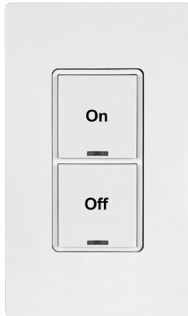


# GreenMAX® DRC Digital Keypads



DRKDN-C1W



DRKDN-C2W



DRKDN-C4W



DRKDN-C8W

## Description

Leviton GreenMAX® DRC Digital Keypads are specifically designed for use with GreenMAX DRC systems, and utilize LumaCAN protocols for unparalleled programming flexibility. All communication and control functions can be performed from any GreenMAX DRC Digital Keypad location. The Keypads offer out-of-the-box code compliant auto configuration with no commissioning required and also support auto-configuration when used with a GreenMAX DRC Room Controller. For additional features and control, the GreenMAX DRC App for Android and iPhone. Available in 1-, 2-, 4-, and 8-button configurations, these keypads connect using RJ45 connectors and CAT6 cabling.

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.

## System Description

The GreenMAX DRC Room Control System offers a fully distributed room control system, with each room operating independently of others—no dependence on network processors or centralized controllers. This revolutionary system is fully configurable via the GreenMAX DRC App for smart devices, and 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.

## GreenMAX DRC App

Wirelessly commission, configure, control, monitor and provision the GreenMAX DRC system using the GreenMAX DRC App designed for any WiFi-enabled Android or iOS smart device.

## Use With These Leviton Systems

- GreenMAX DRC
- Sapphire™ Touchscreen

## Applications

- Permanently installed keypad user interface to the GreenMAX DRC system
- Use with Sapphire™ as digital Keypad recalling scenes
- Multi-location control

## Features

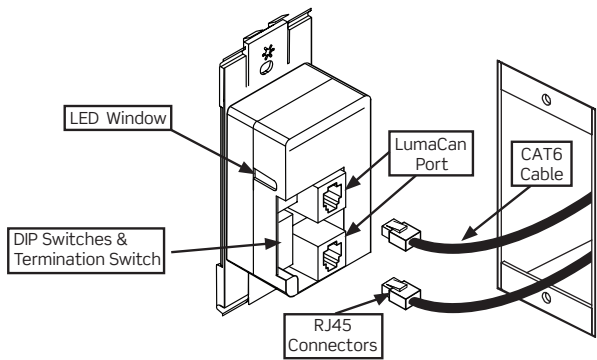
- Models include 1-, 2-, 4-, and 8-button configurations
- RJ45 connectors to provide IN and OUT connections to the LumaCAN network
- **Note:** Pass through connectors are not permitted in LumaCAN system configurations
- Supports auto-configuration when used with a GreenMAX DRC Room Controller
- Supports Auto Addressing
  - Allows nodes on the LumaCAN network to automatically be assigned an address, eliminating the need for manual addressing
  - All of the network nodes have a unique address
  - All components must be GreenMAX DRC System components at software release 1.74 or higher
  - All components must be connected to the LumaCAN network
- Can be used to comply with IECC, ASHRAE 90.1, and 2025 Title 24, Part 6 occupancy/vacancy sensing, multi-zone dimming, daylight harvesting, partial-ON, partial-OFF, scheduling, demand response and receptacle control requirements
- Custom engraving 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
- Each button can be individually programmed for ON, OFF, ON/OFF, dimmed raise/lower, scene ON level, group raise/lower, and other customizable scenes and settings via the GreenMAX DRC app
- Status LED for each button
- Mounts in a standard depth wall box. All switches can be installed in a multi-gang application. The multi-gang wallplate is sold separately
- Available in White with Color Change Kit available for Ivory, Light Almond, Gray, Black and Red
- Powered by the LumaCAN network

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

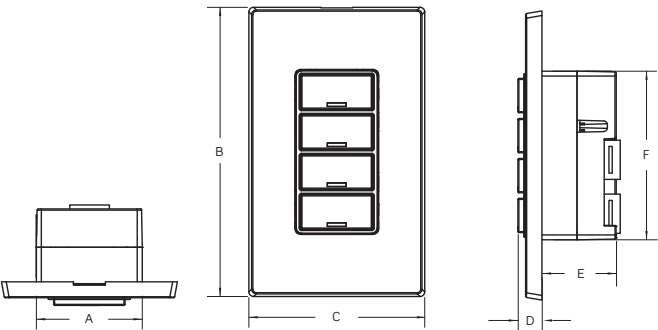
10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004

