

Lumina™ RF Keypad Room Controller

Use with Lumina RF Standalone Room Controller System



DESCRIPTION

The Leviton Lumina™ RF Decora® Keypad Room Controller (DLDNK) is the primary user interface for a Lumina RF Standalone Room Controller System, combining both familiar pushbutton control and energy management business logic into line voltage-powered wireless communication devices. The Lumina RF Keypad manages a room by coordinating activities of all devices within the space.

The Keypad integrates with the Lumina RF Occupancy Sensor (ZSC04/ZSC15) and Lumina RF Photocell (LURPC) to create an advanced intelligent lighting system that can be used to comply with IECC, ASHRAE 90.1, and 2016 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, and daylight harvesting requirements.

Dimming, multi-zone daylight harvesting, occupancy and vacancy sensing, manual control, and scene control are configured using the Bluetooth®-enabled Leviton Neuron™ app.

The Keypad also provides the primary interface between the smartphone/tablet commissioning and control device and the Lumina RF system. Wirelessly configure, control, monitor and provision the Lumina RF Standalone Room Controller System using the Bluetooth®-enabled Neuron app designed for an Android or iOS smart phone and other compatible devices within a 30' range.

APPLICATIONS

- Control of ZigBee-enabled lamps and fixtures by other manufacturers*
- Daylight harvesting with occupancy and light level sensing
- Room entry stations or remote (3-way) switch for use at other entry doors
- Coordination of energy management devices in a space

FEATURES

- Listed on the DesignLights Consortium (DLC) Qualified Product List (QPL) for Networked Lighting Control systems
- Bluetooth interface for connection to any Android or iOS devices with Bluetooth 3.0 or later interface—download Leviton Neuron app at Leviton.com/apps
 - Configuration
 - Control
 - Status monitoring
- Every node is a repeater
- Line voltage powered
- Implements energy management business logic for Lumina RF devices—Lumina RF Occupancy Sensors (ZSC04/ZSC15) and Lumina RF Photocell (LURPC)
- Customizable buttons that can be programmed through the Leviton Neuron app to perform a variety of functions:
 - Room ON/OFF
 - Group ON/OFF
 - Scene
 - Any fixture at any level
 - Fade time
 - Preset groups
 - Toggle
- Button LEDs monitor and track actual room status
- Decora aesthetic
- Available in 1-, 2-, 4- and 8-button models
- LED status indicators
- Multiple operating modes: toggle maintained, toggle momentary and preset

* For use in a Lumina RF Standalone Room Controller System only. ZigBee-enabled lamps and fixtures by other manufacturers are compatible only with Lumina RF Keypad Room Controllers (DLDNK), Lumina RF Occupancy Sensors (ZSC04), Lumina RF Photocells (LURPC) and the Neuron app.

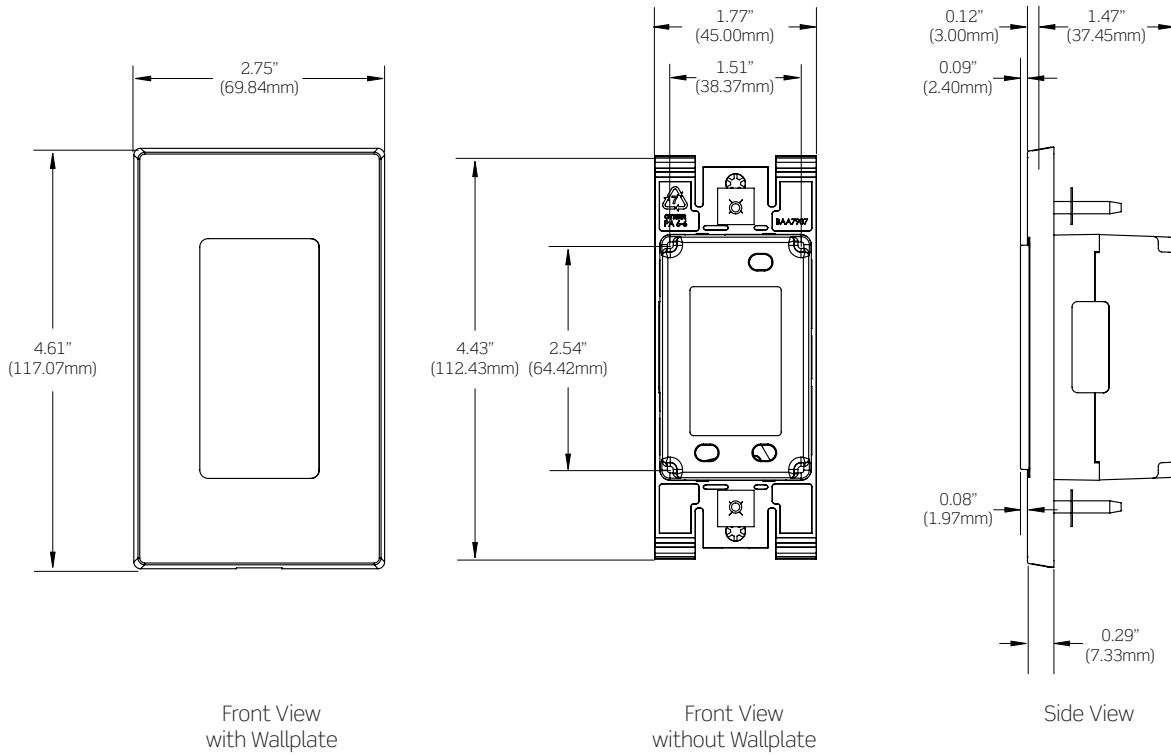
Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation

