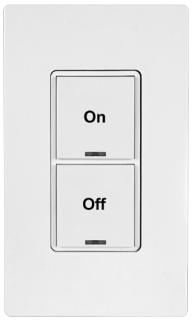
Product Data
DRKDN-Uxx

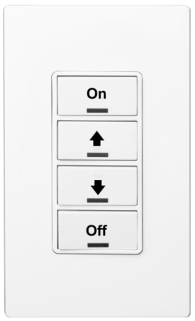
GreenMAX® DRC Wireless Keypad Room Controller

Use with GreenMAX DRC Wireless System

DRKDN-U1W



DRKDN-U2W



DRKDN-U4W

DRKDN-U8W

DESCRIPTION

The GreenMAX® DRC Wireless Keypad Room Controller serves as the "brain" of a wireless networked lighting control system when used with GreenConnect devices or Intellect-enabled lighting fixtures. The Room Controllers combine both familiar push button control and energy management business logic to coordinate the activities of all devices within the space.

Leviton Antimicrobial Color Change Kits (CKDAK) feature antimicrobial treated plastic to help keep its surfaces cleaner and prevent microorganisms from degrading the product. This product contains an antimicrobial agent to inhibit the growth of mold, mildew, fungus and odor-causing bacteria that cause discoloration, staining, deterioration or corrosion on the surface of the device in between normal cleanings.

GreenMAX DRC Wireless is a fully distributed room control system. Rooms may operate independently without a need for network processors or centralized controllers. This innovative system is fully configurable using the My Building mobile app and is listed on the DesignLights Consortium (DLC) Qualified Products List (QPL). Use the system to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, multi-level lighting, daylight harvesting, partial-ON, partial-OFF, scheduling, exterior lighting and receptacle control.

MYBUILDING APP

Wirelessly commission, configure, control, monitor and provision the GreenMAX DRC system using the MyBuilding App and an Android or iOS smart device.

APPLICATIONS

- Room controller for GreenMAX DRC systems
- Intellect-enabled lighting
- GreenConnect

SCHEDULER FEATURES

Allows end users to create and add events and schedules to fit the lighting control needs of the space. Connect to any Room Controller in a space using an Android or iOS smart device and the MyBuilding App. Add schedules and events to turn lights ON and OFF, dim lights, and enable and disable scenes.

- Schedules run on each Room Controller
- Each room controller can store up to (16) different schedules
- Each schedule can contain (32) events—an event contains the time an event will occur:
  - Specifies how the lights will change
  - Determines any behavior changes for the room

FEATURES

- One Room Controller required per room
- Wireless interface for configuration, control and status monitoring
  - Two operating modes: access point for standalone operation, and Wi-Fi client for connecting to building network
- Use any Android or iOS for configuration using the MyBuilding App at Leviton.com/apps
- Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)
- Models include 1-, 2-, 4-, and 8-button configurations
- Wireless mesh network for connection to GreenMAX DRC, Intellect, and GreenConnect wireless devices
- Antimicrobial treated plastic helps keep the device clean
- Acting as a room controller, these devices implement energy management business logic for the controlled space

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
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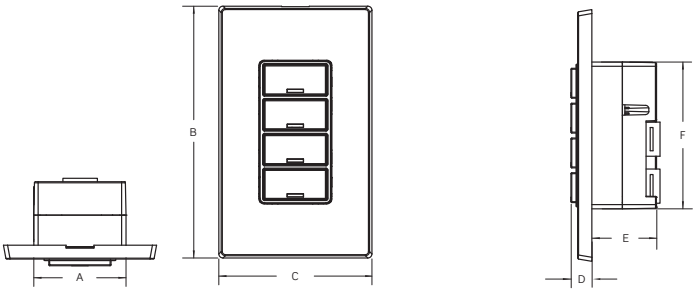
FEATURES, CONT'D

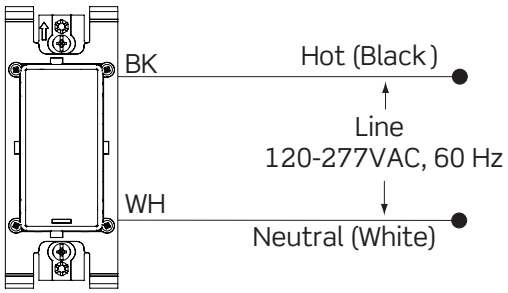
- Non-volatile memory allow Scheduler to work through power outages
- Status LED for each button
- Custom engraved labeling available on switch buttons and screwless wall plates
- - 1, 2, 4 button: up to 8 characters per two lines of text
- - 8 button: up to 4 characters per one line of text
- Available in White with Color Change Kits available for Ivory, Light Almond, Gray, Black, and Red
- Mounts in a standard depth wall box. All switches can be installed in a multi-gang application. The multi-gang wallplate is sold separately.
- Can be used to comply with IECC, ASHRAE 90.1 and 2025 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, daylight harvesting, partial- ON, partial-OFF, scheduling, demand response, and receptacle control requirements

