GreenMAX® DRC Phase Control 2 Channel Dimmer

Description
The GreenMAX® DRC Phase Control 2 Channel Dimmer is used for incorporating 2-wire phase control loads into GreenMAX DRC systems.

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, and is listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL).

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

Applications
- 1-2 channel LumaCAN phase control dimmer
- Control wall sconces, chandeliers, pendant lighting, track lighting, and more for precise dimming of architectural light fixtures

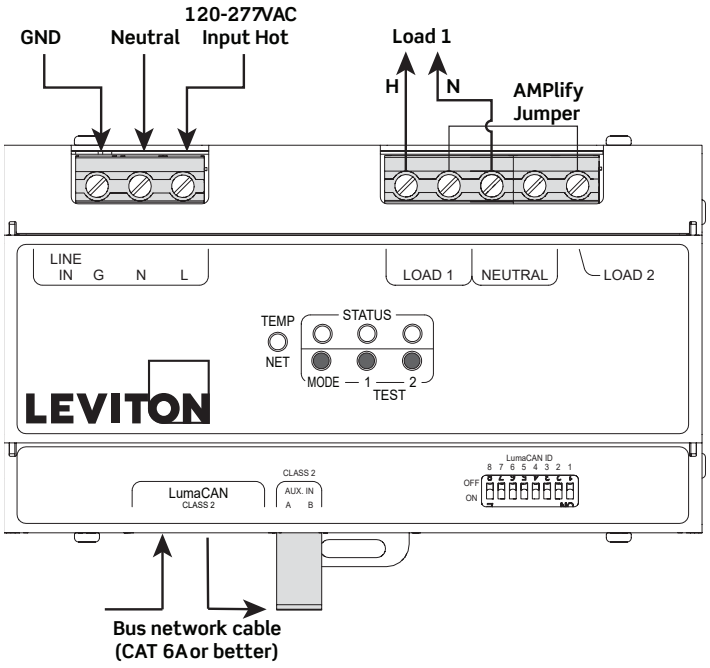
Use with These Levtion Systems
- GreenMAX DRC
- Sapphire™ Touchscreen

Features
- Utilizes Leviton High Inrush Stability (H.I.S.) circuitry for increased reliability
- Connects via the LumaCAN® network via RJ45 connectors and CAT6 wiring
- **Note:** Pass through connectors are not permitted in LumaCAN system configurations
- SSL7 compliant dimming curve
- Listed on the DesignLights Consortium® (DLC) Qualified Product List (QPL)
- Forward or reverse phase control, multi-channel dimmer
- 2 wires, hot and neutral, per dimmer
- 120/230/277V operation; 50/60 Hz
- Each channel phase selectable—supports LED loads at full capacity
- LumaCAN network communication
- Single channel low voltage contact closure input (NOT analog input)
- Amplify feature—combine channels to increase output for occupancy sensor, momentary switch, or emergency
- Test button for each channel
- Level indicator of each channel
- Zero cross detection for longer dimmer life
- DIN rail installable for flexible enclosure selection (enclosure purchased separately)

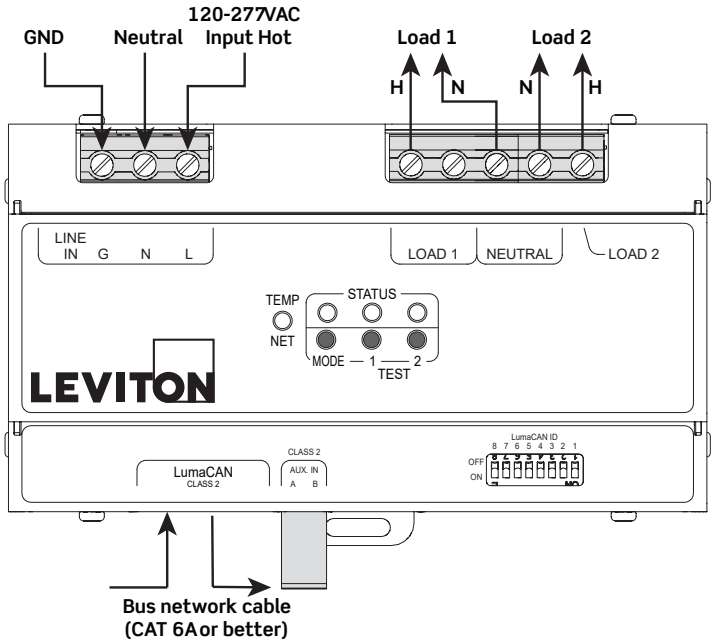
Leviton Manufacturing Co., Inc. Lighting & Controls
10385 SW Avery Street, Tualatin, OR 97062 **tel** 800-736-6682 **tech line** (6:00AM-4:00PM PT Mon-Fri) 800-959-6004

