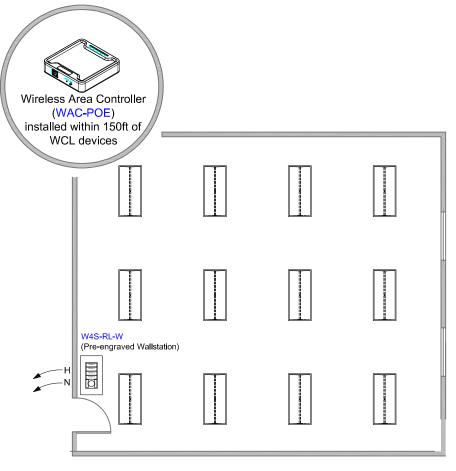
CLASSROOM WITH 0-10V DIMMING



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Bill of Materials

Qty	Catalog #

W4S-RL-W 1

24EN-LD2-34-UNV-L835-CD1-SWPD1-U 12

Description

Wireless Area Controller

4 Small button scene wallstation

Encounter 2x4 with INstinct Sensor

SEQUENCE OF OPERATIONS

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR **OFFICES**
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

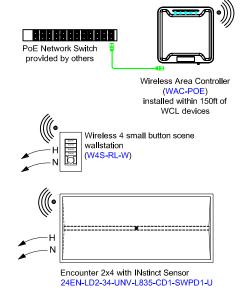
MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE & LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

TYPICAL WIRING DETAIL



Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16

























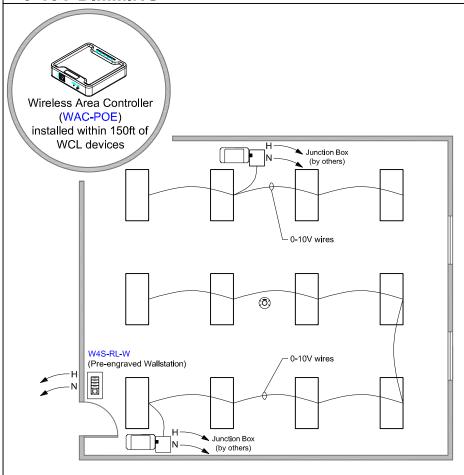
CLASSROOM SWITCHPACK WITH

0-10V DIMMING

www.elanlighting.com







Bill of Materials

Qty	Catalog #	Description
	MAC DOE	\Mirologo Aro

WAC-POE W4S-RL-W 1 2 WSP-MV-010

CWPD-1500

Wireless Area Controller

4 Small button scene wallstation 20A relay with 0-10V dimming WaveLinx ceiling occupancy sensor

Recommended Design Practices:

Distance between WCL devices

Number of hops from WAC

Number of areas per WAC

Number of zones per area

Number of scenes per area

Gateway/WAC range

Number of interior walls

Distance from WAC to

1st WCL device

SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

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- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
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- DAYLIGHTING NOT REQUIRED FOR INDOOR
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- SCENE RAISE
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- UL2900-1 LISTED FOR NETWORK CYBERSECURITY

Best Practice:

150 feet to 250 feet

2 walls

150 feet

75 feet

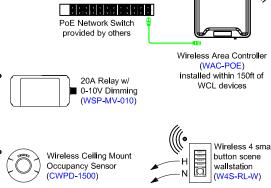
4 hops

15 + construction area

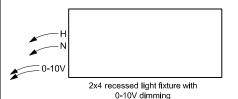
3

16

TYPICAL WIRING DETAIL



H	Wireless 4 small button scene wallstation (W4S-RL-W)
H	button scene wallstation (W4S-RL-W)























Maximum:

300 feet LOS

3 walls

200 feet

150 feet

5 hops

15 + construction area

16



CONFERENCE ROOM WITH 0-10V DIMMING



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SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

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- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

