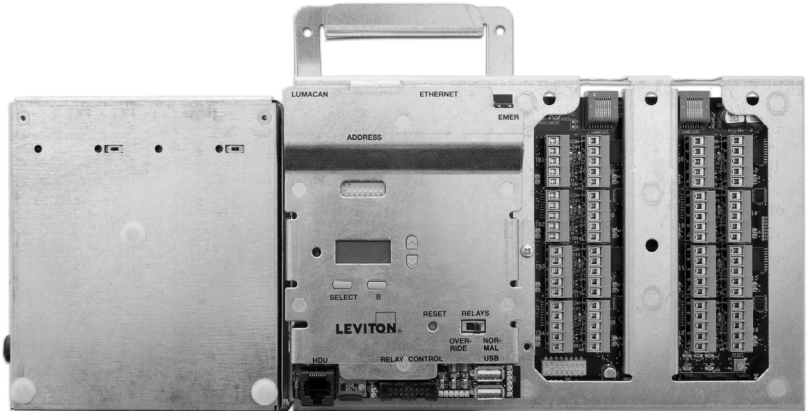
LEVITON®

GreenMAX® Relay Command Module

Modular Relay System Offers Unparalleled Flexibility



DESCRIPTION

The Leviton GreenMAX® Relay Command Module (processor) has native communication network protocols – BACnet/IP, Ethernet and LumaCAN3 built in to offer unparalleled connectivity. By utilizing these protocols, no additional parts or adapters are needed to communicate with other products.

The relay command modules include the systems processor, power supply and low voltage input cards. For increased flexibility, the modular GreenMAX system includes separate cabinet enclosures, command modules, relay insert panels, relay modules and a Handheld Display Unit (HDU).

For easier manageability and accessibility, Leviton ships empty cabinet enclosures separately from the electronic components. This makes the cabinets lighter and easier to handle, requiring less effort to install. To further minimize handling and damage, Leviton can ship the electronic components later in the project schedule or as required.

FEATURES

- The relay command module is the processor and power supply of the GreenMAX system and optionally includes a low voltage remote input card for analog devices
- Native communication network protocols—BACnet/IP, Ethernet and LumaCAN3 are built into each relay command module to offer unparalleled connectivity; no additional devices are needed to communicate with other products utilizing these protocols
- Can control any combination of local (mounted in the cabinet) and remote relays up to a maximum total of 48 relays
- Relay command module functions include:
  - Daylight harvesting
  - Demand response
  - Dimming
  - Partial ON
  - Partial OFF
  - Stairwell control
  - Timed switches
  - Blink warn

APPLICATIONS

- Heavy retrofit applications
- New construction projects
- Government facilities
- Office buildings
- Hospitals/medical offices
- Universities
- Restaurants
- Large campuses
- Parking garages
- Any location requiring daylight harvesting and demand response

Leviton Manufacturing Co., Inc. Energy Management, Controls and Automation
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PRODUCT DATA

SPECIFICATIONS

Electrical

- Power Supply Input: 70W (max), 100-277VAC single phase 50/60 Hz input, 24VDC output
- Non-volatile memory and micro SD card protect programming during blackouts

Wiring

- Internal: factory pre-wired and tested
- System communications:
  - LumaCAN3 requires standard CAT6 network cabling
  - Low voltage Class 2 wiring connects input cards to control devices such as occupancy sensors, low voltage switches and photocells
  - Hard-wired dedicated emergency input is provided in each cabinet and requires an external normally open (N/O) contact closure; the cabinet provides the source of low voltage for this circuit; individual relay response to the emergency signal can be programmed to open, close or ignore
- Line Voltage:
  - Feed for relay command module (control electronics) and load wiring only
  - Requires single phase hot, neutral and ground connection
- LumaCAN Network:
  - CAT6 cable
  - RJ45 connectors
  - Wiring configuration (EIA/TIA 568B)
- Power must be injected into LumaCAN3 cable approximately every 900 feet
- For additional network power, use a remote low voltage cabinet or additional relay cabinets. Each of these components contain a full power supply.

Network Connections

- Maximum LumaCAN3 communication network segment length is 1,600 feet from end of line termination to end of line termination; longer network lengths can be achieved with the use of a LumaCAN3 repeater
- Ethernet connectivity is native to each command module
  - Ethernet can be used to connect BACnet/IP system
  - Ethernet can be used to bridge between runs of LumaCAN3 to extend network length
- BACnet/IP is native to each relay command module in the complete system
  - BACnet/IP must be run to each cabinet and connect to the Ethernet port

Physical

- Installs into a GreenMax Enclosure and can only be used with a GreenMAX lighting control system

Environmental

- Ambient Temperature Range: 32-122°F (0-50°C)
- Relative Humidity: <90% non-condensing

Listings

- UL508, UL924, cUL, can be used to comply with 2016 Title 24, Part 6 occupancy/vacancy sensing, 0-10V dimming, daylight harvesting, partial-ON, partial-OFF, scheduling, demand response, and receptacle control requirements
- Listing and ratings only apply when installed in a GreenMAX enclosure

Warranty

- Relay modules backed by a 5-year warranty

ORDERING INFORMATION

CAT. NO.	DESCRIPTION
Relay Command Module (includes power supply with main processor unit), option 24VDC Low Voltage Input Card	
RPM00-300	Main Relay Command Module, 100-277VAC, 50/60 Hz, no inputs, LumaCAN3
RPM08-308	Main Relay Command Module with 8-Port Low Voltage Input Card, 100-277VAC, 50/60 Hz, LumaCAN3
RPM16-316	Main Relay Command Module with 16-Port Low Voltage Input Card, 100-277VAC, 50/60 Hz, LumaCAN3

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

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