RELAY PANEL ENCLOSURE, RELAY PANEL MODULE, AND RELAY

EN-RPM-24C-GB2

RPM includes : 1 Relay Panel Enclosure, 1 Relay Panel Module with power supply, and 1 to 24 Relays (specified when ordering)

2-wire relays (NAED 45349: RLY-700)

Maximum Load: 20A per relay

GreenBus Wired Communication

DESCRIPTION

The RPM is an addressable lighting control panel that allows each relay to be individually controlled and configured to best meet the needs of the facility. Lighting Control strategies such as time scheduling, occupancy control, and daylight harvesting can be deployed using Polaris configuration software. Each Relay in the RPM is addressed individually. Multiple RPMs can be daisy-chained as part of the overall system architecture through the GreenBus™ communication network.

In anddition to its use in the RPM, the Relay Panel Module is an electronic retrofit module that enables existing relay panels/ boxes to be integrated with Wattstopper PLUS lighting control. The Relay Panel Module can be installed in most standard relay panels utilizing existing electrical wiring and relays. It is mounted in the center of the existing panel (replaces old circuiting) and is wired to the existing relays in the panel. This allows each Relay to be addressed individually.

Each Relay connected to a relay panel module is individually addressable and provides all of the benefits and control strategies in the Lighting Control System.

FEATURES

- Maximum of 24 Relays per Relay Panel Enclosure. Multiple Relay Panel Enclosures can be connected together to accommodate requirements above 24 relays
- Easy wiring and connection with GreenBus
- Meets UL916 (Energy Management Equipment) and Emergency rated Relay Panel Enclosure meets UL924 (Emergency Lighting Equipment)
- Each Relay Panel Enclosure is individually addressable and is managed by Polaris™ software

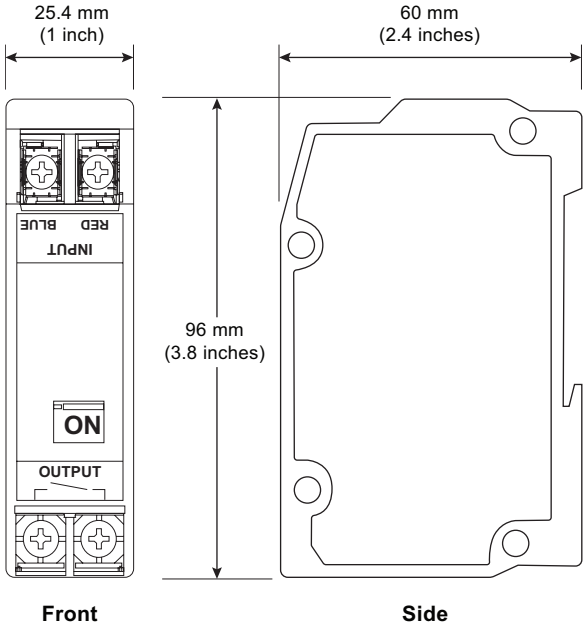
FEATURES

- Voltage: 120–347V
- Relay Panel Module Power Supply: 24 VAC, 50/60 Hz, 1.6A (40 VAC)
- Maximum Load: 20A per Relay
- Weight:
  - 0.18 kg (6.3 oz) — Relay
  - 0.39 kg (13.7 oz) — Relay Panel Module
  - 23.6 kg (832.5 oz) — Relay Panel Enclosure
- Operating Temperature: 32° to 140°F (0° to 60°C)
- Certifications
  - UL916. (Energy Management Equipment) These models are all Complementary Listed to "Emergency Lighting Equipment",
  - (UL924)
  - FCC Part 15, Class A/ICES-003, Class A
- Complies with Electromagnetic Compatibility (EMC) Standards: EN 61000-4-2, EN 61000-4-4, EN 61000-4-5
- 5 year warranty