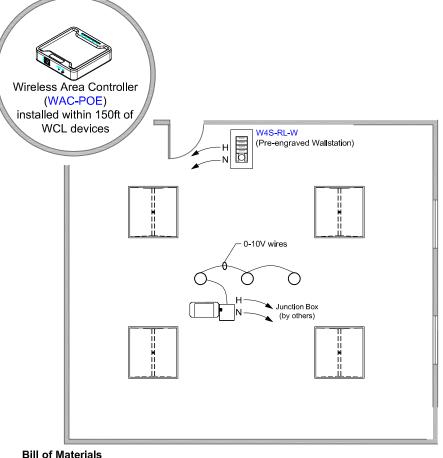
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- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**



Qty Catalog

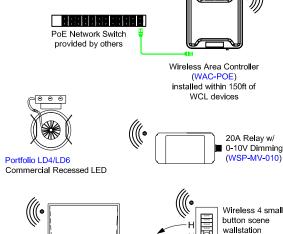
- **WAC-POE** W4S-RL-W 1
- WSP-MV-010 1
- 3 LD4 or LD6
- 22EN-LD2-34-UNV-L835-CD1-SWPD1-U

Description

Wireless Area Controller 4 Small button scene wallstation 20A relay with 0-10V dimming

Porfolio Commercial Recessed LED Encounter 2x2 with INstinct Sensor

TYPICAL WIRING DETAIL



Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16





Wireless 4 small wallstation





















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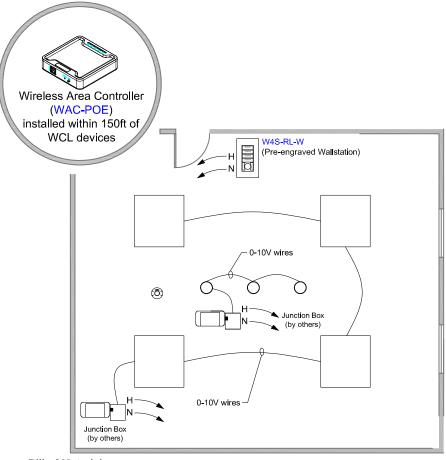
CONFERENCE ROOM SWITCHPACK

WITH 0-10V DIMMING

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Bill of Materials

Qty Catalog

WAC-POE

W4S-RL-W 1

2 WSP-MV-010

CWPD-1500

Description

Wireless Area Controller 4 Small button scene wallstation 20A relay with 0-10V dimming WaveLinx ceiling occupancy sensor

SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

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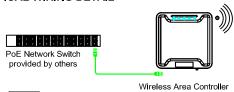
MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
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- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

TYPICAL WIRING DETAIL

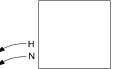




LED downlight fixture with 0-10V dimming



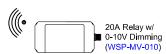
(WAC-POE installed within 150ft of







Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
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Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16























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CORRIDOR WITH 0-10V DIMMING



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SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

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- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
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DAYLIGHTING

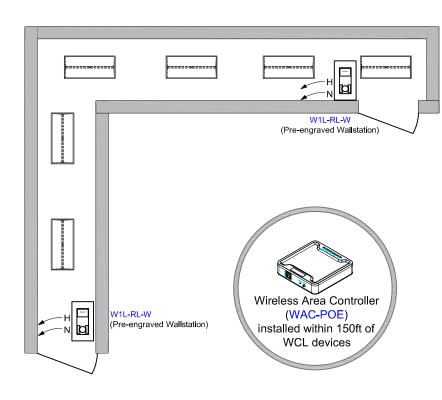
- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR OFFICES
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

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- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
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- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK CYBERSECURITY



Bill of Materials

Qty Catalog # 1 WAC-POE

2 W1L-RL-W

2 WIL-RL-W

6 24EN-LD2-34-UNV-L835-CD1-SWPD1-U

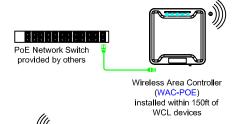
Description

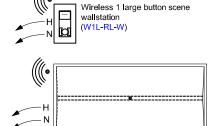
Wireless Area Controller

1 Large button scene wallstation Encounter 2x4 with INstinct Sensor

DI-O Elicodittei 2x4 With Instille

TYPICAL WIRING DETAIL





Encounter 2x4 with INstinct Sensor 24EN-LD2-34-UNV-L835-CD1-SWPD1-U

Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
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Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
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Manua

