

# Power Relay Module

Model: PRM3

## Features

- 3 relay contacts each rated for 240V / 15A (individual and synchronous control)
- Relay state persists across power outages
- SCPI (USB) and Modbus (RS-485) controllable
- eGauge meter controllable: web dashboard and API
- Configurable minimum open/close duration
- Powered by USB or 5V 2-pin terminal
- Includes 1.5 m USB Type A to Type B cable

## Connections

- 4-pin plug for RS-485 Modbus communication and/or power
- USB Type A for SCPI communication and/or power
- 3x AWG 12-24 relay contact terminals

## Enclosure

- DIN-rail Mountable
- 90 × 72 × 60 (mm) / 3.54 × 2.83 × 2.36 (in.)

## Warranty

- 2-year Limited Warranty

## Operating Specs

- Contacts up to 240 V AC/15 A resistive (50-60 Hz)
- Power requirements: 5V / 500mA (or USB)
- -30 to 70 °C, up to 4000 m altitude
- Max humidity 80% up to 31 °C

## Certifications

- UL: IEC/UL 61010-1 Ed. 3.0 B:2010, File E524350
- FCC: Title 47 CFR Part 15-Subpart B Class B, ICES-003 Information Technology Equipment Class B

## Requires

- eGauge Core/Pro (EG4xxx) meter, if using eGauge meter web dashboard or JSON WebAPI for control



The eGauge Power Relay Module is a versatile device intended to control up to three 240V AC/15 A resistive loads or motors up to 15 FLA (80 LRA).

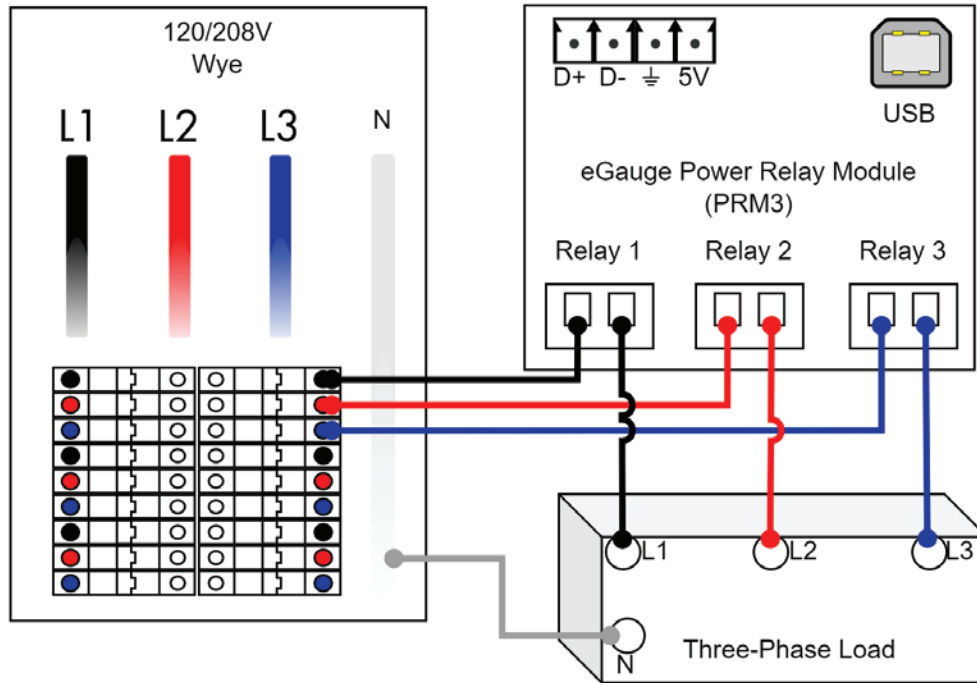
The relays can be opened and closed individually or synchronously, enabling the switching of up to three single-phase loads, one split-phase and one single-phase load, or one three-phase load. The relay can be controlled via USB and via Modbus/RTU (RS-485).

Multiple relay modules can be used if additional loads need to be controlled.

For more information visit  
[egauge.net/support/m/prm3](http://egauge.net/support/m/prm3)



## 3-phase relay wiring



## Reverse side of PRM3 Communication and power



## Typical RS-485 cable wiring

