**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
- 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

---

**TYPICAL WIRING DETAIL**

![Typical Wiring Diagram](image)

**Bill of Materials**

<table>
<thead>
<tr>
<th>Qty</th>
<th>Catalog #</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>WAC-POE</td>
<td>Wireless Area Controller</td>
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<tr>
<td>6</td>
<td>W4S-RL-W</td>
<td>1 Large button scene wallstation</td>
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<tr>
<td>4</td>
<td>WSP-MV-010</td>
<td>WaveLinx Relay 0-10V Switchpack</td>
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<tr>
<td>4</td>
<td>LDCM-PL - 120-277 - 010V -GR</td>
<td>Linear Dimming Control Modules</td>
</tr>
<tr>
<td>23</td>
<td>24EN-LD2-34-UNV-L835-CD1-SWPD1-U</td>
<td>Encounter 2x4 with iNstinct Sensor</td>
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</tbody>
</table>

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**Design Consideration:**

<table>
<thead>
<tr>
<th>Gateway/WAC range</th>
<th>Best Practice:</th>
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<tbody>
<tr>
<td>150 feet to 200 feet LOS</td>
<td>300 feet LOS</td>
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<table>
<thead>
<tr>
<th>Number of interior walls</th>
<th>Best Practice:</th>
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<tbody>
<tr>
<td>2 walls</td>
<td>3 walls</td>
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</table>

<table>
<thead>
<tr>
<th>Distance from WAC to 1st WCL device</th>
<th>Best Practice:</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 feet</td>
<td>300 feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Distance between WCL devices</th>
<th>Best Practice:</th>
</tr>
</thead>
<tbody>
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<td>75 feet</td>
<td>150 feet</td>
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**Best Practice:**

<table>
<thead>
<tr>
<th>Gateway/WAC range</th>
<th>300 feet LOS</th>
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</thead>
<tbody>
<tr>
<td>Number of interior walls</td>
<td>3 walls</td>
</tr>
<tr>
<td>Distance from WAC to 1st WCL device</td>
<td>300 feet</td>
</tr>
<tr>
<td>Distance between WCL devices</td>
<td>150 feet</td>
</tr>
</tbody>
</table>

**System Diagrams:**

- Wireless Area Controller (WAC-POE)
- Wireless 4 small button scene wallstation (W4S-RL-W)
- WaveLinx Relay 0-10V (WSP-MV-010)
- Linear Dimming Control Modules (LDCM-PL - 120-277 - 010V -GR)
- Encounter 2x4 with iNstinct Sensor (24EN-LD2-34-UNV-L835-CD1-SWPD1-U)

**Enhanced Digital Demand Response:**

- Automatic Demand Response
- Scheduled PARTIAL OFF Level

**Automatic Demand Response:**

- Partial OFF
- Automatic OFF
- Scheduled OFF

**Energy Monitoring:**

- Energy Monitoring
- Receptacle Control
- Functional Monitoring
- Demand Response

**Enhanced Digital:**

- Gateway/WAC range
- Number of interior walls
- Distance from WAC to 1st WCL device
- Distance between WCL devices
- Number of hops from WAC
- Number of areas per WAC
- Number of zones per area
- Number of scenes per area