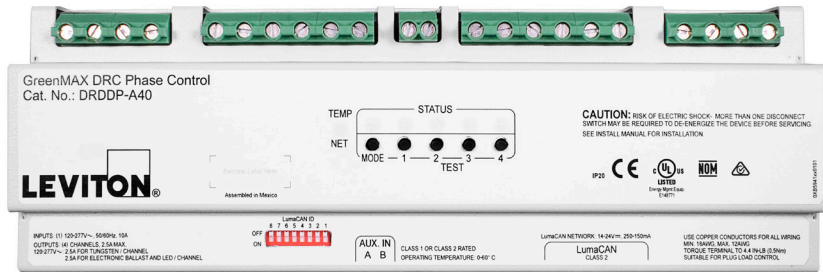


GreenMAX® DRC Phase Control Dimmer



Description

The GreenMAX® DRC Phase Control 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 2019 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.

Applications

- 1-4 channel LumaCAN phase control dimmer
- Control wall sconces, chandeliers, pendant lighting, track lighting, and more for precise dimming of architectural light fixtures

Features

- Utilizes Leviton High Inrush Stability (H.I.S.) circuitry for increased reliability
- Connects via the LumaCAN® network via RJ45 connectors and CAT6 wiring
- SSL7 compliant dimming curve
- 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 or 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)

