

# Intellect™ Keypad Room Controller

## Use with Intellect Intelligent Fixture Control System



### Description

The Leviton Intellect™ Decora® Keypad Room Controller is the primary user interface in an Intellect Intelligent Fixture Control System, combining both familiar pushbutton control and energy management business logic into line voltage-powered wireless communication devices. The Intellect Keypad manages a room by coordinating activities of all devices within the space. Intellect Keypad works with wireless devices for expanded wireless room control capabilities.

It also provides the primary interface between the configurator tool and the Intellect system. The Keypad integrates with Intellect-enabled downlights, track fixtures, troffers, and other lighting fixture types. Create a simple but advanced intelligent lighting system 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.

The Intellect Intelligent Fixture Control System is made up of two interchangeable components. A range of options are available to meet the specific needs of each lighting fixture type.

- **Intellect-Enabled Light Fixture**—light fixture embedded with Intellect technology, enabling wireless communication, integrated occupancy, vacancy and light level detection; operates as a complete out-of-the-box energy management and code compliant lighting control solution
- **Keypad Room Controller**—acts as the primary user interface and coordinates all the functions within the room; provides the Bluetooth® interface for connection to the Intellect App

### Smartphone Bluetooth App

Wirelessly commission, configure, control, monitor and provision the Intellect system using the Intellect App designed for an Android or iOS smart device or other Bluetooth-enabled devices within a 30' range.

### Features

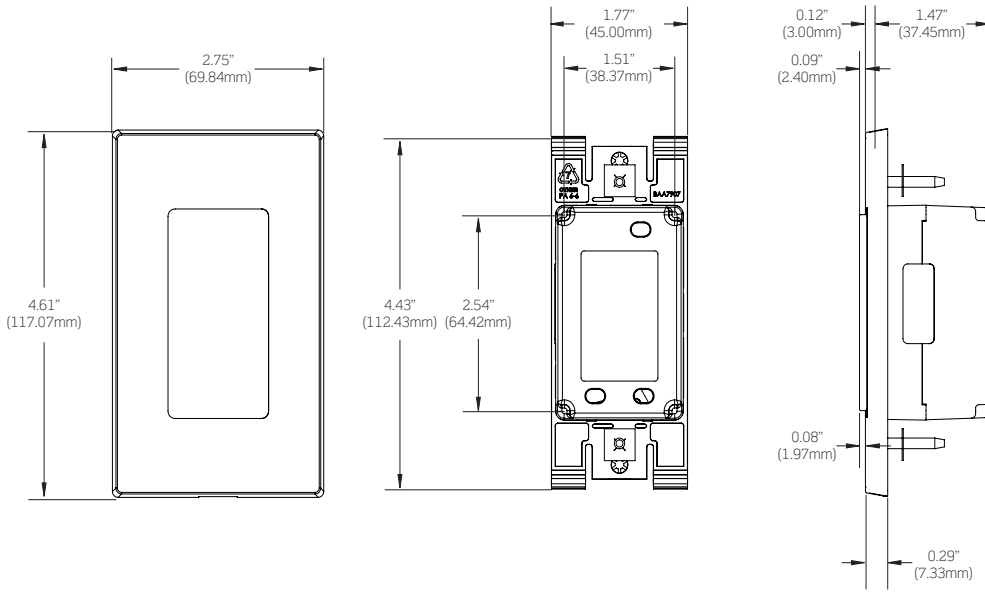
- Bluetooth interface for connection to any Android or iOS devices with Bluetooth 3.0 or later interface—download Intellect App via [Leviton.com/apps](http://Leviton.com/apps) or Google Play Store or Apple App Store
  - Configuration
  - Control
  - Status monitoring
- Every node is a repeater
- Line voltage powered
- Implements energy management business logic for Intellect-enabled devices
- Customizable buttons that can be programmed through the Intellect App to perform a variety of functions:
  - Room ON/OFF
  - Group ON/OFF
  - Scenes
  - Any fixture at any level
  - Fade times
  - Preset groups
  - Toggle
- Button LEDs monitor and track actual room status
- Decora aesthetic
- Available in 1-, 2-, 4- and 8-button models
- Custom engraving available on switch buttons and screwless wall plates
- LED status indicators
- Multiple operating modes: toggle maintained, toggle momentary and preset
- Intellect products are listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL) when used as part of a GreenMAX DRC System