Dimensions



	1,2,4,8 Button Switches
A	1.65" (42.06mm)
B	4.60" (117.07mm)
C	2.75" (69.85mm)
D	0.37" (9.55mm)
E	1.16" (29.51mm)
F	2.68" (68.25mm)

Wiring Diagram



SPECIFICATIONS

Electrical	
Input Power	120-277VAC, 50/60HZ, 30mA
Connectivity	
Intellect/Wireless	2.4 GHz wireless mesh network Up to 75' between Intellect and Wireless devices
Wi-Fi	Wi-Fi for local configuration or connection to building network
Environmental	
Ambient Temperature Range	32° to 122°F (0° to 50°C)
Ambient Humidity	0-90% non-condensing
Other	
Listings	Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)
Energy Codes	Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, multi-level lighting, daylight harvesting, partial-ON, partial-OFF, scheduling, exterior lighting, demand response, and receptacle control requirements
Warranty	5-year warranty

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COMPATIBLE DEVICES

Wireless Devices		
Wireless Keypad Room Controllers		DRKDN-U1W | DRKDN-U2W | DRKDN-U4W | DRKDN-U1W GreenMAX DRC Wireless Keypad Room Controllers
Load Control Devices		ZKS00-D0W Wireless 20A ON/OFF Switching Load Controller
		ZK700-D0W Wireless 10A 0-10V Dimming Load Controller
		ZKM00-10W Wireless 800W Phase Cut Dimming Load Controller
		ZBS00-D0W Wireless ON/OFF Wall Switch
		ZBM00-10W 1000W Forward Phase Wall Dimmer
		ZBK00-CSW Wireless Companion Switch
		ZBK00-CDW Wireless Companion Dimmer
		ZBR20-1SW Wireless Controlled Receptacle
Sensors		ZC015-BIW Wireless PIR Occupancy Sensor & Photocell
Configurator Tool		MyBuilding App Download via Leviton.com/apps, Google Play Store or Apple App Store

Intellect™ Enabled Fixtures		
VISCOR		ALRM Intellect-enabled LED ALLURA Linear Pendant Type M
		ALRA Intellect-enabled LED ALLURA Linear Pendant Type A
		ALRB Intellect-enabled LED ALLURA Linear Pendant Type B
		LRTH Intellect-enabled LED Troffer Dish Lensed
		LCOMN SQ Intellect-enabled LED Commercial Type N Square
ConTech Lighting		R4NCIE Intellect-enabled 4" Integrated LED Universal New Construction Downlight
		R4SQNCIE Intellect-enabled 4" Square Integrated LED Universal New Construction Downlight
		R6NCIE Intellect-enabled 6" LED Recessed Downlight; Universal New Construction Downlight
Birchwood Lighting		JAKE-LED Intellect-enabled Recessed Linear Luminaire
Intense Lighting		SS4G4DR Intellect-enabled 4" LED Round Downlight

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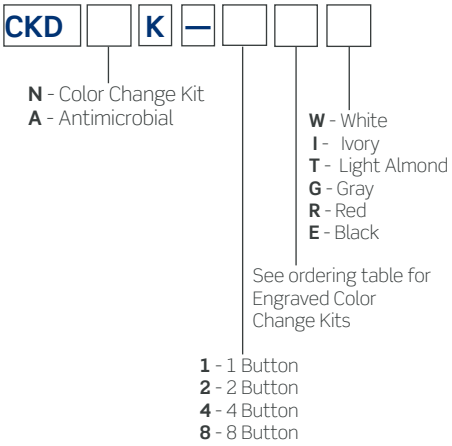
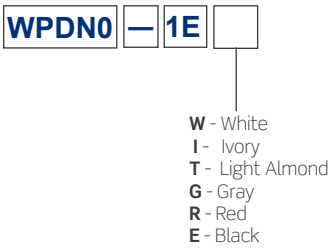
ORDERING INFORMATION

GreenMAX DRC Wireless Keypad Room Controllers	
Cat. No.*	**Description**
DRKDN-U1W	GreenMAX DRC Wireless Keypad Room Controller, 1-Button
DRKDN-U2W	GreenMAX DRC Wireless Keypad Room Controller, 2-Button
DRKDN-U4W	GreenMAX DRC Wireless Keypad Room Controller, 4-Button
DRKDN-U8W	GreenMAX DRC Wireless Keypad Room Controller, 8-Button

Color Change Kits Ordering Key



Ordering Key - Wallplate Custom Engraving



Engraved Color Change Kits Table

0	Color Change Kit
E	Custom Engraving
1	1-& 2-Button - Engraved On/Off
	4-Button - Engraved On, [Up Arrow], [Down Arrow], Off
	8-Button - Engraved On, 1, [Up Arrow], 2, [Down Arrow], 3, Off, 4
2	2-Button - Engraved 1,2
	4-Button - Engraved 1,2,3,4
	8-Button - Engraved On1, On2, [Up Arrow], [Up Arrow], [Down Arrow], [Down Arrow], Off1, Off2
3	4-Button - Engraved On, Off, 1, 2
4	4-Button - Engraved On1, Off1, On2, Off2

Wallplate purchased separately, recommended Leviton Cat. No. 80301 screwless wallplates
Antimicrobial Treated Wallplates sold separately

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

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