Manually Switche

Receptacle

umen Maintenance

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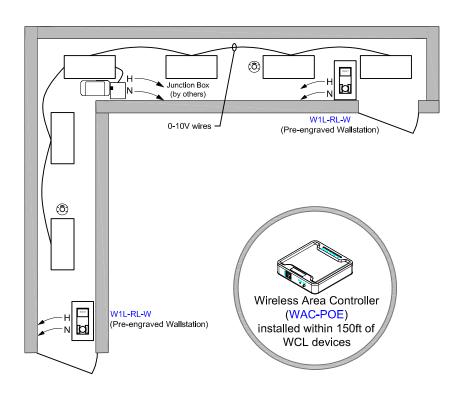
CORRIDOR SWITCHPACK WITH

0-10V DIMMING

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LIGHTING

OCCUPANCY

- OUT OF THE BOX 75% HIGH END TRIM

- OUT OF THE BOX AUTO ON TO 50%

SEQUENCE OF OPERATIONS:

- 0-10V LIGHTING LOADS - UP TO 3 DIMMING ZONES

- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR **OFFICES**
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

Best Practice:

150 feet to 250 feet

2 walls

150 feet

75 feet

4 hops

15 + construction area

3

16

Bill of Materials

Qty Catalog

WAC-POE

2 W1L-RL-W

WSP-MV-010 1

CWPD-1500

Description

Wireless Area Controller 1 Large button scene wallstation 20A relay with 0-10V dimming

WaveLinx ceiling occupancy sensor

Gateway/WAC range

Number of interior walls

Distance from WAC to

1st WCL device

Recommended Design Practices:

Distance between WCL devices

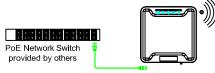
Number of hops from WAC

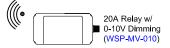
Number of areas per WAC

Number of zones per area

Number of scenes per area

TYPICAL WIRING DETAIL

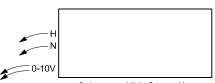












2x4 recessed light fixture with 0-10V dimming

























Maximum:

300 feet LOS

3 walls

200 feet

150 feet

5 hops

15 + construction area

16

IECC 2015 DESIGN GUIDE

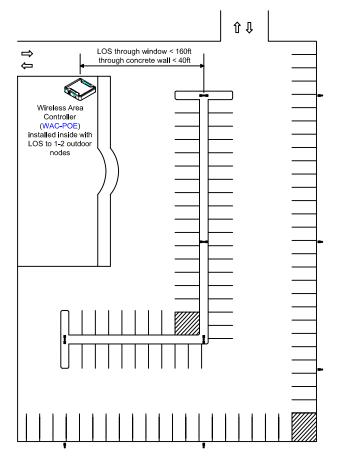
EXTERIOR LIGHTING WITH

WIRELESS CONTROLS

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Bill of Materials

Qty	Catalog #
1	WAC-POE

WOLC-7P-10A 13

GLEON-AF-04-LED-E1-5MQ-BZ 8

GLEON-AF-04-LED-E1-T4W-BZ

Description

Wireless Area Controller WaveLinx Outdoor Control Module Galleon LED Area/Site Luminaire Galleon LED Area/Site Luminaire

SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

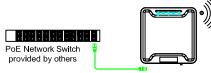
MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

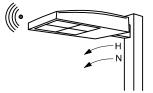
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 - UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

TYPICAL WIRING DETAIL



Wireless Area Controller installed within 150ft of WCL devices

Recommended Design Practices:	Best Practice (SWPD4/SWPD5):	Best Practice (WOLC-7P-10A):
Gateway/WAC to 1st Fixture	40ft (concrete)/ 160ft (LOS window)	200ft (LOS window)
Number of interior walls	LOS through window	LOS through window
Distance between Hops	160 feet LOS	200 feet LOS
Number of Hops	10 hops	10 hops



Galleon Area Luminaire w/ Wireless Outdoor Control Module GLEON-AF-04-LED-E1-T4W-BZ WOLC-7P-10A























