

Intellect™ Keypad Room Controller

Use with Intellect Integrated Fixture Control System



Description

The Leviton Intellect™ Decora® Keypad Room Controller is the primary user interface in an Intellect Integrated 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 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

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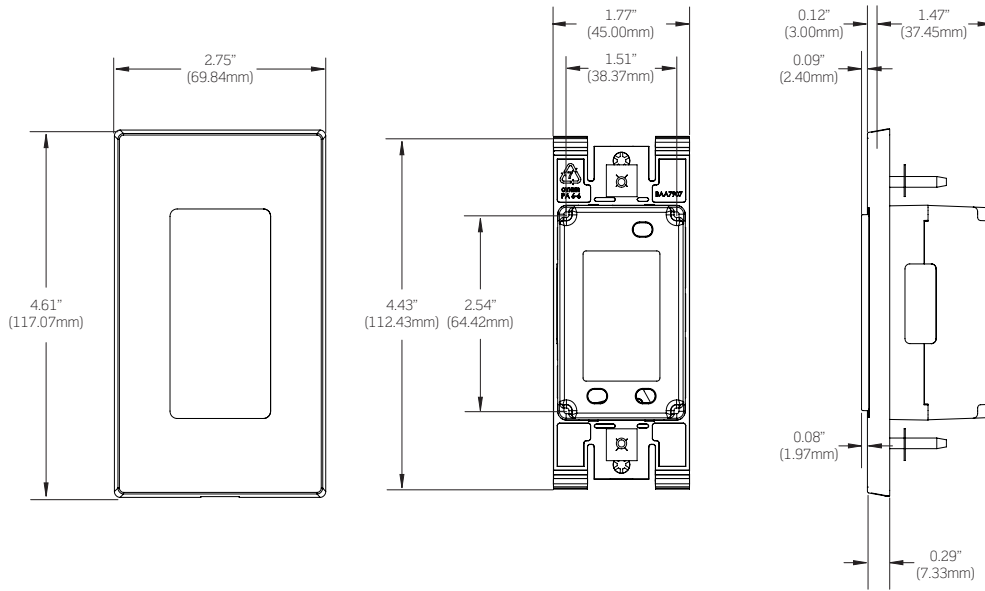
20497 SW Teton Avenue, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004

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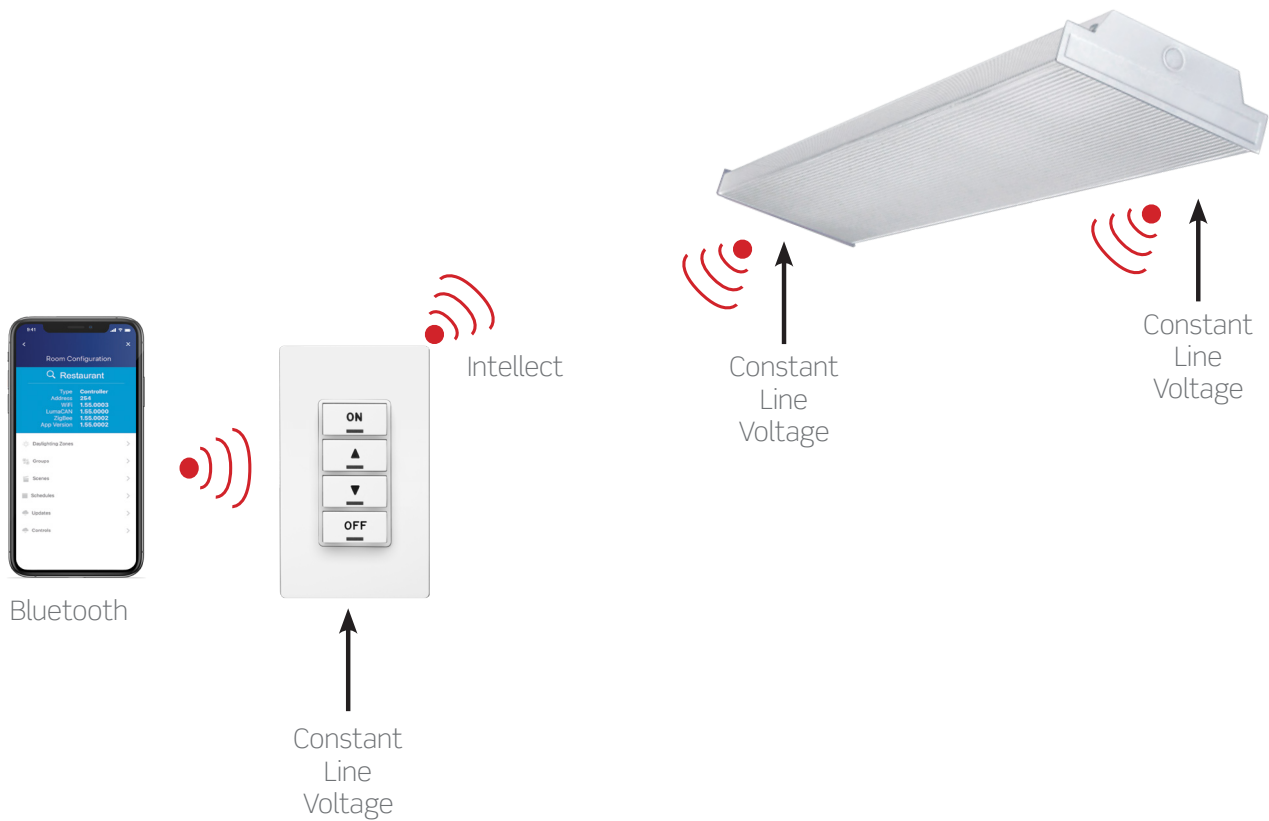
Product Data

ZLDNK-xxx

Dimensions Diagram



Wiring Diagram



Specifications

Electrical	
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)
Environmental	
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
Other	
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
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
Compatible Wireless Devices		
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		Wireless PIR Occupancy Sensors ZSC04-INW ZSC15-INW
Photocells		Wireless Photocells LURPC-01W
Configurator Tool		Intellect App Download via Leviton.com/apps or Google Play Store or Apple App Store

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

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Ordering Information

Cat. No.	Description
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

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Visit our Website at: www.leviton.com/intellect

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