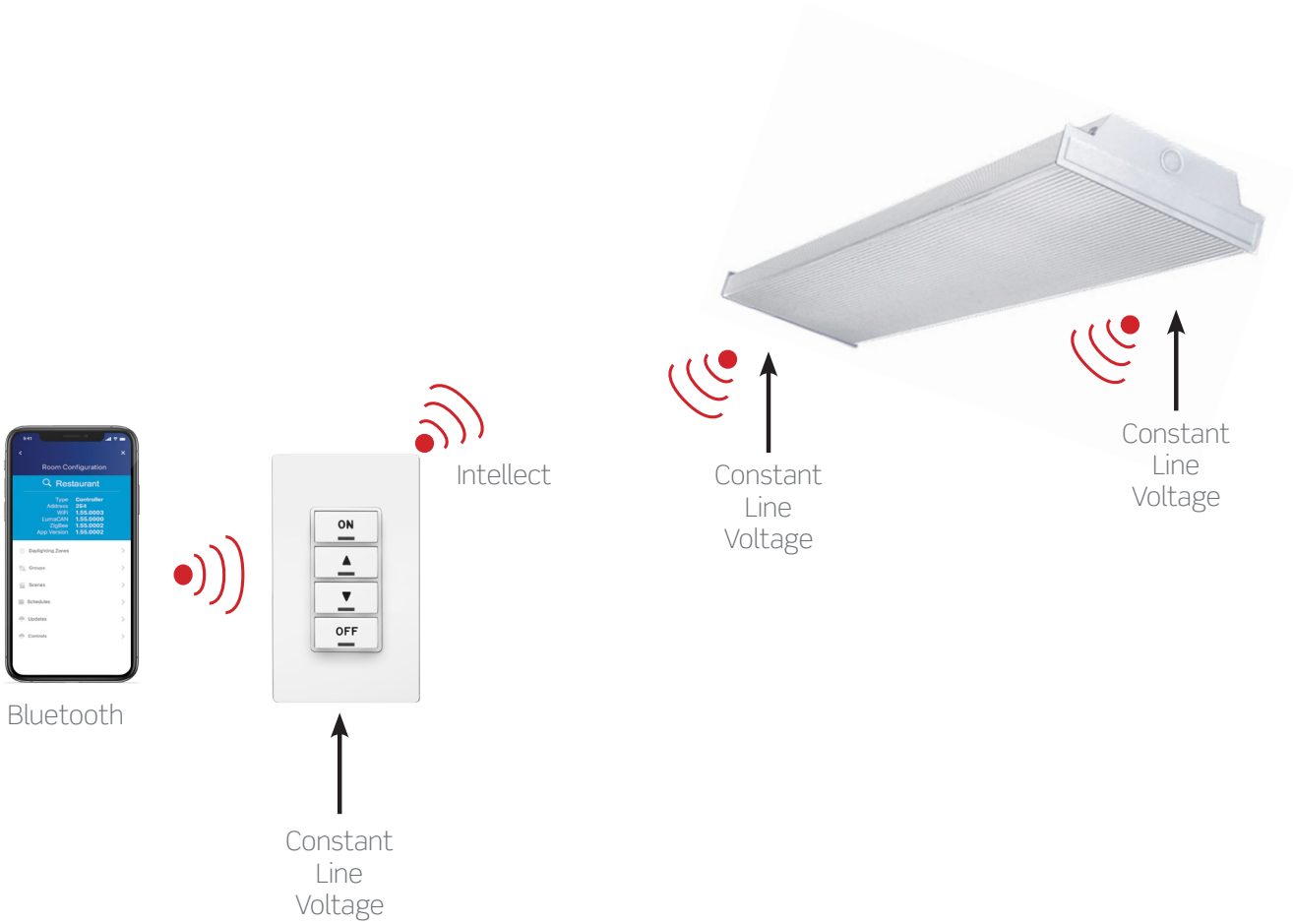
# Product Data

## ZLDNK-xxx

### Dimensions Diagram



### Wiring Diagram



**Specifications**

<b>Electrical</b>	
Input voltage	120-230-277VAC , 50/60 Hz, 40mA
Output	None—wireless communication only
Communication	2.4 GHz wireless mesh network Up to 75' between Leviton wireless devices, mesh network—all devices are repeaters Up to 30' between Keypad and Bluetooth phone or tablet 75' between Keypad and first fixtures
Connections	16 AWG (Power connections)
<b>Environmental</b>	
Operating Temperature Range	32° to 122° F (0° to 50° C)
Storage Temperature Range	-4° to 185° F (-20° to 85° C)
Relative Humidity	0 to 90% non-condensing, for indoor use only
<b>Other</b>	
Intellect System Energy Codes	Can be used to comply with IECC, ASHRAE 90.1 and 2019 Title 24, Part 6 dimming, occupancy/vacancy sensing and daylight harvesting requirements
Intellect System Listings	UL/cUL Listed, UL924, NOM Certified, RoHS 2 Compliant, and IEC61000-4-2, complies with IEEE 802.15.4, UL916 standard for energy management equipment, listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL) when used as part of a GreenMAX DRC System
Radio Certifications	FCC certified for wireless communication (U.S.), FCC ID: W7Z-ZICM357SP0, IC Certified (Canada), IC ID: 854A-ZICM357SP0
Warranty	Limited 5-Year

**Intellect and Wireless Devices Compatibility Chart**

Room Controllers*		Intellect Keypad Room Controllers* ZLDNK-01W   ZLDNK-02W   ZLDNK-04W   ZLDNK-08W
<b>Compatible Wireless Devices</b>		
Load Control Devices		Wireless 20A ON/OFF Switching Power Pack LU20S-DNW
		Wireless 10A 0-10V Dimming Power Pack LU107-DNW