ON/OFF

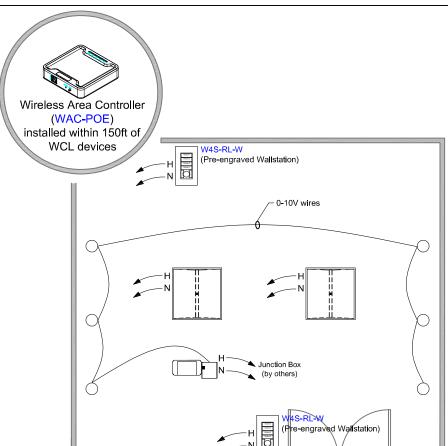
IECC 2015 DESIGN GUIDE

LOBBY WITH 0-10V DIMMING



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Bill of Materials

Qty Catalog

- 1 WAC-POE
- 2 W4S-RL-W
- 1 WSP-MV-010
- 6 LD4 or LD6
- 2 22EN-LD2-34-UNV-L835-CD1-SWPD1-U

Description

Wireless Area Controller
4 Small button scene wallstation
20A relay with 0-10V dimming
Porfolio Commercial Recessed LED
Encounter 2x2 with INstinct Sensor

SEQUENCE OF OPERATIONS

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
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DAYLIGHTING

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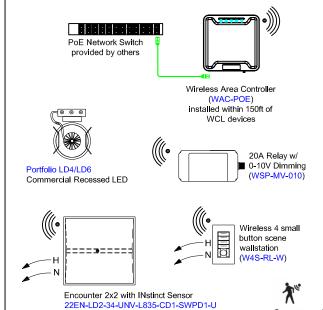
MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE & LOWER
- ALL OFF

ADDITIONAL FEATURES

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TYPICAL WIRING DETAIL



Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16























LOBBY SWITCHPACK WITH

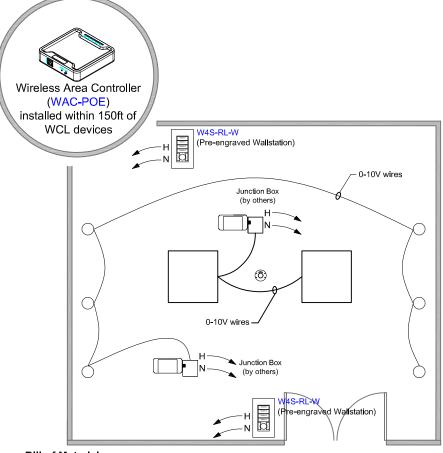
0-10V DIMMING



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Bill of Materials

Qty Catalog

WAC-POE

2 W4S-RL-W

2 WSP-MV-010

CWPD-1500

FEB 20

Description

Wireless Area Controller 4 Small button scene wallstation 20A relay with 0-10V dimming WaveLinx ceiling occupancy sensor

SEQUENCE OF OPERATIONS

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

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- OPTIONAL VACANCY MODE
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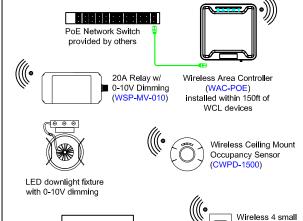
MANUAL CONTROLS

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ADDITIONAL FEATURES

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button scene wallstation





















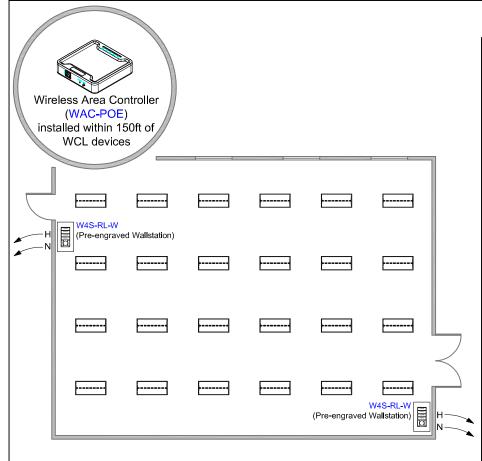
OPEN OFFICE WITH 0-10V DIMMING



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SEQUENCE OF OPERATIONS

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR **OFFICES**
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE & LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

