

Project		Catalog #		Type	
Prepared by		Notes		Date	



## Greengate

### PD216 - Power Dimmer

Allows dimming control of 2 or 3-wire loads via 0-10V control signals. Each module includes a backbox, heatsink and temperature sensor to monitor operating temperature.

#### Typical Applications

Office • Education • Healthcare • Hospitality • Retail • Industrial

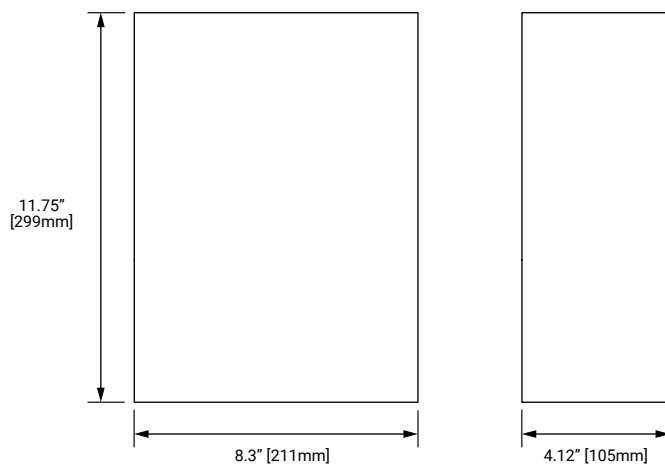
#### Interactive Menu

- Order Information [page 2](#)
- Wiring Diagrams [page 3](#)
- Product Warranty

#### Top Product Features

- PD216 Power Dimmers are system accessories for Greengate ControlKeeper lighting control systems
- 2 or 3-wire dimmer with 0-10V control input
- Economical, space-saving design for control of one or two, 2 or 3-wire loads
- Convection cooled, requires no fans
- Automatic 50/60 Hz frequency detection
- Overtemp protected
- 0-10V to forward phase dimming

#### Dimensional and Mounting Details



## Order Information

This is an accessory for Greengate ControlKeeper 4A Lighting Control Systems. It is not an integral part of the system. There is no factory assembly needed.

### Catalog Number

Catalog Number	Description
PD216-AN10-120	2 Circuit 20A 120V Power Dimmer
PD216-AN10-3WB-120	2 Circuit 20A 120V 3-wire control Power Dimmer
PD216-AN10-277	2 Circuit 20A 277V Power dimmer
PD216-AN10-3WB-277	2 Circuit 20A 277V 3-wire control Power Dimmer
<b>Notes</b> The PD216 is not an accessory of the Room Controller product line	

## Product Specifications

### Mechanical

**Size:** 11.75"H X 8.3"W X 4.12"D (299mm x 211mm x 105mm)

**Weight:** 5.0 lbs (2.27 kg)

### Operating Environment:

- For indoor use only

### Electrical

**Input:** 120V or 277V, 50/60 Hz

**Output:** 2 x 1920W @ 120 VAC, 2 x 4500W @ 277 VAC

**Load:** Max Connected Load 16A

### Warranty

Consult website for warranty information

## Overview

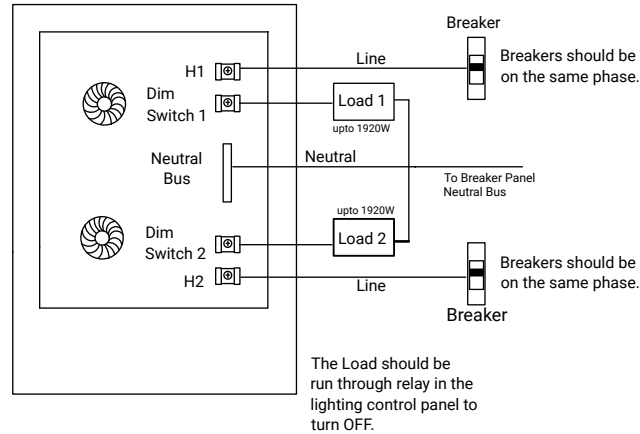
The PD216 Power Dimmers dim 2 or 3-wire loads in response to a 0-10V control signal. This enables Greengate 0-10V dimming panels to control 2 or 3-wire load types directly without the need for architectural dimming panels. The PD216 control input wires directly to the panel 0-10V dimming outputs that would typically drive dimming ballasts.

## Installation

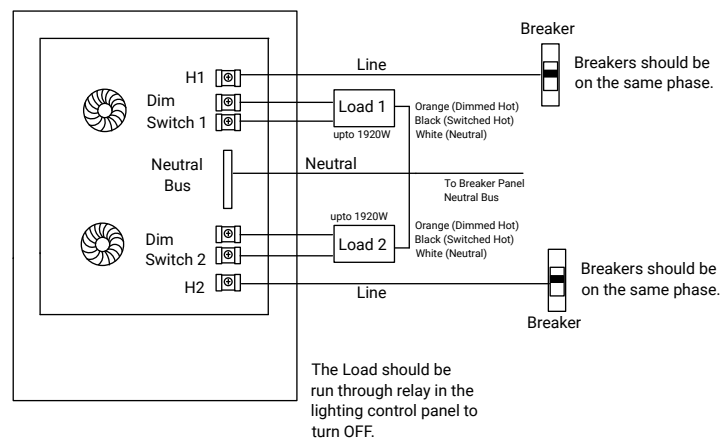
PD216 to function. The Load out should be run through a relay in the ControlKeeper 4A or other ControlKeeper lighting control panel to allow the load to be turned OFF.

## Wiring Diagrams

### PD216-AN10-120 PD216-AN10-277 2 Circuit 20A Power Dimmer



### PD216-AN10-3W-120 PD216-AN10-3W-277 2 Circuit 20A 3wire control Power Dimmer



Wiring Diagrams