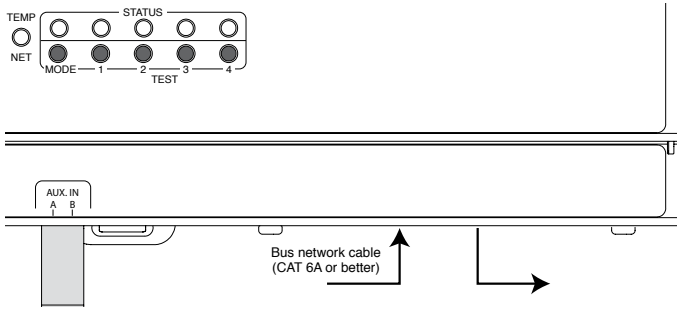
Use with These Leviton Systems

- GreenMAX DRC
- Sapphire™ Touchscreen

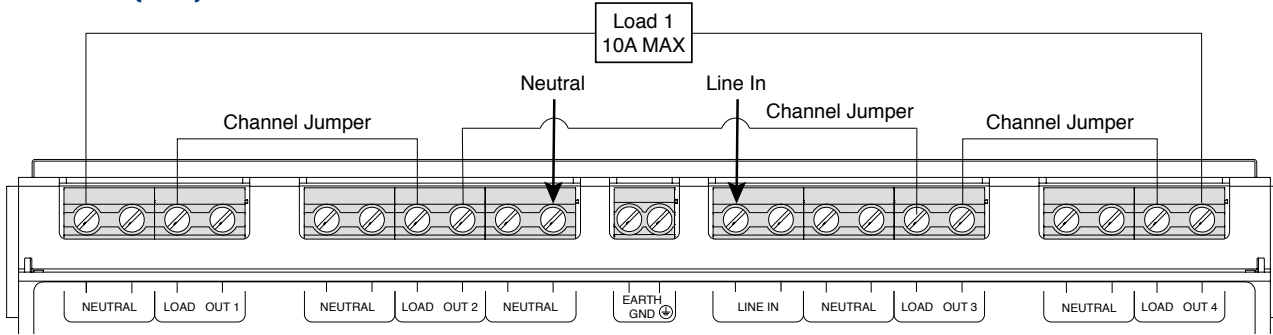
Product Data

DRDDP-A40

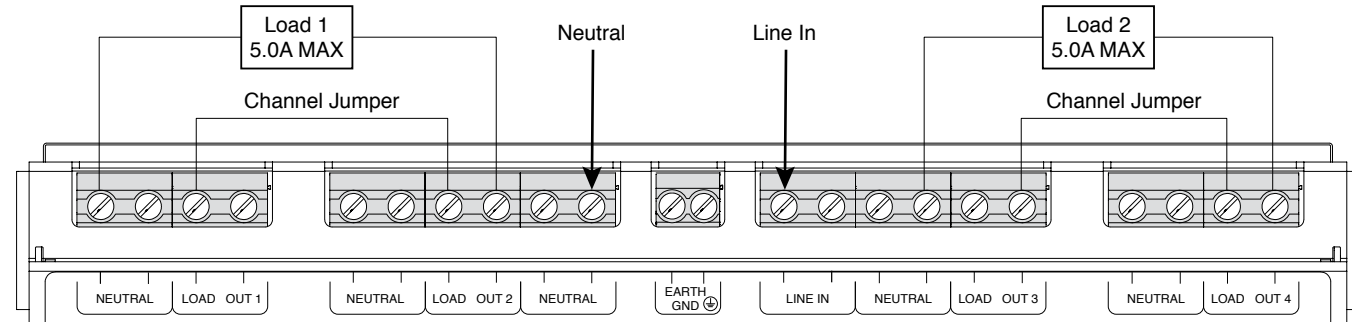
Wiring Diagrams



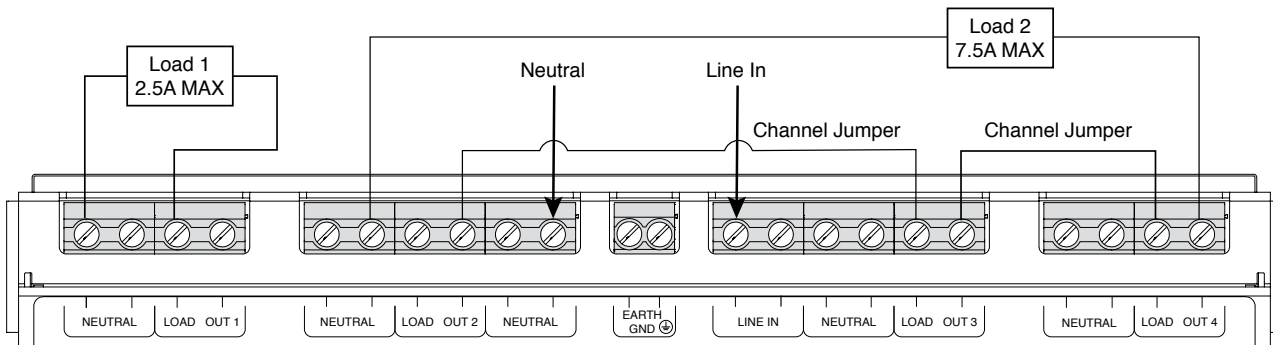
1-Channel (10A)



2-Channel (5A)

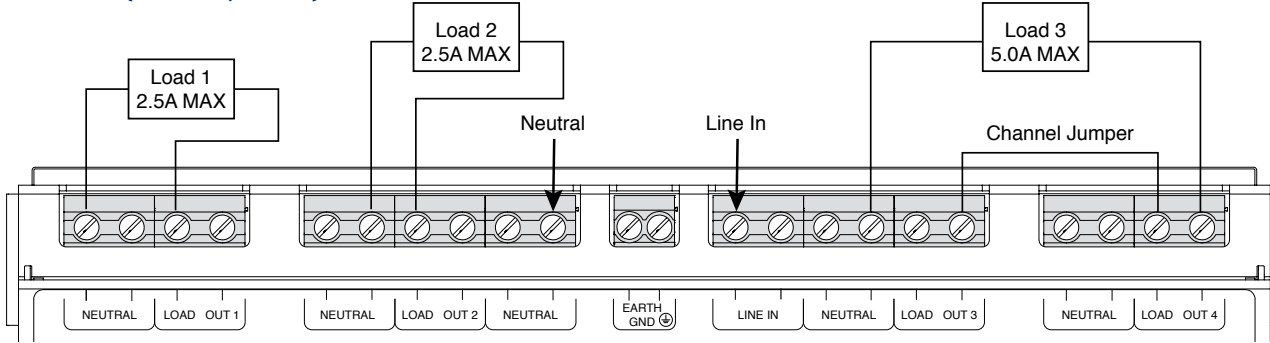


2-Channel (1X2.5A, 1X7.5A)