Bill of Materials

Qty Catalog # WAC-POE

2 W4S-RL-W

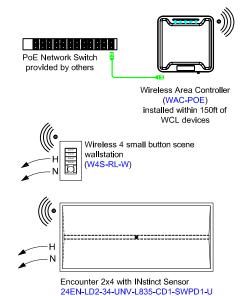
24 24EN-LD2-34-UNV-L835-CD1-SWPD1-U

Description

Wireless Area Controller

1 Large button scene wallstation Encounter 2x4 with INstinct Sensor

TYPICAL WIRING DETAIL



Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16



















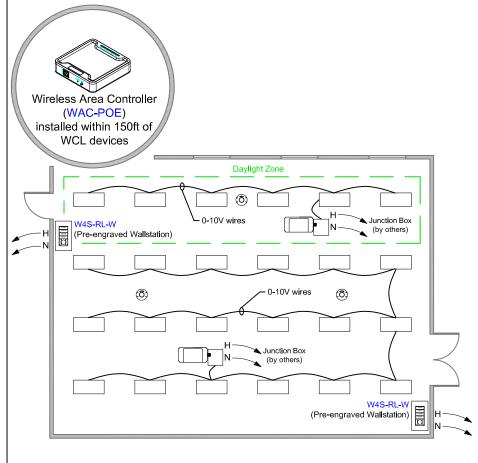


OPEN OFFICE SWITCHPACK

WITH 0-10V DIMMING

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SEQUENCE OF OPERATIONS

LIGHTING

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- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

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DAYLIGHTING

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- DAYLIGHTING NOT REQUIRED FOR INDOOR **OFFICES**
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

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- SCENE RAISE & LOWER
- ALL OFF

ADDITIONAL FEATURES

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- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
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- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

Bill of Materials

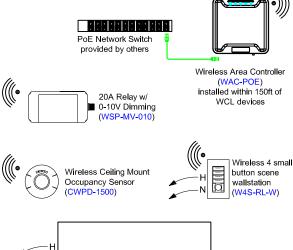
Qty Catalog # **WAC-POE**

- 2 W4S-RL-W WSP-MV-010 2
- **CWPD-1500**

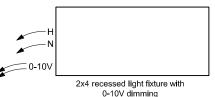
Description

Wireless Area Controller 4 Small button scene wallstation 20A relay with 0-10V dimming WaveLinx ceiling occupancy sensor

TYPICAL WIRING DETAIL



Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16



FEB 20























PRIVATE OFFICE WITH 0-10V DIMMING



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SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

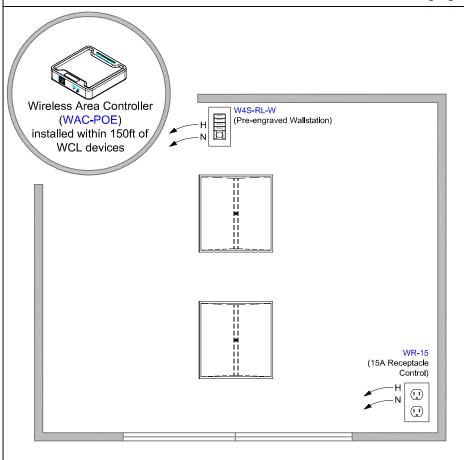
- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

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- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
 - UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**



