

PD216 – Power Dimmer

Catalog#	Prepared by
Project	Date
Comments	Type

Overview

The PD216 Power Dimmers are system accessories for Greengate lighting control systems. It 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.

Features

- 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



Specifications

Size & Weight	11.75"H X 8.3"W X 4.12"D
	Approximately 5 pounds
	120V or 277V, 50/60 Hz
Electrical Data	120V or 277V, 50/60 Hz
Output	2 X 1920W @ 120 VAC, 2 x 4500W @ 277 VAC
	Max Connected Load 16A
Operating Environment	For indoor use only

Description/Operation

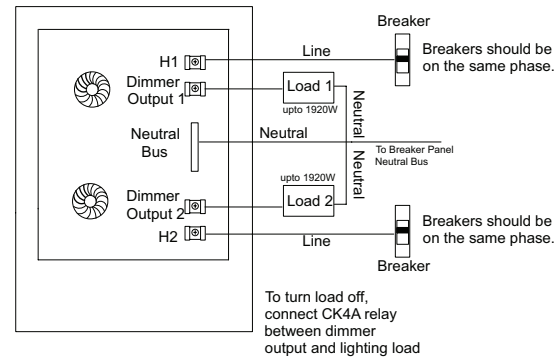
The PD216 Power Dimmers dim 2 or 3-wire loads in response to a 0-10V control signal. This enables Greengate 0-10V dimming panels to control 2 or 3-wire load types directly without the need for architectural dimming panels. The PD216 control input wires directly to the panel 0-10V dimming outputs that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

Installation

This system accessory will require mounting and wiring at the site.

Wiring Diagrams

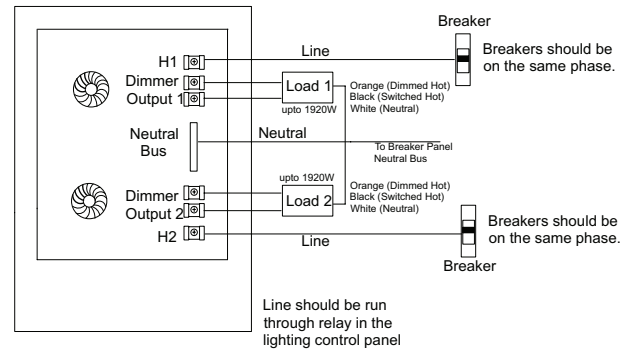
PD216-AN10277
2 Circuit 20A Power Dimmer



PD216-AN10-120

PD216-AN10-277

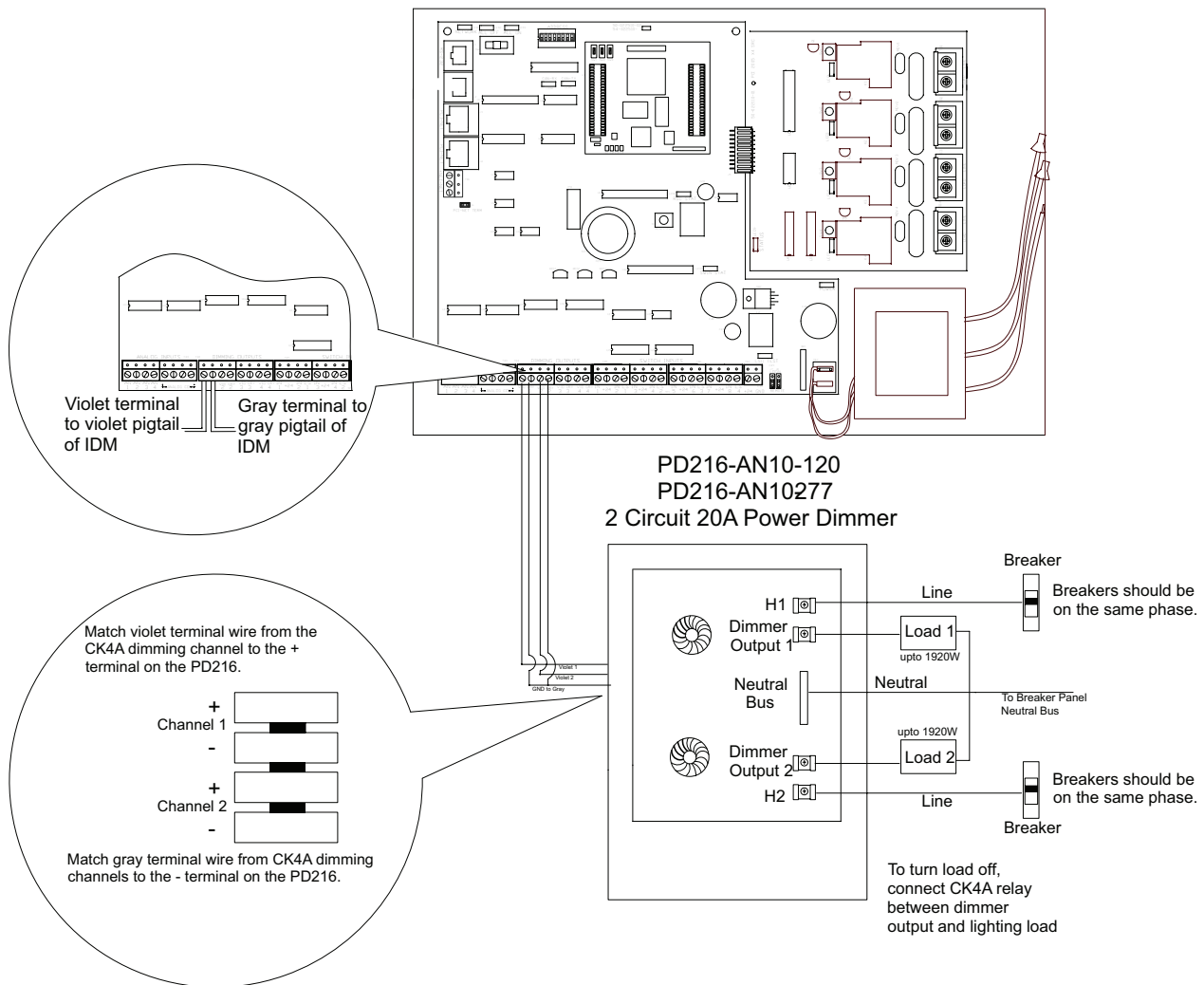
2 Circuit 20A 3wire control Power Dimmer



PD216-AN10-3WB-120

PD216-AN10-3WB-277

Wiring Diagrams



Ordering

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

Cat #	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

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