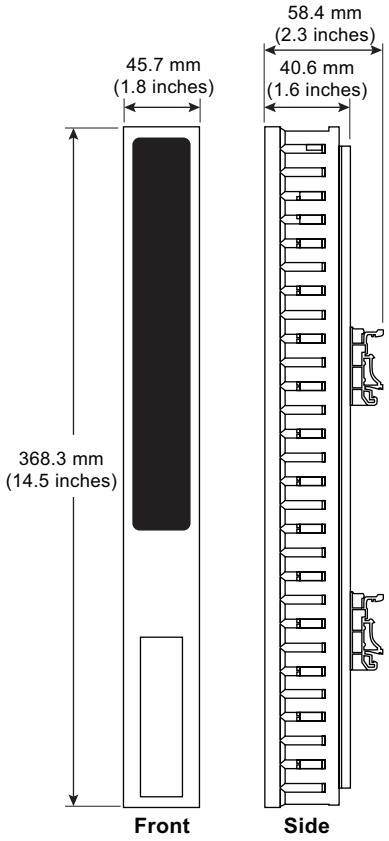
PROJECT		LOCATION/ TYPE	

DIMENSIONS

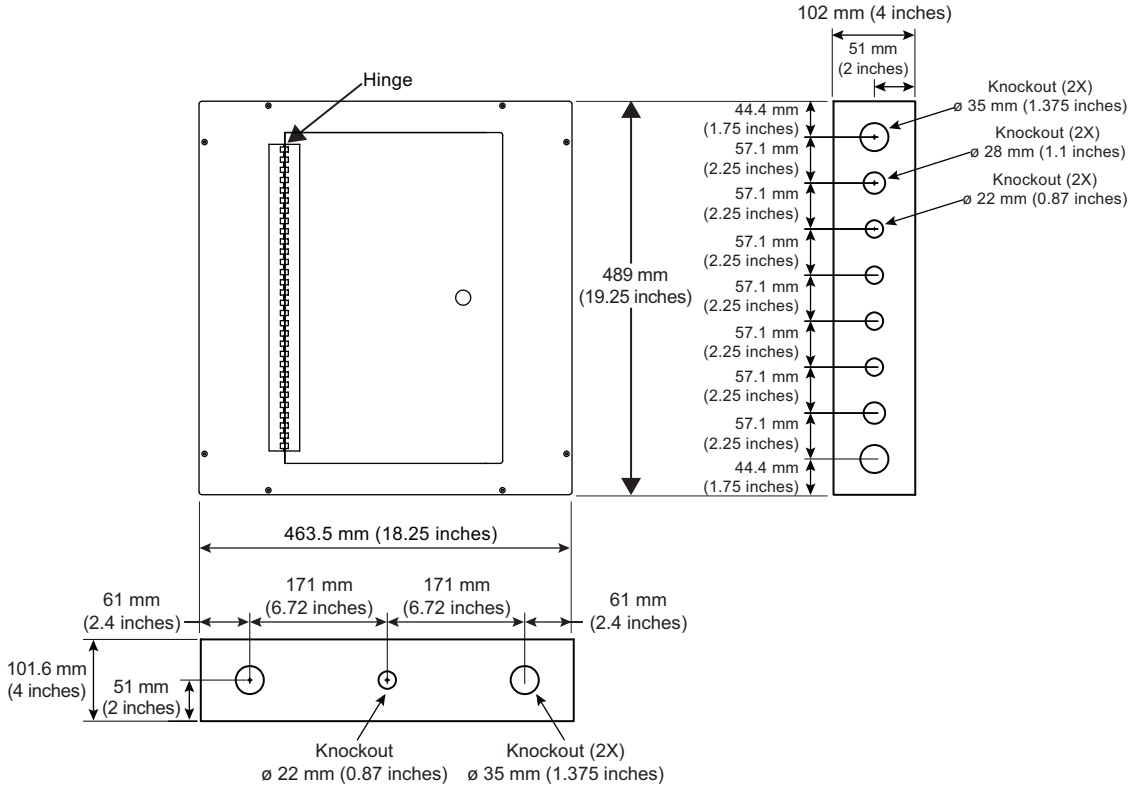
Relay



Relay Panel Module

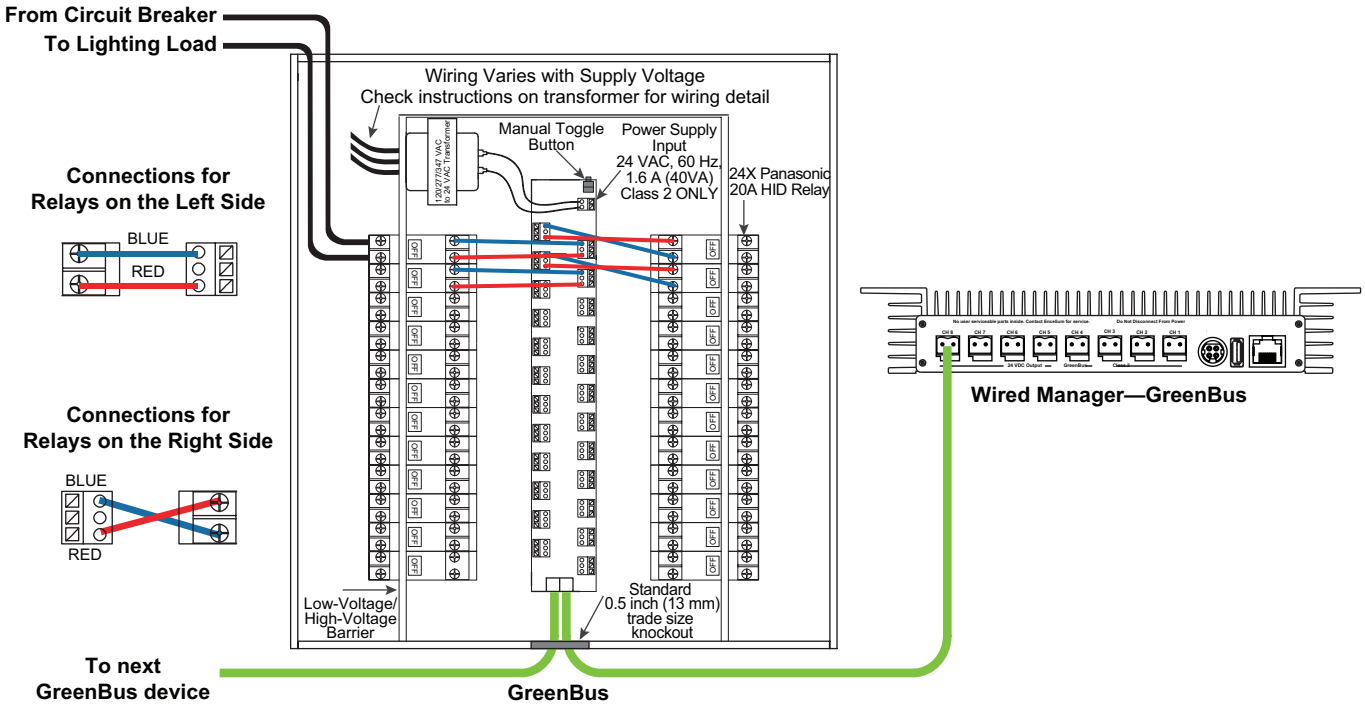


Enclosure



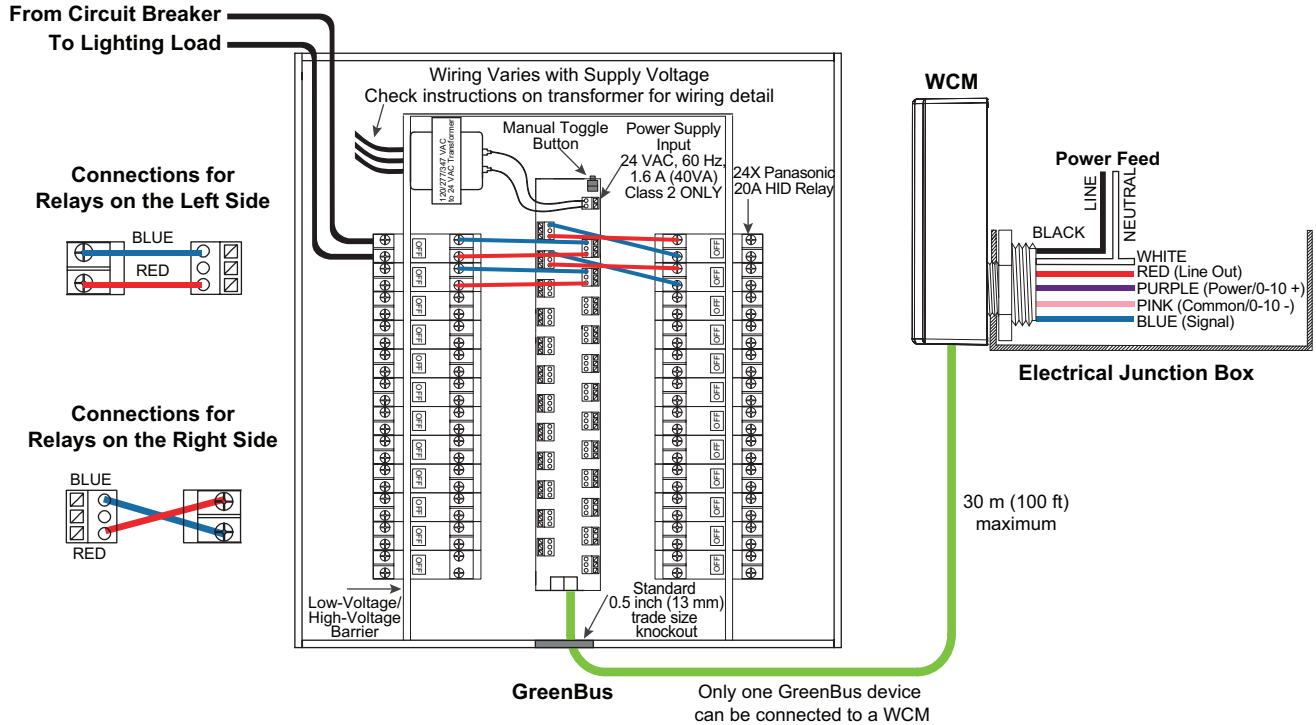
WIRING

Green Bus Wiring



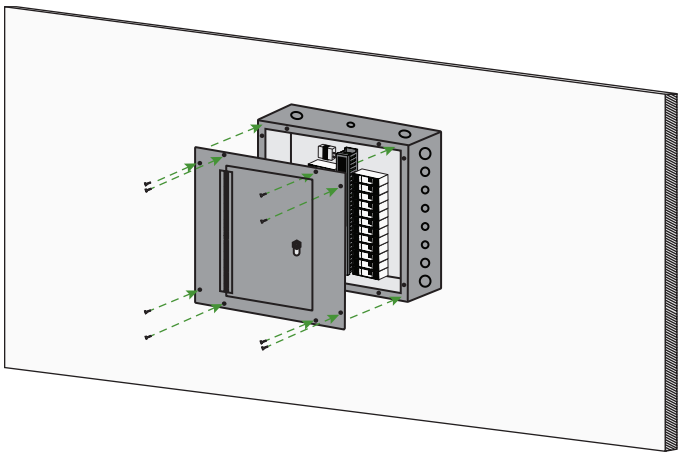
Wiring to a Wireless System

The RPM can be used as part of a wireless Wattstopper PLUS System by connecting the Greenbus to a nearby compatible wireless device.



MOUNTING

The Relay Panel Enclosure mounts directly to the wall using screws to secure it into place. The Relay Panel Module mounts directly into the Relay Panel Enclosure using a DIN Rail.



ORDERING INFORMATION

Catalog #		Description	Communication Network
☐	RLY-700	Relay	N/A
☐	EN-RPM-24C-GB2	Relay Panel Module	Wired GreenBus

Assembled Enclosures*

Catalog #		Description	Number of Relays
☐	EN-RPA0R120-347V	Relay Panel Enclosure	0
☐	EN-RPA8R120-347V	Relay Panel Enclosure	8
☐	EN-RPA12R120-347V	Relay Panel Enclosure	12
☐	EN-RPA18R120-347V	Relay Panel Enclosure	18
☐	EN-RPA24R120-347V	Relay Panel Enclosure	24

* All relay panel assemblies come assembled with a relay panel enclosure, relay panel module, a transformer, and relays (except for the EN-RPA0R120-347V which does not include relays).

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