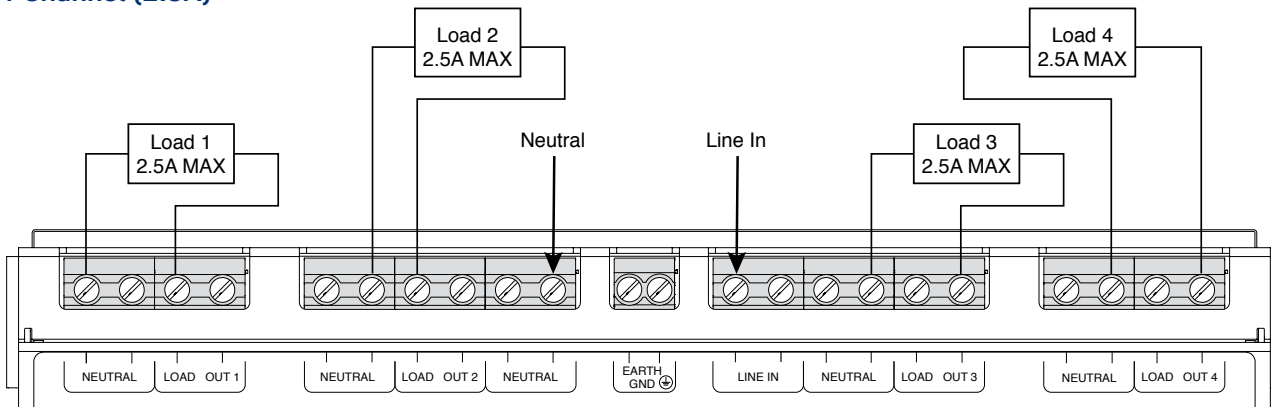


Wiring Diagrams

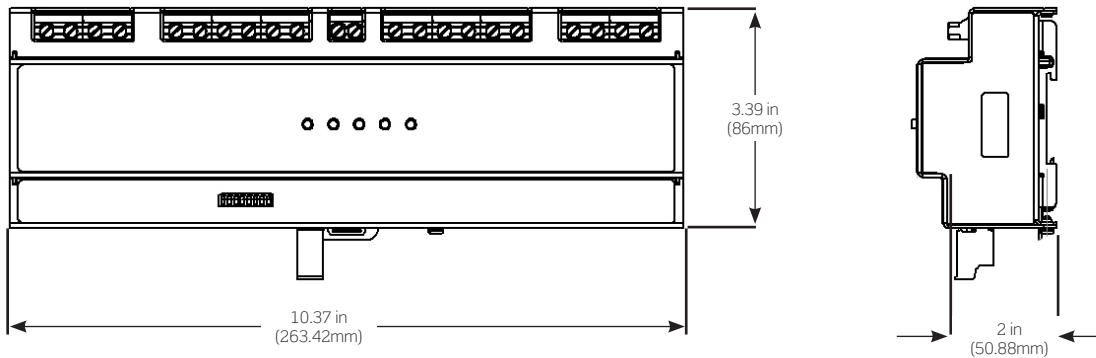
3-Channel (2X2.5A, 1X5A)



4-Channel (2.5A)



Dimensions



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 | Channel 3 Capacity | Channel 4 Capacity |
|--------|-----------------|--------------------|--------------------|--------------------|--------------------|
| 1* | 1 | 10A | Jumper to 1 | Jumper to 2 | Jumper to 3 |
| 2(5) | 2 | 5A | Jumper to 1 | 5A | Jumper to 3 |
| 2(7.5) | 2 | 2.5A | 7.5A | Jumper to 2 | Jumper to 3 |
| 3 | 3 | 2.5A | 2.5A | 5A | Jumper to 3 |
| 4 | 4 | 2.5A | 2.5A | 2.5A | 2.5A |

*Default Mode from the factory is single (1) channel mode with jumpers installed between all four channels. In this mode, the dimmer operates like a single channel dimmer with max capacity of 10A. For other configuration, jumpers must be removed as per the chart above.

Specifications

| Electrical | |
|-----------------------------------|---|
| Input Voltage | 120-277VAC, 50/60 Hz |
| Max Input Current | 5A (2 channel), 10A (4 channel) |
| Load Ratings | Dimmable LED, CFL, electronic ballast, incandescent, ELV. @277V (2.5A, 693W); see AMPLify chart for details |
| Incompatible Load Types | Inductive, magnetic ballast, magnetic transformer, fans, motor |
| Environmental | |
| IP Rating/Enclosure | IP20, Type 1 |
| Operating Temperature Range | 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 switch |
| LumaCAN Network Power Consumption | 100mA |
| 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 | |
| Energy Codes | Can be used to comply with IECC, ASHRAE 90.1, and 2019 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) DRD0P = 15 DIN rail units |
| Warranty | 5-year |

Ordering Information

| GreenMAX® DRC Phase Control Dimmer | |
|------------------------------------|--|
| Cat. No. | Description |
| DRDDP-A40 | GreenMAX DRC Phase Control Dimmer, 4 channel* |
| DINRK-A01 | 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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