**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**
- DOMINANT BUTTON IS 50% LIGHT LEVEL
- PROGRAMMABLE SCENES
- 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

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**TYPICAL WIRING DETAIL**

- **Wireless Area Controller (WAC-POE)** installed within 150 feet of WCL devices
- **4 Small button scene wallstation (W4S-RL-W)**

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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>1</td>
<td>W4S-RL-W</td>
<td>4 Small button scene wallstation</td>
</tr>
<tr>
<td>2</td>
<td>WR-15</td>
<td>Wireless Receptacle</td>
</tr>
<tr>
<td>12</td>
<td>24EN-LD2-34-UNV-L835-CD1-SWP01-U</td>
<td>Encounter 2x4 with INstinct Sensor</td>
</tr>
</tbody>
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**Design Considerations**

- **Gateway/WAC range**: 150 feet to 250 feet LOS
- **Number of interior walls**: 2 walls to 3 walls
- **Distance from WAC to 1st WCL device**: 150 feet
- **Distance between WCL devices**: 75 feet
- **Number of hops from WAC**: 4 hops to 5 hops
- **Number of areas per WAC**: 16 to 16
- **Number of zones per area**: 3 to 18
- **Number of scenes per area**: 5 to 18