

# IECC 2018 Zūm® Wired Solutions Office Applications

Crestron Electronics, Inc.

#### Original Instructions

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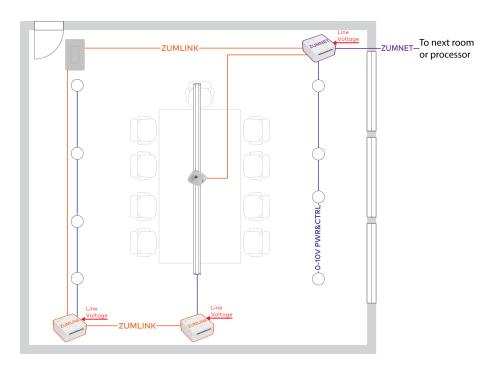
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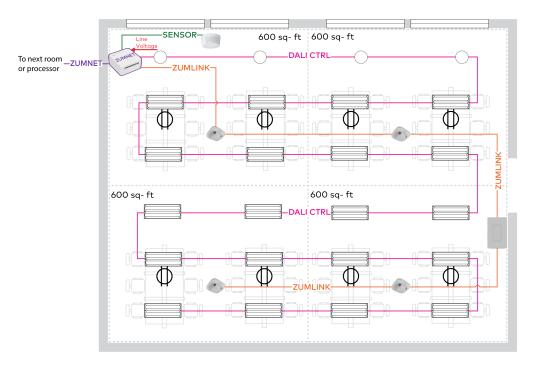
## Bill of Materials

ltem	Product	Qty
ZUMMET	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
ZUMUMM	ZUMLINK-JBOX-16A-LV	2
	Zūm Link, Dimmer, 0-10V 16A	
F	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	1
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
——ZUMNET——	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

	ntrol Device
C405.2.5, C	405.2.2.2
Physical co	ntrol interface for
occupant	
Vacancy Se	nsor Manual On
C405.2.1.1	
Physical co	ntrol interface for
occupant, A	Auto Off during
vacancy	
Occupancy	Sensor Full Off
C405.2.1	
0.00.2	uring vacancy
0.00.2	
Auto Off do	esponse
Auto Off do	esponse 05.2.61
Auto Off do Daylight Re C405.2, C4	esponse 05.2.61 0405.2.3.1
Auto Off do  Daylight Re C405.2, C40	psponse 05.2.61 0405.2.3.1 cs based on

OPEN OFFICE IECC 2018

## Zūm® Wired: DALI® Drivers



Open offices are controlled separately in zones with floor areas no greater than 600 sq ft. When a zone is vacant for 20 minutes, lights automatically reduce by 80%. If all zones are vacant, the lights turn off. For more information, refer to code section C405.2.1.3.

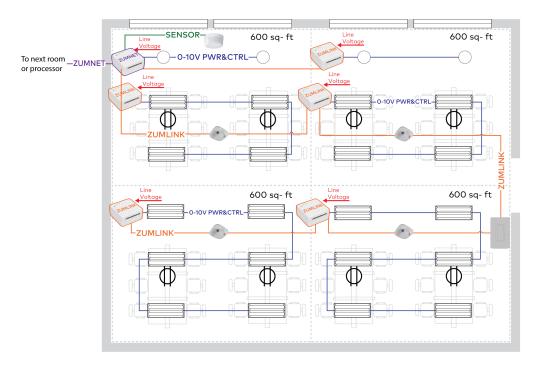
#### Bill of Materials

Item	Product	Qty
ZUMNET	ZUMNET-JBOX-DALI	1
	Zūm Net, DALI	
	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	4
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
	GLA-LDL-PC-0-10	1
	Open/Closed Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
——ZUMNET——	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

Manual Control Device
C405.2.5, C405.2.2.2
Physical control interface for
occupant
Occupancy Sensor Partial
On
C405.2.1.1
Partial On during occupancy
Occupancy Sensor Full Off
C405.2.1
Auto Off during vacancy
Acto Off doffing vacancy
Occupancy Sensor Partial
Occupancy Sensor Partial
Occupancy Sensor Partial Off
Occupancy Sensor Partial Off C405.2.1
Occupancy Sensor Partial Off C405.2.1 Partial Off during vacancy
Occupancy Sensor Partial Off C405.2.1 Partial Off during vacancy Daylight Response
Occupancy Sensor Partial Off C405.2.1 Partial Off during vacancy Daylight Response C405.2, C405.2.61

OPEN OFFICE IECC 2018

# Zūm® Wired: 0 - 10V Drivers



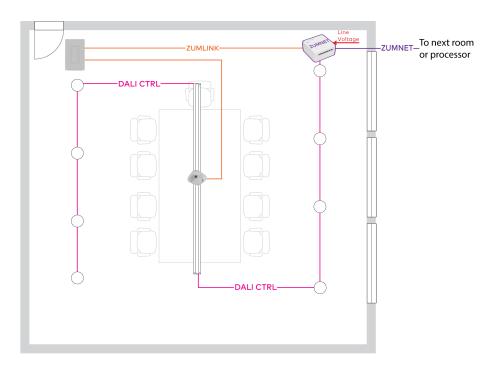
Open offices are controlled separately in zones with floor areas no greater than 600 sq ft. When a zone is vacant for 20 minutes, lights automatically reduce by 80%. If all zones are vacant, the lights turn off. For more information, refer to code section C405.2.1.3.