Bill of Materials

Qty Catalog

WAC-POE

W4S-RL-W 1

WR-15 1

22EN-LD2-34-UNV-L835-CD1-SWPD1-U

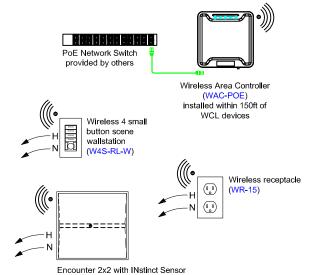
Description

Wireless Area Controller

4 Small button scene wallstation Wavelinx Receptacle

Encounter 2x2 with INstinct Sensor

TYPICAL WIRING DETAIL



22EN-LD2-34-UNV-L835-CD1-SWPD1-U

Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16























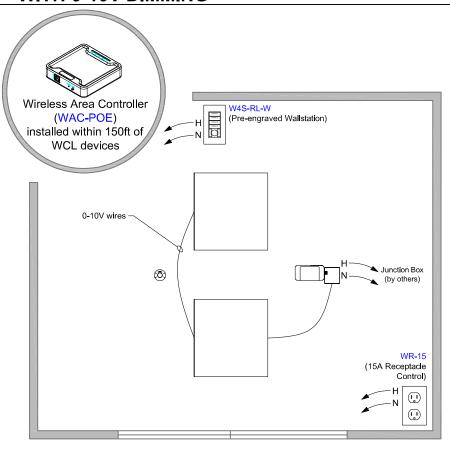
PRIVATE OFFICE SWITCHPACK

WITH 0-10V DIMMING

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Bill of Materials

Catalog

- WAC-POE
- W4S-RL-W
- WSP-MV-010
- 1 WR-15
- CWPD-1500

Description

Wireless Area Controller

4 Small button scene wallstation 20A relay with 0-10V dimming

Wavelinx Receptacle

WaveLinx ceiling occupancy sensor

Gateway/WAC range

Number of interior walls

Distance from WAC to

Distance between WCL devices

Number of hops from WAC

Number of areas per WAC

Number of zones per area

Number of scenes per area

1st WCL device

Recommended Design Practices:

SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

Best Practice:

150 feet to 250 feet

2 walls

150 feet

75 feet

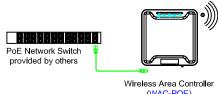
4 hops

15 + construction area

3

16

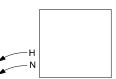
TYPICAL WIRING DETAIL





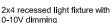








Wireless 4 small button scene wallstation (W4S-RL-W)



















Maximum:

300 feet LOS

3 walls

200 feet

150 feet

5 hops

15 + construction area

16





WAREHOUSE WITH 0-10V DIMMING

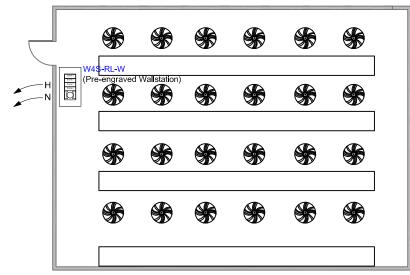


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Bill of Materials

Qty Catalog

WAC-POE

1 24

W4S-RL-W SSLED-24-UNV-L840-CD2-ZW-SWPD3

Description

Wireless Area Controller

4 Small button scene wallstation Steeler High Bay with INstinct Sensor

Recommended Design Practices:

Distance between WCL devices

Number of hops from WAC

Number of areas per WAC

Number of zones per area

Number of scenes per area

Gateway/WAC range

Number of interior walls

Distance from WAC to

1st WCL device

SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
- INDIVIDUAL LUMINAIRE DAYLIGHT DIMMING
- DAYLIGHTING NOT REQUIRED FOR INDOOR
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
- SCHEDULING OF PARTIAL OFF LIGHT LEVELS AND TIMES FROM WIRELESS AREA CONTROLLER
- UL924 EMERGENCY CONTROL CAPABILITIES AVAILABLE VIA LUMINAIRE BATTERY BACKUP
- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

Best Practice:

150 feet to 250 feet

2 walls

150 feet

75 feet

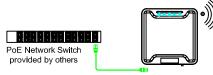
4 hops

15 + construction area

3

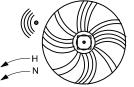
16

TYPICAL WIRING DETAIL



Wireless Area Controller installed within 150ft of WCL devices





Steeler High Bay with INstinct Sensor SSLED-24-UNV-L840-CD2-ZW-SWPD3



















Maximum:

300 feet LOS

3 walls

200 feet

150 feet

5 hops

15 + construction area

16





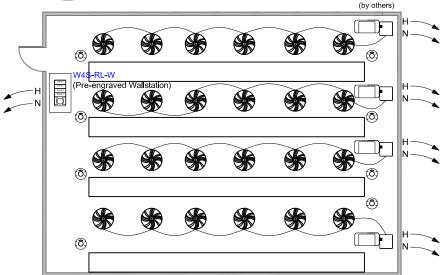
WAREHOUSE SWITCHPACK

WITH 0-10V DIMMING

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Bill of Materials

Qty Catalog

WAC-POE

W4S-RL-W 1

4 WSP-MV-010

8 **CWPD-1500**

Description

Wireless Area Controller 4 Small button scene wallstation 20A relay with 0-10V dimming WaveLinx ceiling occupancy sensor

