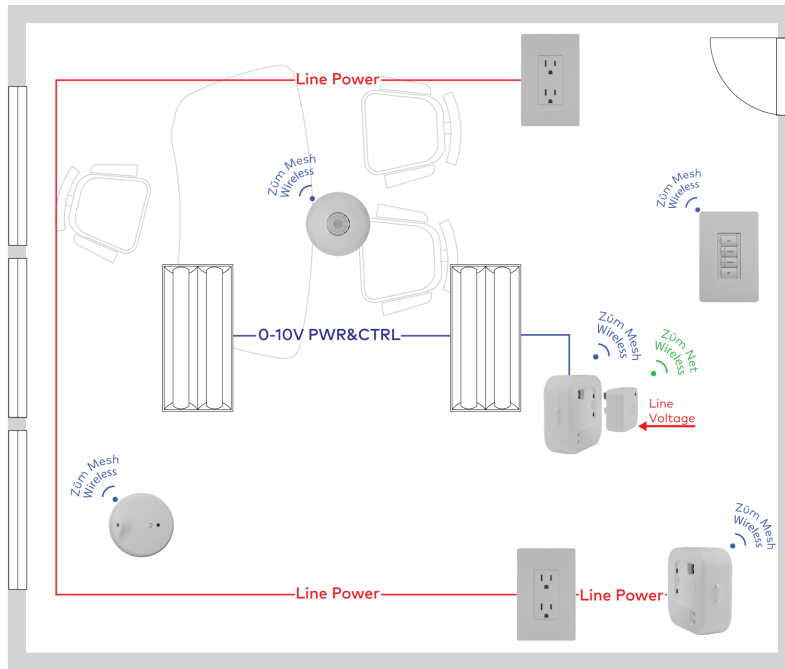
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- Programmable Timeclock**  
9.4.1.1(c), 9.4.1.1(i)  
Programmed time Auto On, Auto Off







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- Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

# Zūm® Wireless: 0 - 10V Drivers



## Bill of Materials

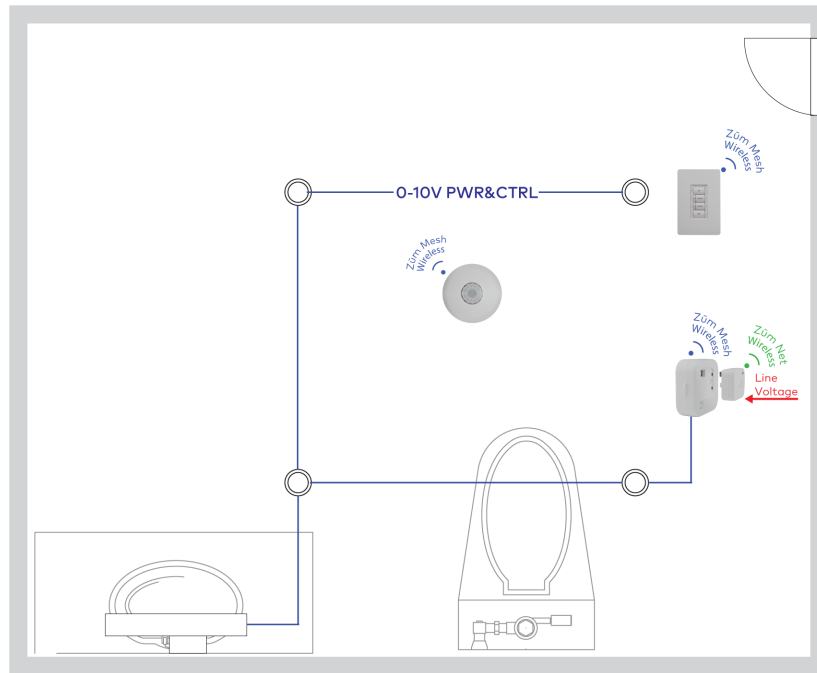
Item	Product	Qty
	ZUMMESH-JBOX-20A-PLUG Zūm Mesh, Plug, 100-240V, 20A	1
	ZUMMESH-JBOX-16A-LV + NETBRIDGE Zūm Mesh, Dimmer, 0-10V, 16A + Network Bridge	1
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	1
	ZUMMESH-OL-PHOTOCELL-BATT Zūm Mesh, Battery-Powered Daylight Sensor	1
	ZUMMESH-PIR-VACANCY-BATT Zūm Mesh, Battery-Powered Vacancy Sensor	1
	Receptacle	2

## Code



- Manual Control Device**  
9.4.1.1(a)  
Physical control interface for occupant
- Vacancy Sensor**  
9.4.1.1(b), 9.4.1.1(h)  
Motion detection: Manual On, Automatic Off
- Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting
- Controlled Receptacles**  
8.4.2(a), 8.4.2(b), 8.4.2(c)  
Control of receptacle power