#### Bill of Materials

ltem	Product	Qty
Zumer	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
ZUMUMA	ZUMLINK-JBOX-16A-LV	5
	Zūm Link, Dimmer, 0-10V 16A	
	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	4
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
	GLA-LDL-PC-0-10	1
	Open/Closed Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBC
	Zūm Link CAT5e, various lengths	
—ZUMNET——	CBL-CAT5E-ZUMNET-P	TBC
	Zūm Net CAT5e, various lengths	

Manual Control Device
C405.2.5, C405.2.2.2
Physical control interface for
occupant
Occupancy Sensor Partial
On
C405.2.1.1
Partial On during occupancy
Occupancy Sensor Full Off
C405.2.1
Auto Off during vacancy
Occupancy Sensor Partial
Occupancy Sensor Partial Off
Occupancy Sensor Partial Off C405.2.1
Occupancy Sensor Partial Off C405.2.1 Partial Off during vacancy
Occupancy Sensor Partial Off C405.2.1 Partial Off during vacancy Daylight Response
Occupancy Sensor Partial Off C405.2.1 Partial Off during vacancy Daylight Response C405.2, C405.2.61

# Zūm® Wired: DALI® Drivers



# Bill of Materials

ltem	Product	Qty
ZUMHET	ZUMNET-JBOX-DALI	1
	Zūm Net, DALI	
100	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	1
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
ZUMNET	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

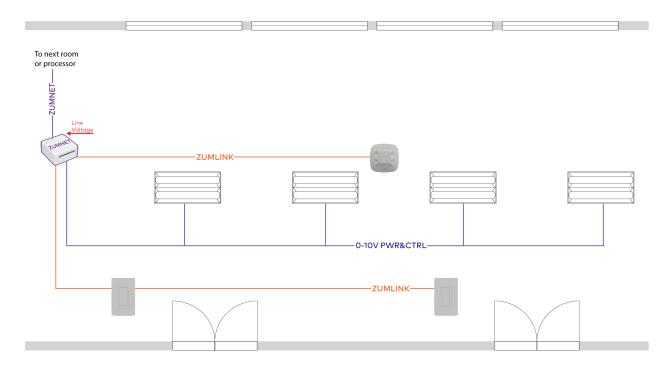
## Code

Manual	Control Device
C405.2.	5, C405.2.2.2
Physical	control interface for
occupar	ıt
Vacancy	Sensor Manual On
C405.2.	1.1
Physical	control interface for
occupar	nt, Auto Off during
vacancy	
Occupa	ncy Sensor Full Off
C405.2.	1
Auto Of	f during vacancy
Daylight	t Response
C405.2,	C405.2.61
Exception	on C405.2.3.1
Adiust li	ghts based on

available daylight

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# Zūm® Wired: 0 - 10V Drivers



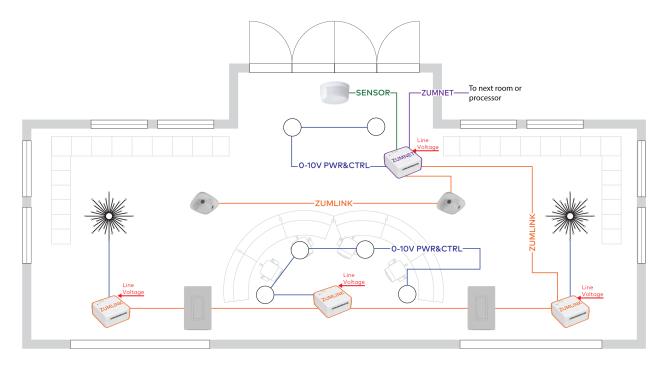
#### Bill of Materials

ltem	Product	Qty
ZUMNE	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
	ZUMLINK-KP	2
	Zūm Link Keypad, Manual Control	
4 6	ZUMLINK-US-HALLWAY-DLS	1
	Zūm Link Presence Detector	
	Closed-Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
ZUMNET	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

