

Pow-R-Command™ 3000 Lighting Power Reduction Panel

Specifications and Capacities

Technical Data TD01412053E

Effective November 2008



Specifications

TABLE 1. VOLTAGES AND CAPACITIES

MODEL NUMBER	CAPACITY	VOLTAGE
PRC3000-60-120	60 Amperes, 3-Phase	120/208
PRC3000-60-277	60 Amperes, 3-Phase	277/480
PRC3000-100-120	100 Amperes, 3-Phase	120/208
PRC3000-100-277	100 Amperes, 3-Phase	277/480
PRC3000-200-120	200 Amperes, 3-Phase	120/208
PRC3000-200-277	200 Amperes, 3-Phase	277/480

TABLE 2. DIMENSIONS

MODEL NUMBER	DIMENSIONS (W X H X D)	WEIGHT
PRC3000-60-120	11.00 x 16.75 x 12.00	52 (24)
PRC3000-60-277	(279.4 x 425.5 x 304.8)	
PRC3000-100-120	27.00 x 19.00 x 9.00	85 (39)
PRC3000-100-277	(685.8 x 482.6 x 228.6)	
PRC3000-200-120	27.00 x 21.00 x 12.75	148 (67)
PRC3000-200-277	(685.8 x 533.4 x 323.9)	

Introduction

The Pow-R-Command 3000 Lighting Power Reduction Panel is an energy-saving device for use with new or existing fluorescent lighting systems. By conditioning the incoming power wave, it reduces electrical consumption with negligible foot-candle loss at savings up to 15%.

For safety, the Pow-R-Command 3000 Lighting Power Reduction Panel is UL® and cUL® listed.

The Pow-R-Command 3000 Lighting Power Reduction Panel drops consumption, maintains light levels and offers a great ROI.

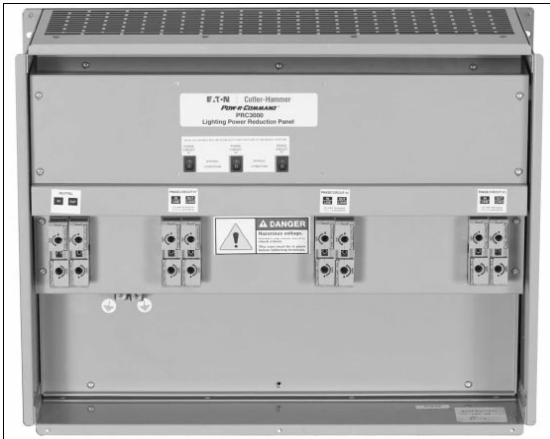
The Pow-R-Command 3000 Lighting Power Reduction Panel must be installed by licensed electrical personnel meeting all appropriate state electrical codes.



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Installation: Installation is accomplished by “splicing” the Pow-R-Command 3000 Lighting Power Reduction Panel in between the supply feeder and the lighting panel. The Pow-R-Command 3000 Lighting Power Reduction Panel conditions the power for all of the lights controlled by the lighting panel. Suitable for three-phase or single-phase systems.

Ballast Requirements: The Pow-R-Command 3000 Lighting Power Reduction Panel works with either T8 or T12 ballasts. Testing shows that the greatest savings with the least lumen loss are achieved when the Pow-R-Command 3000 Lighting Power Reduction Panel is used with single voltage T8 ballasts.

Bypass: The Pow-R-Command 3000 Lighting Power Reduction Panel is equipped with an electronic bypass. It is accessible only after removing the outer cover. The cover and panel are equipped with holes for a security seal. This satisfies utility requirements for energysaving devices by preventing use of the bypass except in the event of an equipment failure.

Enclosure: Gray powder coated, galvanized steel. Rated as NEMA® 1.

UL/cUL Listing: The Pow-R-Command 3000 Lighting Power Reduction Panel is UL and cUL listed, File Number E306255.

Generator Compatibility: The Pow-R-Command 3000 Lighting Power Reduction Panel is compatible with generators. The Pow-R-Command 3000 Lighting Power Reduction Panel adjusts to any sine wave shift caused by the transition from grid to generator or generator to grid.

Computer Connection: The Pow-R-Command 3000 Lighting Power Reduction Panel connects to any PC or laptop via a serial cable via an external RJ-45 jack located on the upper right side of the enclosure.

Control Software: The Pow-R-Command 3000 Lighting Power Reduction Panel is controlled with the Pow-R-Command 3000 software provided. This software is compatible with the Windows® family of operating systems. This software controls each phase independently and allows the user to program lighting changes as timed events and/or turn all lights associated with each of the phases on and off.

TABLE 3. MAXIMUM NUMBER OF FIXTURES PER POW-R-COMMAND 3000 LIGHTING POWER REDUCTION PANEL

MODEL NUMBER	NUMBER OF FIXTURES (2 X 32 W LAMPS)	NUMBER OF FIXTURES (4 X 32 W LAMPS)	NUMBER OF FIXTURES (6 X 32 W LAMPS)
PRC3000-60-120	300	150	100
PRC3000-60-277	690	345	220
PRC3000-100-120	500	250	165
PRC3000-100-277	1150	575	380
PRC3000-200-120	1000	500	330
PRC3000-200-277	2300	1150	765



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