Intellect™
Intelligent Fixture Control System
Controlling Next Generation Lighting

Offering customers a complete end-to-end professional lighting and wireless control solution

Streamlined solution that allows greater freedom of design in almost any space

Professional smart lighting control based on wireless technology
Engineered to simplify energy management and code compliance, the Intellect Intelligent Fixture Control System requires only two devices—Intellect-enabled fixtures* and an Intellect Keypad Room Controller—to enable advanced lighting control strategies.

**Easy Energy Savings**
- Intellect-enabled fixtures offer essential out-of-the-box functionality, self-contained solutions that can be used to comply with IECC, ASHRAE 90.1 and 2016 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements
- Compliant with DesignLights Consortium (DLC) Networked Lighting Controls (NLC) specifications

**Easy Specification, Layout and Design**
- Each Intellect-enabled luminaire integrates a sensor which wirelessly communicates with the Keypad Room Controller and other Intellect devices within the space
- No additional gateway or hub needed

**Easy Installation**
- Plug and play operation
- Ladderless commissioning via the Bluetooth-enabled Intellect App

**Easy Operation**
- Configure, monitor and control the system from an Android or iOS smart device with the Intellect App
- Easily program the Keypad Room Controller to meet the lighting needs of any space using the Intellect App
Intellect System Components and Layout

Welcome to Intellect
Scan for available Intellect Controllers

Wireless Communication
Via Bluetooth Enabled Intellect App

* Use the Linear Power Control Module (ZL027-DLE) as a UL924 emergency bypass device by connecting it to the Emergency Sense Pigtail (ZL027-0ES) with the cable provided.
Intellect System Options

**Intellect™ enabled**

Virtually any fixture can be Intellect-enabled and made available in several formats:

Intellect-enabled fixtures that include both an embedded Intellect Linear Power Control Module and embedded Intellect Sensor Head provide a simple out-of-the-box wireless solution.

- Embedded Linear Power Control Module
- Embedded Sensor Head

Intellect-enabled fixtures that include an embedded Intellect Power Control Module with the Intellect Sensor Control Module mounted remotely allow for a larger selection of fixtures to be used with Intellect.

- Embedded Power Control Module
- Wired Sensor Control Module Mounted Remotely in Ceiling

The Intellect Power Control Module, Sensor and cable can also be added to any 0-10V fixture in the field. Almost any fixture can be Intellect-enabled by a fixture manufacturer with 0-10V capability.

**Easy Steps to Create an Intellect-Enabled Fixture in the Field**

1. Choose the appropriate Power Control Module
2. Choose the appropriate Sensor
3. Choose the cables
4. Install

---

**Power Control Module**

This module, included in each luminaire, receives commands from the Sensor Control Module, delivers relay power and 0-10V control to set dimming levels to the rest of the system through the Sensor Control Module.

**Sensor Control Module**

Sensor wirelessly communicates to all other devices in the room, provides occupancy and light level detection, and controls the load directly by the Power Control Module.

**Keypad Room Controller**

Multi-function primary user and system interface manages all devices to coordinate functions within the room through a wireless mesh network and connects to an Android or iOS smart device using the Bluetooth enabled App. Custom engraving for switch buttons and wall plates available.

**Intellect App**

Wireless communication using the Bluetooth enabled app allows for room configuration, monitoring and remote control from an Android or iOS smart device.

www.Leviton.com/Apps

---

www.leviton.com/intellect
Leviton Intellect App

Configure, monitor and control the system using an Android or iOS smart device for Ladderless Commissioning™. The Intellect App simplifies configuring occupancy sensors and daylight harvesting zones to create scenes and program keypads.

Leviton.com/Apps
Intellect Technology for Intelligent Fixture Control

- Simplify energy management and code compliance
- Can be used to comply with energy code requirements for IECC, ASHRAE 90.1 and 2016 Title 24, Part 6
- Compliant with DesignLights Consortium (DLC) specifications for Networked Lighting Controls (NLC)

- Increase energy savings
- Optimize space functionality
- Improve the comfort of a space for occupants to work or learn

- Boost productivity
- Configure, control and monitor the system from your smart device with the Intellect App

www.leviton.com/intellect
The Intellect Decora® Keypad Room Controller is the primary user interface to an Intellect Intelligent Fixture Control System, combining both familiar pushbutton control and energy management business logic into line voltage-powered wireless communication devices. The Keypad Room Controller manages a room by coordinating the activities of all devices within the space.

It also provides as the primary interface between the smartphone/tablet commissioning and control device with the Intellect system. The Keypad integrates with Intellect-enabled downlights, track fixtures, troffers and other lighting fixtures to create an advanced intelligent lighting system that can be used to comply with IECC, ASHRAE 90.1 and 2016 Title 24, Part 6 requirements. Switch buttons and screwless wall plates can also be custom engraved.