Man	ual Control Device
C40	5.2.5, C405.2.2.2
Phys	ical control interface for
occu	pant
Occı	pancy Sensor Full On
C40	5.2.1, C405.2.1.1
Full (	ON during occupancy
Occi	pancy Sensor Partial
Off	
C40	5.2.1
Part	ial Off during vacancy
	ial Off during vacancy ight Response
Dayl	
Dayl C40	ight Response
Dayl C40! Exce	<b>ight Response</b> 5.2, C405.2.61
Dayl C40! Exce Adju	<b>ight Response</b> 5.2, C405.2.61 ption C405.2.3.1

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# Zūm® Wired: 0 - 10V Drivers



## **Bill of Materials**

Item	Product	Qty
ZUMMET	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
ZUMUHA	ZUMLINK-JBOX-16A-LV	3
	Zūm Link, Dimmer, 0-10V 16A	
	ZUMLINK-KP	2
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	2
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
	GLA-LDL-PC-0-10	1
	Open/Closed Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
ZUMNET	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

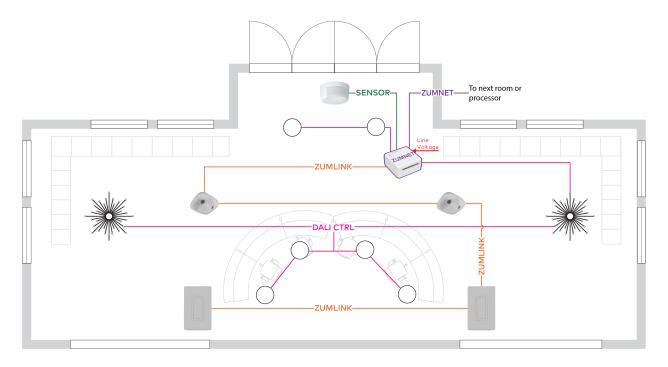
## Code

C/OF 3 F C/OF 3 3 3
C405.2.5, C405.2.2.2 Physical control interface for
occupant
Programmable Timeclock
C405.2.2.1, C405.2.6.2,
C405.2.6.3, C405.2.6.4
Programmable partial On
Occupancy Sensor Full On
C405.2.1, C405.2.1.1
Full ON during occupancy
Occupancy Sensor Full Off
C405.2.1
Auto Off during vacancy

#### Daylight Response C405.2, C405.2.61 Exception C405.2.3.1 Adjust lights based on available daylight

LOBBY IECC 2018

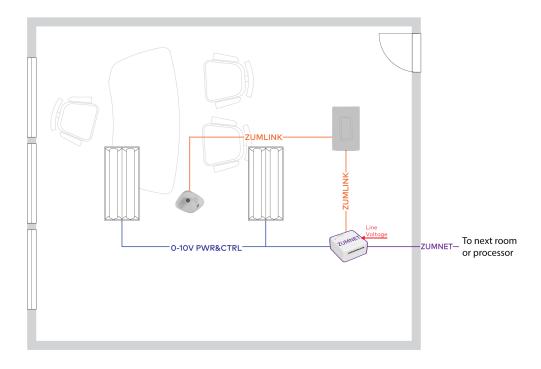
# Zūm® Wired: DALI® Drivers



## **Bill of Materials**

Item	Product	Qty
Zumner	ZUMNET-JBOX-DALI	1
	Zūm Net, DALI	
	ZUMLINK-KP	2
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	2
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
	GLA-LDL-PC-0-10	1
	Open/Closed Loop Daylight Sensor	
——ZUMLINK——	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
ZUMNET	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

Manual Control Device
C405.2.5, C405.2.2.2
Physical control interface for
occupant
Programmable Timeclock
C405.2.2.1, C405.2.6.2,
C405.2.6.3, C405.2.6.4
Programmable partial On
Occupancy Sensor Full On
C405.2.1, C405.2.1.1
Full ON during occupancy
Occupancy Sensor Full Off
C405.2.1
Auto Off during vacancy
Daylight Response
C405.2, C405.2.61
Exception C405.2.3.1
Adjust lights based on
available daylight



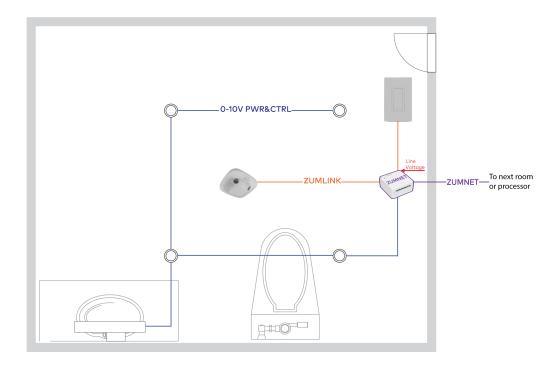
#### Bill of Materials

ltem	Product	Qty
ZUME	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	1
8	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
——ZUMLINK——	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
ZUMNET	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

