LEVITON®

Intellect™

Intelligent Fixture Control System

Intellect™

Controlling Next Generation Lighting

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

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

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Professional smart lighting control based on wireless technology

LEVITON

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 2019 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements

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

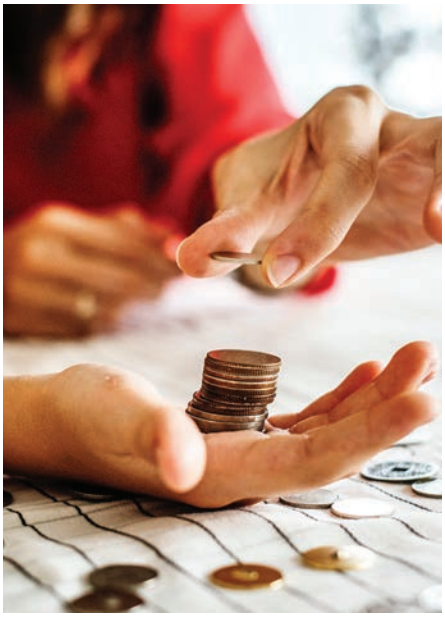
Easy Installation

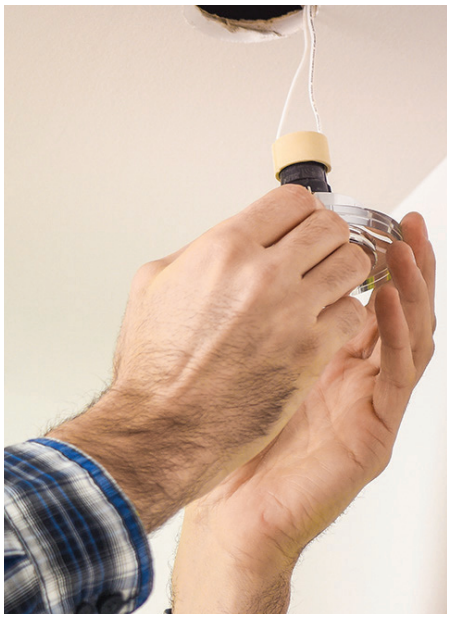
- Plug and play operation
- Ladderless commissioning via the Bluetooth-enabled Intellect App

Easy Operation

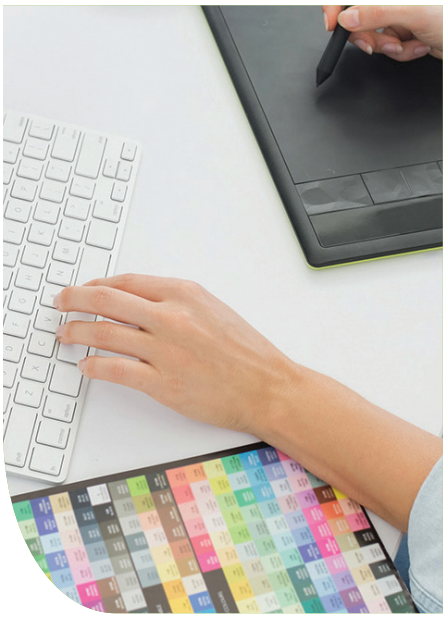
- Configure, monitor and control the system from an Android or iOS smart device with the Intellect App
- Easily program the Keypad Room Controller to meet the lighting needs of any space using the Intellect App