Compliant with DesignLights Consortium (DLC) specifications for Networked Lighting Controls (NLC), Intellect is made up of three interchangeable components. A range of options are available to meet the specific needs of virtually any lighting fixture type.

Intellect Keypad Room Controller

- Programmable using any Bluetooth-enabled Android or iOS smart device using the Intellect App
- Multi-location switching
- Occupancy detection—minor motion coverage area is equivalent to fixture coverage area
- Multi-zone daylight harvesting—no limit to number of zones
- Programmable Intellect Keypad Room Controller buttons—assignable with one of the following behaviors:
  - Scene—collection of Groups at a level
  - Toggle—button turns an individual group ON/OFF
  - Room ON—all lights go to their target level or to MAX if they are not in a daylighting zone
  - Room OFF—all lights go OFF
  - Raise—lights get incrementally brighter from their current position; lights that are off stay off
  - Lower—lights get incrementally dimmer from current position; lower will only dim the lights to their minimum value
- User controlled fixture Groups—no limit to number of Groups
- Integral scene support—scenes are collections of Groups, each at their own level, programmed with a fade time and recalled from a pushbutton or the app

Intellect System Features
Available across the Leviton lighting brand portfolio including Intense, ConTech and Birchwood Lighting as well as other fixture manufacturers.

Ordering Information

<table>
<thead>
<tr>
<th>Power Control Modules</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZL027-N0W</td>
<td>Intellect Power Control Module</td>
</tr>
<tr>
<td>ZL027-DLE</td>
<td>Intellect Linear Power Control Module</td>
</tr>
<tr>
<td>ZL027-0ES</td>
<td>Emergency Sense Pigtail for use w/ Intellect Linear Power Control Module</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sensor Control Modules</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZL00-J-D0W</td>
<td>Intellect PIR Sensor Control Module w/ Integrated Photocell</td>
</tr>
<tr>
<td>ZL00-J-T0W</td>
<td>Intellect PIR Sensor Head Module w/ Integrated Photocell</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cables</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZLAEX-012</td>
<td>Extension cable, 12”</td>
</tr>
<tr>
<td>ZLAEX-018</td>
<td>Extension cable, 18”</td>
</tr>
<tr>
<td>ZLAEX-024</td>
<td>Extension cable, 24”</td>
</tr>
<tr>
<td>ZLAEX-030</td>
<td>Extension cable, 30”</td>
</tr>
<tr>
<td>ZLAEX-H18</td>
<td>High temperature extension cable, 18”</td>
</tr>
<tr>
<td>ZLAEX-H48</td>
<td>High temperature extension cable, 48”</td>
</tr>
<tr>
<td>ZLAEX-H96</td>
<td>High temperature extension cable, 96”</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Keypads</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZLDNK-01W</td>
<td>Intellect Decora 1-Button Keypad</td>
</tr>
<tr>
<td>ZLDNK-02W</td>
<td>Intellect Decora 2-Button Keypad</td>
</tr>
<tr>
<td>ZLDNK-04W</td>
<td>Intellect Decora 4-Button Keypad</td>
</tr>
<tr>
<td>ZLDNK-0B8</td>
<td>Intellect Decora 8-Button Keypad</td>
</tr>
<tr>
<td>CKDNK-10Y</td>
<td>1 Button Color Change Kit</td>
</tr>
<tr>
<td>CKDNK-20Y</td>
<td>2 Button Color Change Kit</td>
</tr>
<tr>
<td>CKDNK-40Y</td>
<td>4 Button Color Change Kit</td>
</tr>
<tr>
<td>CKDNK-80Y</td>
<td>8 Button Color Change Kit</td>
</tr>
<tr>
<td>CKDNK-1Ey</td>
<td>1 Button Color Change Kit w/ Engraving</td>
</tr>
<tr>
<td>CKDNK-2Ey</td>
<td>2 Button Color Change Kit w/ Engraving</td>
</tr>
<tr>
<td>CKDNK-4Ey</td>
<td>4 Button Color Change Kit w/ Engraving</td>
</tr>
<tr>
<td>CKDNK-8Ey</td>
<td>8 Button Color Change Kit w/ Engraving</td>
</tr>
<tr>
<td>WPDN0-1Ex</td>
<td>Engraved Wallplate</td>
</tr>
</tbody>
</table>

* Replace y and x to indicate color: (W) = White, (I) = Ivory, (T) = Light Almond, (G) = Gray (R) = Red, (E) = Black

Wallplate purchased separately, recommended Leviton Cat. No. 80301 screwless wallplates

Recommended Applications

**Healthcare Facilities**
Easily create groups and scenes to improve the comfort of a space for occupants

**Office Spaces**
Individually addressable lighting that’s perfect for the modern work space

**Educational Buildings/Rooms**
Simplified occupancy sensing and daylight harvesting for maximized energy savings

www.leviton.com/intellect