#### Code

Manual Control Device C405.2.5, C405.2.2.2	
Physical control interface for	or
occupant	
Vacancy Sensor Manual Or	1
C405.2.1.1	
Physical control interface for	or
occupant, Auto Off during	
vacancy	
Occupancy Sensor Full Off	
C405.2.1	
Auto Off during vacancy	
Doublinht Doorson	

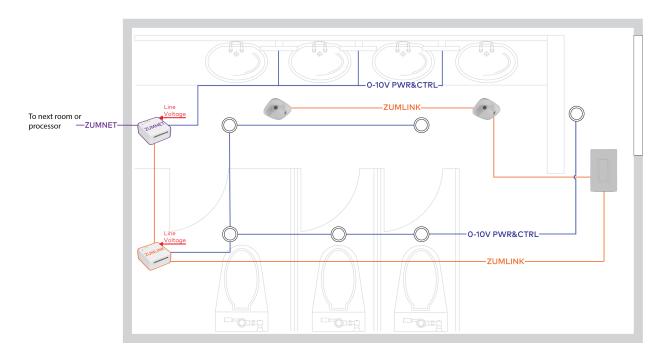
Daylight Response C405.2, C405.2.61 Exception C405.2.3.1 Adjust lights based on available daylight



#### **Bill of Materials**

ltem	Product	Qty
ZUMMEN	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	1
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
ZUMLINK	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
ZUMNET	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

<b>Manual Control Device</b> C405.2.5, C405.2.2.2
Physical control interface for
occupant
Occupancy Sensor Full On
C405.2.1, C405.2.1.1
Full ON during occupancy
Occupancy Sensor Full Off
Occupancy Sensor Full Off C405.2.1
C405.2.1
C405.2.1 Auto Off during vacancy
C405.2.1 Auto Off during vacancy  Daylight Response
C405.2.1 Auto Off during vacancy  Daylight Response C405.2, C405.2.61



#### **Bill of Materials**

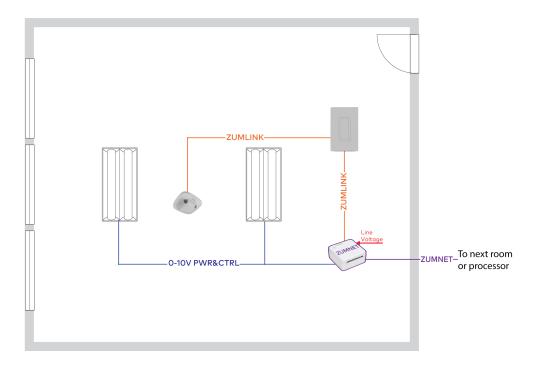
Item	Product	Qty
ZUMPET)	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
ZUMUM	ZUMLINK-JBOX-16A-LV	1
	Zūm Link, Dimmer, 0-10V 16A	
	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	2
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
——ZUMLINK——	CBL-CAT5E-ZUMLINK-P	TBD
	Zūm Link CAT5e, various lengths	
——ZUMNET——	CBL-CAT5E-ZUMNET-P	TBD
	Zūm Net CAT5e, various lengths	

#### Code

Manual Control Device
C405.2.5, C405.2.2.2
Physical control interface fo
occupant
Occupancy Sensor Full On
C405.2.1, C405.2.1.1
Full ON during occupancy
Occupancy Sensor Full Off
C405.2.1
Auto Off during vacancy

Daylight Response C405.2, C405.2.61 Exception C405.2.3.1 Adjust lights based on available daylight STORAGE IECC 2018

# Zūm® Wired: 0 - 10V Drivers



## Bill of Materials

Item	Product	Qty
ZUMMEN	ZUMNET-JBOX-16A-LV	1
	Zūm Net, Dimmer, 0-10V, 16A	
	ZUMLINK-KP	1
	Zūm Link Keypad, Manual Control	
	ZUMLINK-DT-QUATTRO-DLS	1
	Zūm Link Presence Detector/	
	Closed-Loop Daylight Sensor	
——ZUMLINK——	CBL-CAT5E-ZUMLINK-P	TBC
	Zūm Link CAT5e, various lengths	
——ZUMNET——	CBL-CAT5E-ZUMNET-P	TBC
	Zūm Net CAT5e, various lengths	

## Code

Manual Control Device
C405.2.5, C405.2.2.2
Physical control interface for
occupant
Vacancy Sensor Manual On
C405.2.1.1
Physical control interface for
occupant, Auto Off during
vacancy
Occupancy Sensor Full Off
C405.2.1
Auto Off during vacancy
Daylight Response
C405.2, C405.2.61
Exception C405.2.3.1
Adjust lights based on

available daylight

Contact Info	
Name	
Company	
Address 1	
Address 2	
City, State, Zip	
Phone	
Email	
Website	

Pro	oject Notes

Square Footage	Cost/Sq. Ft.