

GreenMAX® DRC 0-10V 10A Smart Packs



DRD07-BD0/DRD07-BL0



Note: CAT6 cables and zip ties not included

Description

The GreenMAX® DRC 0-10V 10A Smart Pack enables switching and 0-10V dimming control of multiple fixtures in a zone and the 0-10V 24VDC model provides 0-10V dimming control of a single fixture, allowing for a distributed control solution. The Smart Pack uses distributed relays, which eliminates the need to run wires back to a cabinet. This distributed system architecture saves on installation and equipment costs. DRC relays can be used as a normal relay, emergency relay, or a remote relay with the GreenMAX DRC system (DRD07-BD0).

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 My Building 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.

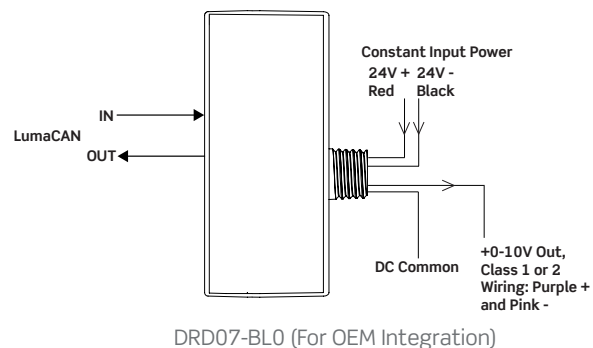
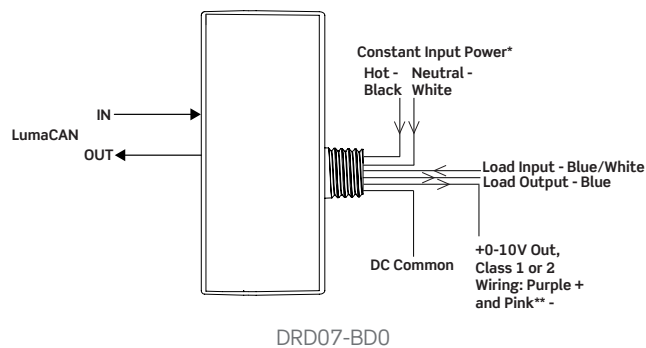
My Building App

Wirelessly commission, configure, control, monitor and provision the DRD07 10A Smart Packs and GreenMAX DRC system using the My Building app designed for any WiFi-enabled Android or iOS smart device.

Use With Leviton System

- GreenMAX DRC

Wiring Diagrams



Applications

- Distributed controls
- Single channel LumaCAN 0-10V relay (DRD07-BD0)
- GreenMAX DRC remote relay (DRD07-BD0)

Features

- DRD07-BD0
 - Single channel device—(1) 0-10V output plus (1) relay
 - UL924 Emergency
 - 0-10V control can be Class 1 or Class 2 wiring
- DRD07-BD0 and DRD07-BL0
 - Used for both switching and 0-10V dimming loads
 - Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)
 - Utilizes Leviton High Inrush Stability (H.I.S.) circuitry for increased reliability
 - Connects via the LumaCAN network using RJ45 connectors and CAT6 wiring
 - **Note:** The use of RJ45 pass-through type connectors is prohibited. The use of shielded RJ45 connectors is unnecessary.
 - UL2043 Plenum rated, for use in Chicago Plenum applications—see technical article

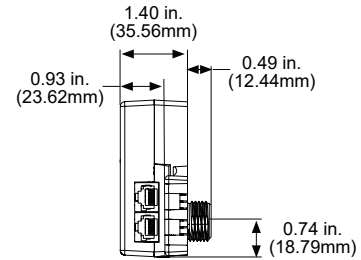
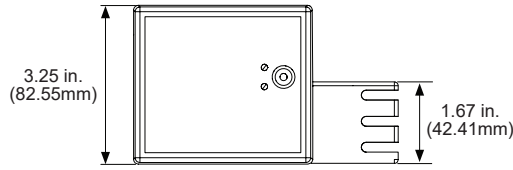
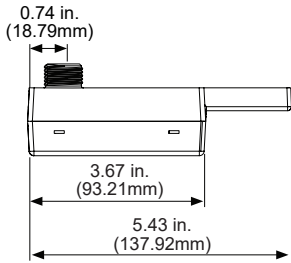
Install Notes

- Install using a standard metal 4" square junction box with minimum volume of 30.3 cu. in. or greater utilizing a 1/2" knockout on the box
- When Class 2 in conduit is required, use 4" square extension ring and blank cover on low voltage side

*Can be used to monitor normal power on emergency circuits, see solution sheet for details.

**Depending on manufacture date, pink wire may be gray.

Dimensions Diagrams



Specifications

Electrical	120-277VAC (DRD07-BD0)	12-24VDC (DRD07-BL0)
Input Voltage	120-277VAC, 50/60 Hz, 10A Max, 75 mA Sink Current	12-24VDC 40mA Max, 10 mA Sink Current (requires a single Dim-to-Off Driver per Smart Pack)
Supported Loads	10A Resistive; 10A Standard Ballast; 10A Electronic Ballast, LED Drivers; 5A General Use; Motor: 1/3 HP, 9.8 FLA @ 120VAC	-
Connectivity		
LumaCAN Network	<ul style="list-style-type: none"> LumaCAN via (2) RJ45 CAT6 or better connections Termination provided via termination plug (LCTRM-RJ), one provided with each unit The use of RJ45 pass-through type connectors is prohibited. The use of shielded RJ45 connectors is unnecessary. 	
LumaCAN Network Topology	<ul style="list-style-type: none"> Daisy chain, 1600' max between repeaters Home-run topology and network length up to 10,000 ft can be achieved when using LumaCAN network repeaters (NPRPT) Maximum 110 nodes between repeaters Maximum 250 nodes on a LumaCAN network 	
Environmental		
IP Rating	IP40	
Operating Temperature	32° to 131° F (0° to 55° C)	
Ambient Humidity	0-90% non-condensing	
Other		
Listings	UL, cUL (File # E148771), UL2043 plenum rated, UL924 emergency (DRD07-BD0), 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	

Ordering Information

GreenMAX DRC 0-10V 10A Smart Packs	
Cat. No.	Description
DRD07-BD0	GreenMAX DRC Smart Pack, 0-10V, Emergency, 120/277VAC, 60Hz, 10A Max, 75mA Sink Current
DRD07-BL0	GreenMAX DRC Smart Pack, OEM Version, 0-10V only, 12-24VDC, 40mA Max, 10mA Sink Current