**SEQUENCE OF OPERATIONS:**

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

**OCCUPANCY**
- AUTOMATIC 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**
- TOP OR DOMINANT BUTTON HALF LIGHTS
  (SETS LIGHTS TO 50% OR LESS)
- REMAINING BUTTONS TRIGGER SCENES
- RAISE
- 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

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**Bill of Materials**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Catalog #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WAC-POE</td>
<td>Wireless Area Controller</td>
</tr>
<tr>
<td>5</td>
<td>W4S-RL-W</td>
<td>1 Large button scene wallstation</td>
</tr>
<tr>
<td>24</td>
<td>24EN-LD2-34-UNV-L835-CD1-SWPD1-U</td>
<td>Encounter 2x4 with INstinct Sensor</td>
</tr>
</tbody>
</table>

**TYPICAL WIRING DETAIL**

- Wireless Area Controller (WAC-POE) installed with 160ft WCL devices

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**Design Considerations**

- **WAC range:** 150 feet to 200 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 (100 feet)
- **Number of loops from WAC:** 4 loops (5 loops)
- **Number of zones per WAC:** 16 / 16
- **Number of zones per area:** 3 / 16
- **Number of scenes per area:** 6 / 10