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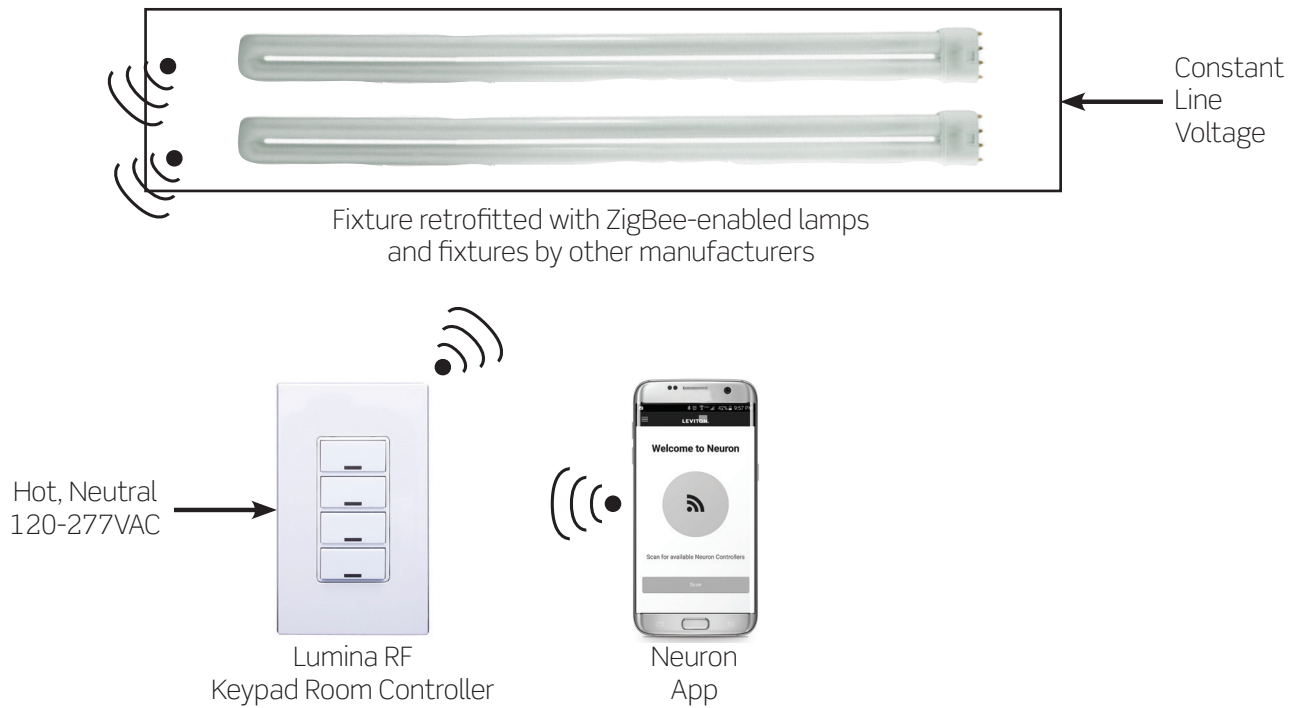
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DIMENSIONS



WIRING DIAGRAM



LUMINA RF STANDALONE ROOM CONTROLLER SYSTEM COMPATIBILITY CHART

Lumina RF Standalone Room Controller System		
Room Controller		DLDNK-01W DLDNK-02W DLDNK-04W DLDNK-08W Lumina RF Keypad Room Controllers*
Compatible Products		
Occupancy Sensors		ZSC04-IxW Lumina RF Wireless Occupancy Sensor
Photocells		LURPC-00W LURPC-01W Lumina RF Wireless Photocells*
Remote Keypads		DLDNK-01W DLDNK-02W DLDNK-04W DLDNK-08W Lumina RF Keypad Room Controllers*
Configurator Tool		Leviton Neuron App*
Load Control		ZigBee-enabled lamps and fixtures by other manufacturers**

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 Lumina RF 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° F 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	
Listings	Can be used to comply with IECC, ASHRAE 90.1, and 2016 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, and daylight harvesting requirements; DLC Advanced Lighting Controls Compliant, QPL Listing and Certification Pending, 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

* Not compatible with other Lumina RF Gateway products. Contact Leviton for more information.

** Sold separately. Refer to manufacturer's websites for additional product information.

PRODUCT DATA



ORDERING INFORMATION

CAT. NO.	DESCRIPTION
DLDNK-01W	Lumina RF Decora 1-Button multi-function BLE keypad with room controller and LED feedback functionality, 120-277VAC, 50/60Hz, White
DLDNK-02W	Lumina RF Decora 2-Button multi-function BLE keypad with room controller and LED feedback functionality, 120-277VAC, 50/60Hz, White
DLDNK-04W	Lumina RF Decora 4-Button multi-function BLE keypad with room controller and LED feedback functionality, 120-277VAC, 50/60Hz, White
DLDNK-08W	Lumina RF Decora 8-Button multi-function BLE keypad with room controller and LED feedback functionality, 120-277VAC, 50/60Hz, White

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