GreenMax®

DRC™ Wi-Fi® Room Controller
Cat. No. DRKDN-Uxx
120-277 VAC, 50/60 Hz

LEVITON®

WARNINGS
• **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!

CAUTIONS
• To be installed and/or used in accordance with appropriate electrical codes and regulations.
• If you are unsure about any part of these instructions, consult an electrician.
• Use this device with **copper or copper clad wire only.**
• For indoor applications only.
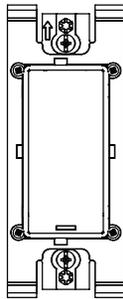• Save these instructions.

DI-000-DRKDN-00A

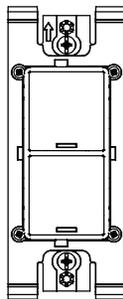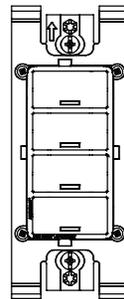## Description

The DRC Wi-Fi Room Controller is designed to be used to coordinate and control multiple Intellect™ fixtures and sensors within a room, as well as connected to the system Wi-Fi network for coordination with other GreenMax® DRC™ devices. It provides all energy management functionality both as required by code and as desired by the user. All aspects of the system can be configured to meet the specific needs of the end user and their application. An initial configuration can be created without any special tools using only the room controller and installed devices within the room. System refinements can be made using the Leviton GreenMax® DRC™ app from your smartphone or other Wi-Fi enabled Android™ or iOS™ device.
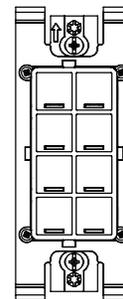

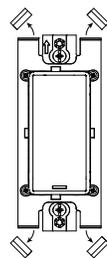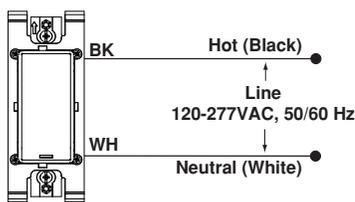| **DRKDN-U1W** (one button) | **DRKDN-U2W** (two buttons) | **DRKDN-U4W** (four buttons) | **DRKDN-U8W** (eight buttons) |

Pre-Requisites

NOTE: For connection to Wi-Fi network and smartphone
NOTE: For connection to Intellect & LuminaRF™ devices

1. Requires standard device backbox.
2. May be multi-ganged.
3. Decora faceplate purchased separately.
4. Each room requires at least one room controller, other keypads may be used as remote keypads.

Installation

1. **TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!
2. Remove 3/4 in. of insulation from each wire lead and connect per diagram. After all connections have been made, ensure that all wire connectors are firmly attached and there is no exposed copper.
3. Gently place wires and device into wall box and secure with mounting screws.
4. Install Decora® wallplate. **Installation is complete**.

* NOTE: This device accepts Decora® wallplates (both types - screwless and with screws). If screw plates are used, remove the four tabs at the corners of the mounting strap to avoid interference with the wallplate.
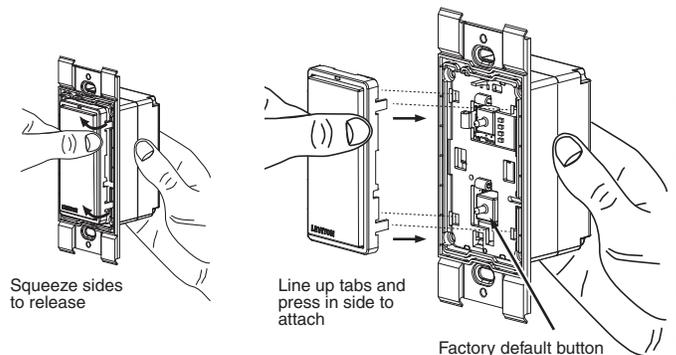
SPECIFICATIONS	
Input Voltage/ Frequency	120-277VAC, 30mA Max, 50/60Hz
Input Current Max	250mA
Input Current Standby Power	< 0.5W
IP Rating	IP30
Network Connections	Network 1: Wi-Fi – as client to another access point, or, as an access point for direct connection using the Leviton GreenMax® DRC™ app.

Network 2: 2.4"GHz Wireless Mesh for connection to compatible Intellect, LuminaRF, or Zigbee devices |
| Operating Temperature | 0-40°C |
| Storage Temperature | -20-85°C |

Color Change and Button Kits

NOTE: Buttons and wallplates can be custom engraved to your specifications. Contact Leviton for availability and order details. To install a color change kit:

1. Squeeze the sides of the button frame to release snap tabs and remove.
2. Install new buttons and wallplate.

BK — Hot (Black)
Line
120-277VAC, 50/60 Hz
WH — Neutral (White)

* Remove tabs if using screw type wallplate

Squeeze sides to release

Line up tabs and press in side to attach

Factory default button

WEB VERSION

Configuration and Programming

1. System Configuration is performed using the Leviton GreenMax® DRC™ app, downloadable from Google Play or the Apple store. The application can be used to:
   a) Initialize device and connect to network
   b) Assign network devices to this controller
   c) Create groups and scenes
   d) Configure daylighting zones and target lighting levels
   e) Define functionality of buttons

Communication to the room controller is over Wi-Fi. Initial configuration and provisioning must be made by a direct connection to the device.
The default SSID and credentials are as follows:
   • Default SSID: GreenMax DRC-xxxx
     xxxx is the last four numbers of the MAC address, MAC address is labeled on the side of the device.
   • Default Wi-Fi Password: leviton0000

NOTE: If Wi-Fi has been disabled, push and hold the reset button for 5 seconds to reenable Wi-Fi.

Subsequent to initial provisioning, the access point name will change to the device name as configured by the user, or, the device may be connected to a building access point at which point in time it will be accessible anytime your phone is connected to the building network.

2. Status/Reset Button. This button can be used to check status and reset. Each function can be activated be pressing the button then releasing after the appropriate time. The LEDs will flash indicating when each threshold has been crossed. See chart below for functionality:

Press and hold	Action	Status LEDs
< 1 second	Re-trigger SSID broadcast and report status	1 Flash – Controller is an Access Point and is pending connection by the app 2 flashes – Controller is an Access Point and has an active connection 3 flashes – Controller is a Wi-Fi Client and is connected to a network 10 flashes – Controller is a Wi-Fi Client and there is a connection error
5 seconds	Enable/Disable Wi-Fi	2 rapid flashes when triggered (all LEDs)
10 seconds	Reset Wi-Fi network configuration	3 rapid flashes when triggered (all LEDs)
20 seconds	Reset to factory default	Rapid continuous flashing (all LEDs)

FCC COMPLIANCE STATEMENT:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by Leviton could void the user's authority to operate this equipment.

FCC SUPPLIER'S DECLARATION OF CONFORMITY:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Manufactured by Leviton Manufacturing, Inc., 201 N Service Road, Melville, NY, http://www.leviton.com

INDUSTRY CANADA COMPLIANCE STATEMENT
This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

FOR CANADA ONLY
For warranty information and/or product returns, residents of Canada should contact Leviton in writing at **Leviton Manufacturing of Canada ULC** to the attention of the **Quality Assurance Department, 165 Hymus Blvd, Pointe-Claire (Quebec), Canada H9R 1E9** or by telephone at 1 800 405-5320.

WEB VERSION