# Zūm® Wireless: 0 - 10V Drivers



## Bill of Materials

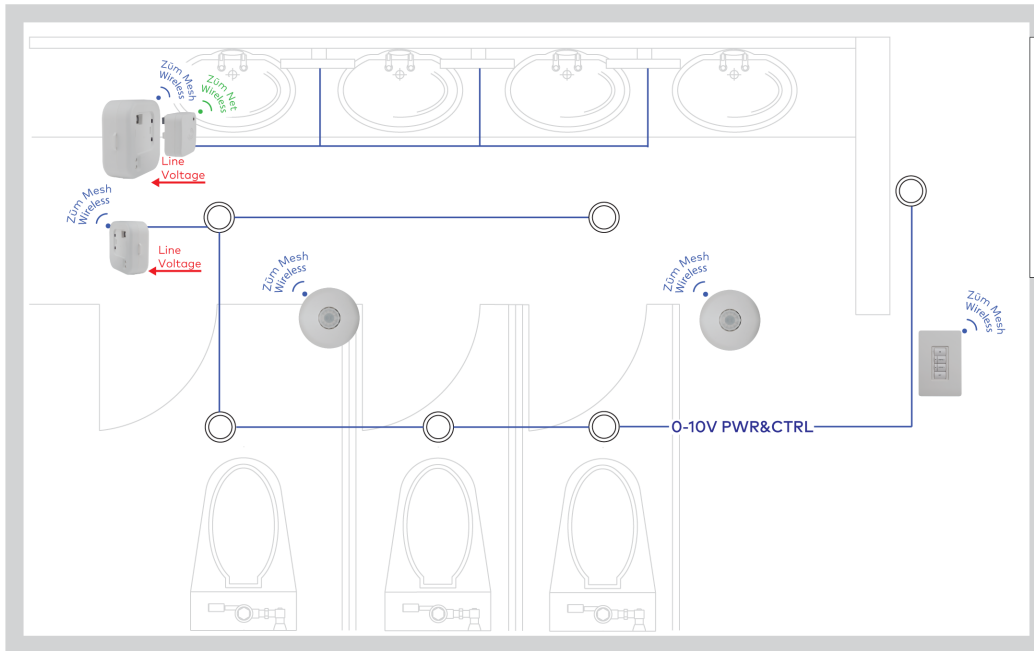
Item	Product	Qty
	ZUMMESH-JBOX-16A-LV + NETBRIDGE Zūm Mesh, Dimmer, 0-10V, 16A + Network Bridge	1
	ZUMMESH-PIR-OCCUPANCY-BATT Zūm Mesh, Battery-Powered Sensor	1

## Code




**Occupancy Sensor**  
9.4.1.1(c), 9.4.1.1(h)  
Motion detection: Automatic On, Automatic Off

**Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

# Zūm® Wireless: 0 - 10V Drivers



## Bill of Materials

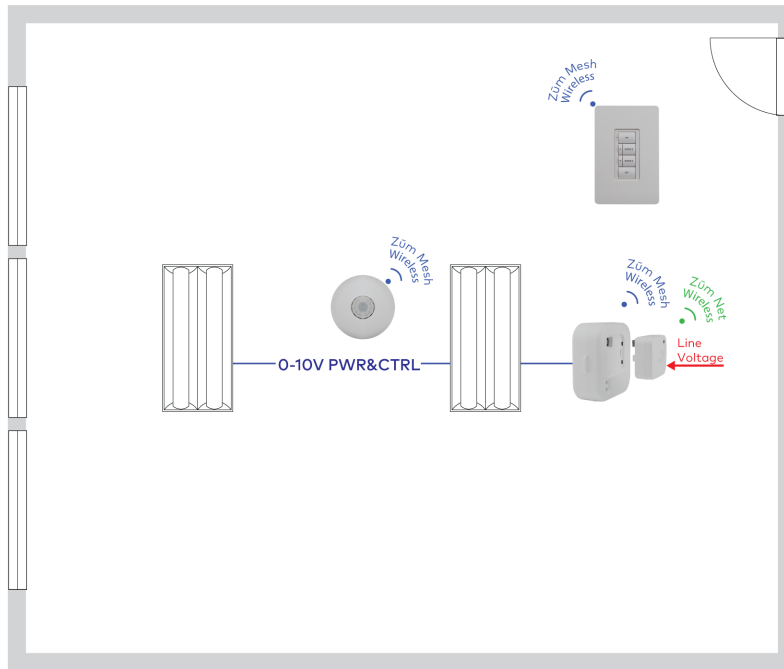
Item	Product	Qty
	ZUMMESH-JBOX-16A-LV Zūm Mesh, Dimmer, 0-10V, 16A	1
	ZUMMESH-JBOX-16A-LV + NETBRIDGE Zūm Mesh, Dimmer, 0-10V, 16A + Network Bridge	1
	ZUMMESH-PIR-OCCUPANCY-BATT Zūm Mesh, Battery-Powered Sensor	2

## Code




**Occupancy Sensor**  
9.4.1.1(c), 9.4.1.1(h)  
Motion detection: Automatic On, Automatic Off

**Daylight Response**  
9.4.1.1(e), 9.4.1.4(a)  
Light level control based on daylighting

## Zūm® Wireless: 0 - 10V Drivers



### Bill of Materials

Item	Product	Qty
	ZUMMESH-JBOX-16A-LV + NETBRIDGE Zūm Mesh, Dimmer, 0-10V, 16A + Network Bridge	1
	ZUMMESH-KP10CBATT Zūm Mesh, Battery-Powered Keypad	1
	ZUMMESH-PIR-VACANCY-BATT Zūm Mesh, Battery-Powered Vacancy Sensor	1

### Code

#### Manual Control Device

9.4.1.1(a)

Physical control interface for occupant

#### Vacancy Sensor

9.4.1.1(b), 9.4.1.1(h)

Motion detection: Manual On, Automatic Off

#### Daylight Response

9.4.1.1(e), 9.4.1.4(a)

Light level control based on daylighting

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**Contact Info**

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Name

Company

Address 1

Address 2

City, State, Zip

Phone

Email

Website

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**Project Notes**

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Square Footage	Cost/Sq. Ft.