Wiring Diagrams

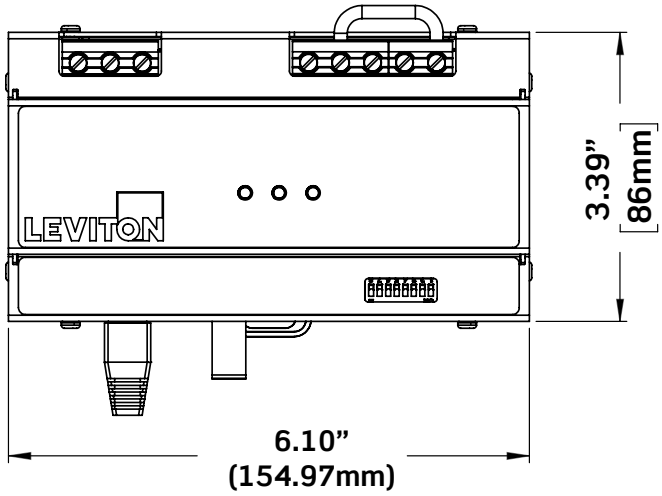
1-Channel (7A)

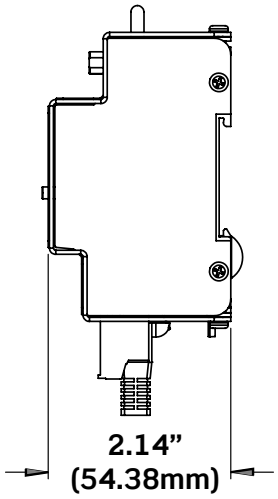


2-Channel (3.5A)



Dimensions Diagram





Amplify Feature

Two or more channels can be wired in parallel to amplify your load carrying capacity. The chart below indicates the configurations and operating modes which are supported.

Mode	No. Of Channels	Channel 1 Capacity	Channel 2 Capacity
1*	1	7A	Jumper to 1
2(5)	2	3.5A	3.5A

*Default mode from the factory is single (1) channel mode with jumpers installed between both channels. In this mode, the dimmer operates like a single channel dimmer with max capacity of 7A. For other configuration, jumpers must be removed as per the chart above.

Specifications

Electrical	
Input Voltage	120-277VAC, 50/60 Hz
Max Input Current	7A
Power Consumption	200mA, provided through line voltage input; No draw from LumaCAN bus
Load Ratings	
LED,CFL, Electronic Ballast, Incandescent, Tungsten @ 120V	3.5A (420W)/Channel (See channel ganging chart for additional details)
LED,CFL, Electronic Ballast, Incandescent, Tungsten @ 277V	3.5A (970W)/Channel (See channel ganging chart for additional details)
Incompatible Load Types	Inductive, magnetic ballast, magnetic transformer, fans, motor
Wire Size	Up to 12GA
Environmental	
IP Rating/Enclosure	IP20, Type 1
Operating Temperature	32° to 140° F (0° to 60° C)
Storage Temperature	-40° to 158° F (-40° to 70° C)
Connectivity	
Network Connections	(2) RJ45, CAT6 or better for connection to LumaCAN network. Termination provided via local termination plug
LumaCAN Network Power Consumption	0mA
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
Other	
Listings	UL, cUL (File # E148771), 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
DIN Rail Space	(1) DRDDP-A20 = 15 DIN rail units
Warranty	5-year

Ordering Information

GreenMAX DRC LumaCAN DIN Rail Dimmer 2-Channel	
Cat. No.	**Description**
DRDDP-A20	GreenMAX DRC LumaCAN DIN Rail Dimmer 2 Channel, 3.5A per channel, 120-277VAC, 50-60H*
DINRK-001	DIN Rail Rack Mount Enclosure, Small, 14x10" with (1) 12.9" rail
DINRK-A03	DIN Rail Rack Mount Enclosure, Medium, 21x25" with (3) 13.7" rails
DINRK-A06	DIN Rail Rack Mount Enclosure, Large, 25x48" with (5) 19.5" rails

*Requires DIN rail enclosure, purchased separately

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

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