Junction Box

SEQUENCE OF OPERATIONS:

LIGHTING

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- OUT OF THE BOX 75% HIGH END TRIM

OCCUPANCY

- OUT OF THE BOX AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- PLUG LOAD TURNS ON WITH OCCUPANCY
- AUTOMATIC OFF OF LIGHTING AND PLUG LOAD ON VACANCY

DAYLIGHTING

- CONTINUOUS DIMMING TO OFF
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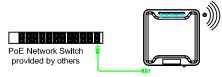
MANUAL CONTROLS

- PROGRAMMABLE SCENES
- SCENE RAISE
- SCENE LOWER
- ALL OFF

ADDITIONAL FEATURES

- ENERGY CALCULATIONS AVAILABLE THROUGH TRELLIX
- AUTOMATIC DEMAND RESPONSE AVAILABLE FROM WIRELESS AREA CONTROLLER
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- UL2900-1 LISTED FOR NETWORK **CYBERSECURITY**

TYPICAL WIRING DETAIL

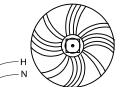


Wireless Area Controller installed within 150ft of WCL devices





Wireless Ceiling Mount Occupancy Sensor (CWPD-1500)







20A Relay w/ 0-10V Dimming (WSP-MV-010)

Recommended Design Practices:	Best Practice:	Maximum:
Gateway/WAC range	150 feet to 250 feet	300 feet LOS
Number of interior walls	2 walls	3 walls
Distance from WAC to 1st WCL device	150 feet	200 feet
Distance between WCL devices	75 feet	150 feet
Number of hops from WAC	4 hops	5 hops
Number of areas per WAC	15 + construction area	15 + construction area
Number of zones per area	3	16
Number of scenes per area	16	16























ON/OFF

IECC 2015 DESIGN GUIDE

NETWORK POE INJECTOR

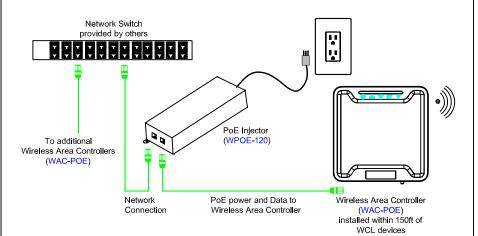
POWERED WAC (WAC-120)

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FEATURES

- EASILY INSTALLED ON CEILING, WALL, SHELF, RACK OR DIN RAIL
- POWERED VIA POWER OVER ETHERNET (POE)
- CONTROLS UP TO 150 WAVELINX DEVICES (LIGHT FIXTURES, RELAY SWITCHPACKS, WALLSTATIONS, SENSORS, ETC.)
- SUPPORTS 15 USER DEFINED AND 1 CONSTRUCTION AREA WITH MULTIPLE LIGHTING ZONES, OCCUPANCY SETS AND DAYLIGHT SETS PER AREA
- DRAG AND DROP PROGRAMMING OF LIGHTING ZONES AND AREAS VIA WAVELINX MOBILE APP
- CONNECTS TO BUILDING LAN FOR ACCESS TO BMS AND OPENADR INTERFACES
- UL2900-1 LISTED FOR NETWORK CYBERSECURITY

Recommended Design Practices:	Best Practice:	Maxlmum:
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Distance between WCL devices	75 feet	150 feet
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Number of scenes per area	16	16



















IECC 2015 DESIGN GUIDE

NETWORK WIRELESS ACCESS

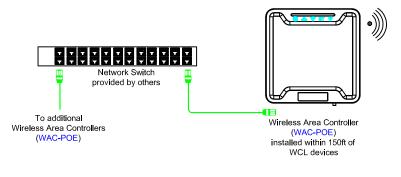
CONTROLLER (WAC-POE)

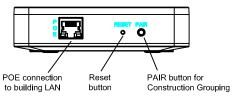
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FEATURES

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