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Wiring Diagram—Rear View

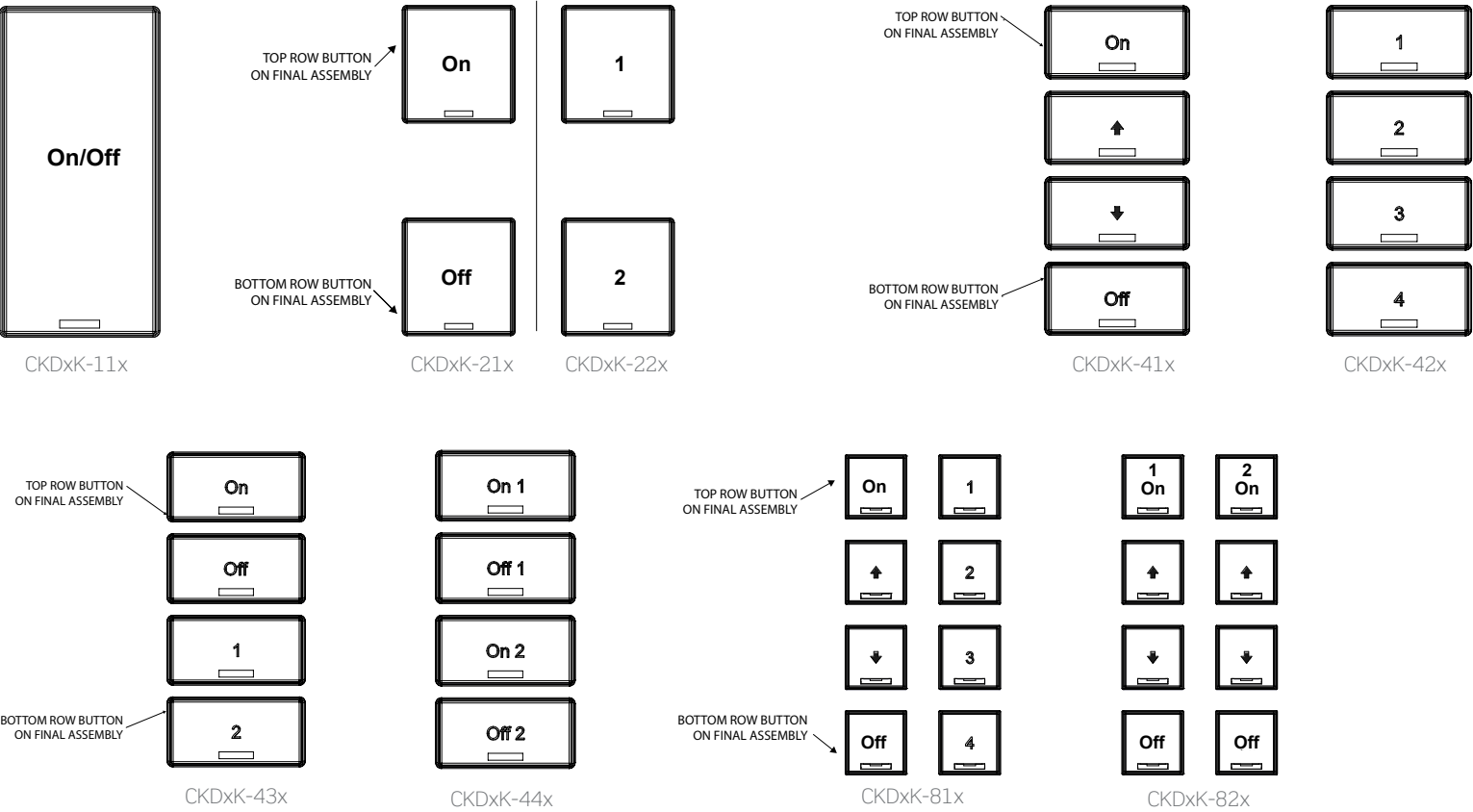


Dimensions Diagram



	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)

Pre-Engraved Keypad Options



Specifications

Electrical	
Input Power	+12-24VDC (LumaCAN integral)
Consumption	50-25mA
Connectors	RJ45
Control Output	Class 2
Cables	CAT6
Connectivity	
Network Connections	(2) RJ45, CAT6 or better for connection to LumaCAN network. Termination provided via local termination switch
Network Topology	Daisy chain, 1600' max between repeaters Home-run topology and network length up to 10,000' can be achieved when using LumaCAN network repeaters (NPRPT) Maximum 110 nodes between repeaters Maximum 250 nodes on a LumaCAN network
Environmental	
Ambient Temperature Range	32° to 131°F (0° to 55°C)
Ambient Humidity	0-90% non-condensing
IR Rating	IP30
Other	
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
Listings	UL, cUL (File # E148771), FCC Class B certification
Warranty	5-year

Ordering Information

GreenMAX DRC Digital Keypads	
Cat. No.	Description
DRKDN-C1W	GreenMAX DRC Digital Keypad, 1-Button, LumaCAN
DRKDN-C2W	GreenMAX DRC Digital Keypad, 2-Button, LumaCAN
DRKDN-C4W	GreenMAX DRC Digital Keypad, 4-Button, LumaCAN
DRKDN-C8W	GreenMAX DRC Digital Keypad, 8-Button, LumaCAN
BAA Compliant	
Cat. No.	Description
DRKDN-C1W-US	GreenMAX DRC Digital Keypad, 1-Button, LumaCAN
DRKDN-C2W-US	GreenMAX DRC Digital Keypad, 2-Button, LumaCAN
DRKDN-C4W-US	GreenMAX DRC Digital Keypad, 4-Button, LumaCAN
DRKDN-C8W-US	GreenMAX DRC Digital Keypad, 8-Button, LumaCAN

Antimicrobial & Color Change Kits Ordering Key

CKD

K

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N - Color Change Kit  
A - Antimicrobial

1 - 1 Button  
2 - 2 Button  
4 - 4 Button  
8 - 8 Button

W - White  
I - Ivory  
T - Light Almond  
G - Gray\*  
R - Red\*  
E - Black

\*Antimicrobial color change kits for gray and red are not available

See ordering table for Engraved Color Change Kits

Ordering Key - Wallplate Custom Engraving

WPDN0

—

1E

W - White  
I - Ivory  
T - Light Almond  
G - Gray  
R - Red  
E - Black

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](http://www.leviton.com/greenmaxdrc)  
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