

**Bill of Materials**

Qty	Catalog #	Description
1	WAC-POE	Wireless Area Controller
2	WSP-MV-010	20A relay with 0-10V dimming
1	CWPD-1500	WaveLinx ceiling occupancy sensor

**SEQUENCE OF OPERATIONS:**

**LIGHTING**

- 0-10V LIGHTING LOADS
- UP TO 3 DIMMING ZONES
- DAYLIGHT DIMMING ZONES OF NO MORE THAN EIGHT LUMINAIRES
- OUT OF THE BOX 75% HIGH END TRIM

**OCCUPANCY**

- AUTOMATIC AUTO ON TO 50%
- OPTIONAL VACANCY MODE
- OPTIONAL AUTO ON TO SCENE
- OPTIONAL PLUG LOAD TURNS ON/OFF 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 SPACES
- NOT REQUIRED IN SPACES WITHOUT WINDOWS THAT ARE LESS THAN 120W.

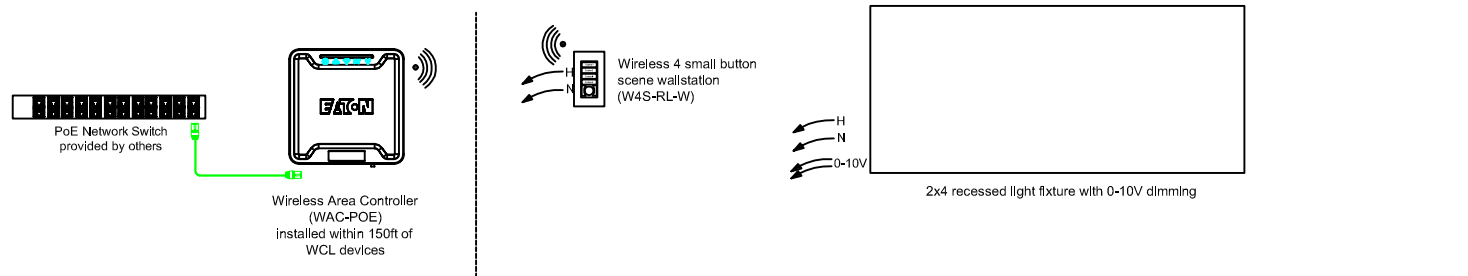
**MANUAL CONTROLS**

- PROGRAMMABLE SCENES
- DOMINANT BUTTON IS 50% LIGHT LEVEL
- SCENE RAISE
- SCENE LOWER
- ALL OFF

**ADDITIONAL FEATURES**

- POWER MEASUREMENT REPORTING THROUGH MOBILE APPLICATION
- 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

**TYPICAL WIRING DETAIL**



Design Consideration:	Best Practice:	Best Practice:
Gateway/WAC range	150 feet to 250 feet LOS	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	16	16
Number of zones per area	3	16
Number of scenes per area	6	10

	Local Control	Manual ON	Partial ON	Bi-level Lighting	Daylight Slide	Daylight Top	Partial OFF	Automatic OFF	Scheduled OFF	Receptacle Control	Energy Monitoring	Parking Garage	Functional Testing	Demand Response	Enhanced Digital
IECC 2015	C405.2.2.3	C405.2.2.3	C405.2.1.1		C405.2.3.2	C405.2.3.1	C405.2.1.2	C405.2.1.1	C405.2.2.1	C405.2.4		C405.2.5	C405.2.3		C406.4