		Wireless 800W Phase Cut Dimming Power Pack LU04P-1NW
On/OFF Switch		Wireless ON/OFF Decora® Wall Switch ZS10S-D0Z
0-10V Dimmer		Wireless 0-10V Decora® Wall Dimmer ZS057-D0Z   ZS057-30Z   ZS057-ALZ
Full Phase Dimmer		Lumina RF™ RF 1000W Dimmer DL1KD-1BZ
Occupancy Sensors		Integrated Wireless PIR Occupancy Sensor & Photocell ZC015-BIW
Configurator Tool		Intellect App Download via <a href="http://Leivton.com/apps">Leivton.com/apps</a> or Google Play Store or Apple App Store

\*Room Controllers can also be used as Remote Keypads for multi-way switching

**Ordering Information**

<b>Intellect Keypad</b>	
<b>Cat. No.</b>	<b>Description</b>
ZLDNK-01W	Intellect Decora 1-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
ZLDNK-02W	Intellect Decora 2-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
ZLDNK-04W	Intellect Decora 4-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
ZLDNK-08W	Intellect Decora 8-Button multi-function BLE keypad with room controller and LED feedback functionality. NEMA form factor, 120-277VAC, 50/60Hz, White
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

**Leviton Manufacturing Co., Inc. Lighting & Controls**

10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004

**Leviton Manufacturing Co., Inc. Global Headquarters**

201 North Service Road, Melville, NY 11747-3138 **tel** 800-323-8920 **tech line** (8:00AM-10:00PM ET Mon-Fri, 9:00AM-7:00PM ET Sat, 9:00AM-5:00PM ET Sun) 800-824-3005

**Visit our Website at: [www.leviton.com/intellect](http://www.leviton.com/intellect)**

©2024 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.