ON
OFF





Welcome to Intellect
Scan for available Intellect Controllers
Scan



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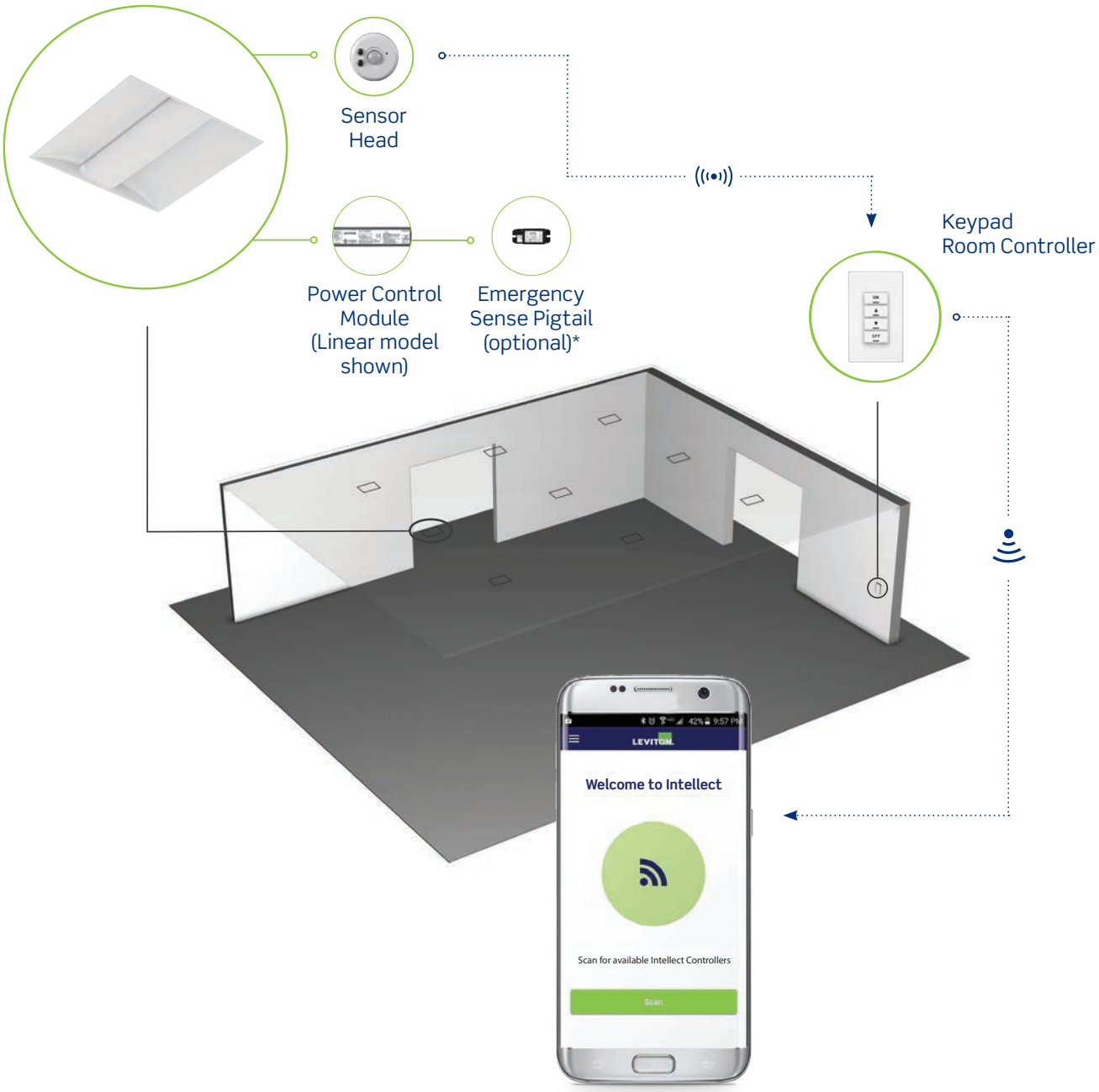
Cloud

Intellect System Components and Layout



Wireless Communication
Via Bluetooth Enabled Intellect App

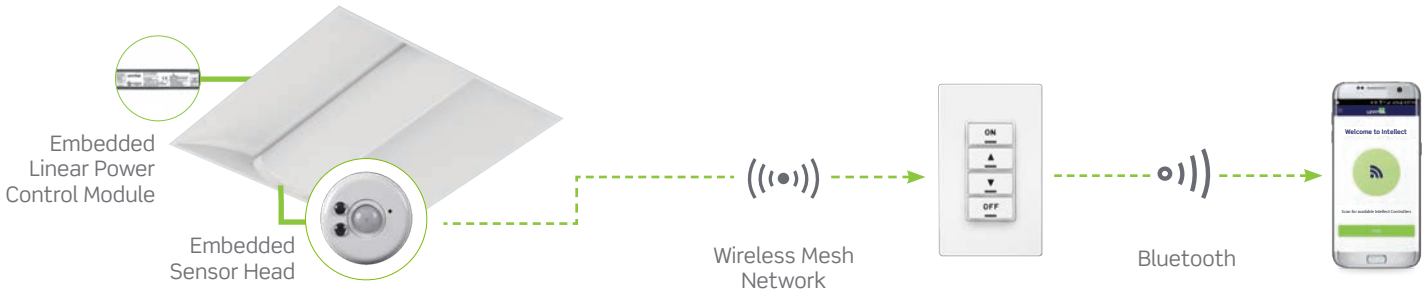
* Use the Linear Power Control Module (ZL027-DLE) as a UL924 emergency bypass device by connecting it to the Emergency Sense Pigtail (ZL027-0ES) with the cable provided.

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.



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.

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.

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.

Sensor Control Module

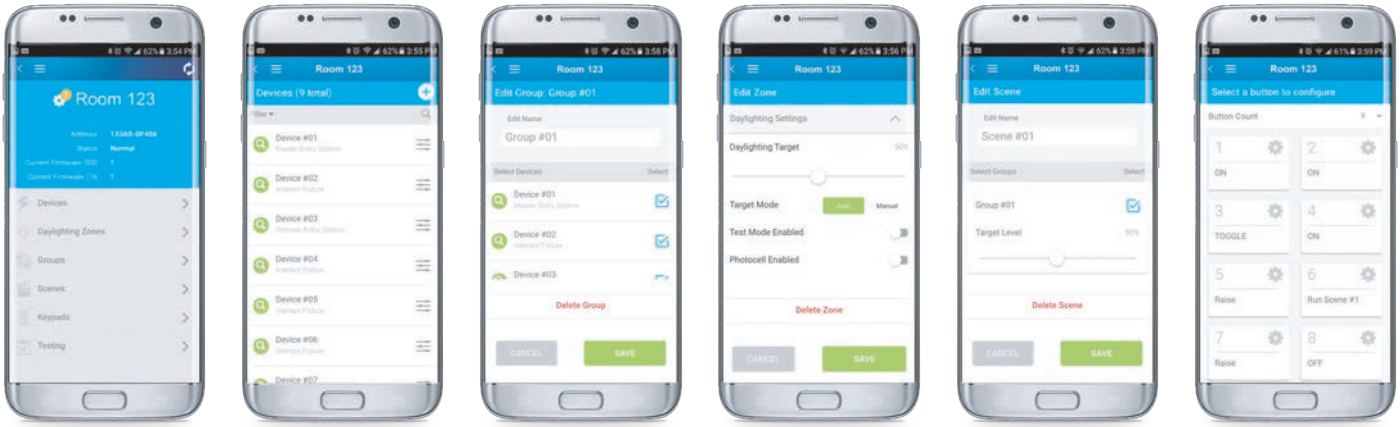
Sensor wirelessly communicates to all other devices in the room, provides occupancy and light level detection, and controls the load directly by the Power Control Module.

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

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.



Home Screen | Manage Devices | Create Groups | Configure Daylighting Zones | Edit Scenes | 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 2019 Title 24, Part 6

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

Intellect Keypad Room Controller

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 2019 Title 24, Part 6 requirements. Switch buttons and screwless wall plates can also be custom engraved.

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 System Features

- 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™

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

Ordering Information

Power Control Modules	
Cat. No.	**Description**
ZL027-N0W	Intellect Power Control Module
ZL027-DLE	Intellect Linear Power Control Module
ZL027-0ES	Emergency Sense Pigtail for use with Intellect Linear Power Control Module

Sensor Control Modules	
Cat. No.	**Description**
ZL00J-D0W	Intellect PIR Sensor Control Module with Integrated Photocell
ZL00J-T0W	Intellect PIR Sensor Head Module with Integrated Photocell

Cables	
Cat. No.	**Description**
ZLAEX-012	Extension cable, 12”
ZLAEX-018	Extension cable, 18”
ZLAEX-024	Extension cable, 24”
ZLAEX-030	Extension cable, 30”
ZLAEX-H18	High temperature extension cable, 18”
ZLAEX-H48	High temperature extension cable, 48”
ZLAEX-H96	High temperature extension cable, 96”

Keypads	
Cat. No.*	**Description**
ZLDNK-01W	Intellect Decora 1-Button Keypad
ZLDNK-02W	Intellect Decora 2-Button Keypad
ZLDNK-04W	Intellect Decora 4-Button Keypad
ZLDNK-08W	Intellect Decora 8-Button Keypad
CKDNK-10y	1 Button Color Change Kit
CKDNK-20y	2 Button Color Change Kit
CKDNK-40y	4 Button Color Change Kit
CKDNK-80y	8 Button Color Change Kit
CKDNK-1Ey	1 Button Color Change Kit with Engraving
CKDNK-2Ey	2 Button Color Change Kit with Engraving
CKDNK-4Ey	4 Button Color Change Kit with Engraving
CKDNK-8Ey	8 Button Color Change Kit with Engraving
WPDN0-1Ex	Engraved Wallplate

* 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

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