Pow-R-Command

Lighting control retrofit solutions

Eaton—bringing new solutions to meet the lighting control needs of your existing facilities. Existing Eaton panelboards can easily be upgraded with the Pow-R-Command™ external control cabinet and the required number of remote-controllable breakers for your lighting control system. There is no need for traditional contactor or relay panels and complicated wiring schemes.

Innovative design—energy savings

The external control cabinet is a microprocessor-based programmable lighting control system that can be used to control all of the lighting for the varying demands of today's facilities, including office buildings, schools, retail, warehouses, manufacturing, airports and stadiums.

Pow-R-Command provides comprehensive lighting control solutions for standalone and networked systems.

With the increase in concerns about energy conservation, managers are looking for ways to reduce their utility costs.

Anytime you see the lights left on in an unoccupied building, you are seeing money wasted right before your eyes.

Scheduled and occupant override switching and dimming control

According to the New Buildings Institute, "Lighting controls can reduce energy use by 50% in existing buildings and by at least 35% in new construction." Clearly, Pow-R-Command external control cabinets are a great way to upgrade your investment.

Customers often face many obstacles when attempting to upgrade an existing facility to include lighting control.

Consider the challenges

- No accurate wiring diagrams
- Cutting or breaking block walls to remove old panelboard enclosure
- Conduits and cables must be cut back and terminated in new panel
- Additional labor and cleanup costs

Consider the problems

- Limited wall space
- Lengthy disruption of electrical services to building occupants
- Unknown financial costs from on-site labor

Consider retrofitting

- Upgrade existing panels easily by using remote-controllable breakers
- Save space by using the existing panelboard
- Minimize electrical downtime
- Simplified wiring system
- Reduce installation and labor costs
- Immediate energy savings

EATON

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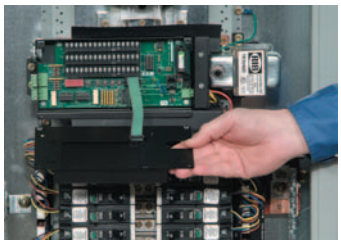
Controller features

Description	PRC750	PRC1000	PRC2000
LCD programming display and keypad	■	Optional	Optional
Front panel programming communications port	■	■	■
Real-time clock, astronomical clock	■	■	■
Occupant override control	■	■	■
Holiday/event scheduling	■	■	■
Off warning (blink notice)	■	■	■
Memory loss protection	■	■	■
Power failure / brown-out protection	■	■	■
Hardware diagnostics	■	■	■
Eight (8) digital inputs per controller	■	■	■
Eight (8) universal inputs (digital/analog)	■	■	■
Eight (8) digital outputs per controller	■	■	■
Four (4) analog outputs per controller		■	■
Fluorescent and LED dimming / daylight harvesting		■	■
PRC Digital Switch Network (DSN)		■	■
RS-485 network communications		■	■
Peer-to-peer communications		■	■
Ethernet communications			■
Onboard preconfigured Web pages			■
BACnet/IP protocol communications			■
Lighting Optimization Software (LOS) compatible	■	■	■

Controller catalog numbers

Description	Catalog Number
PRC750 external controller with LCD, 120V	**PRC750ECD-120**
PRC750 external controller with LCD, 277V	**PRC750ECD-277**
PRC1000 external controller with LCD, 120V	**PRC1000ECD-120**
PRC1000 external controller, 120V	**PRC1000EC-120**
PRC1000 external controller with LCD, 277V	**PRC1000ECD-277**
PRC1000 external controller, 277V	**PRC1000EC-277**
PRC2000 external controller with LCD, 120V	**PRC2000ECD-120**
PRC2000 external controller, 120V	**PRC2000EC-120**
PRC2000 external controller with LCD, 277V	**PRC2000ECD-277**
PRC2000 external controller, 277V	**PRC2000EC-277**

LCD programming display and keypad
Front panel programming, monitoring and override control.

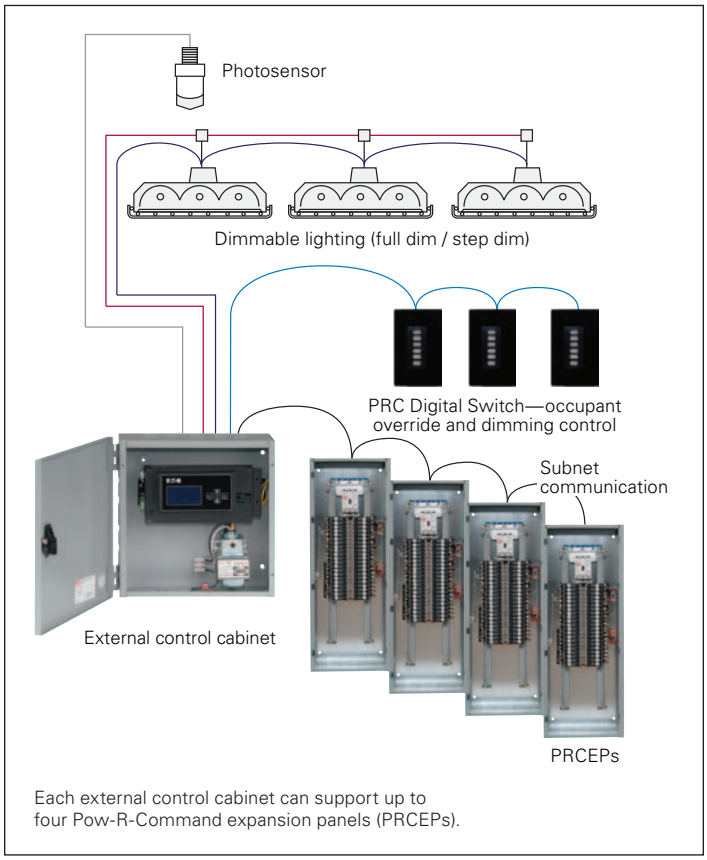


Controller digital and analog I/O
Occupant override switching and dimming control.

Standards and certifications

UL® Listed	Standard
Breakers	UL 489
Energy management	UL 916

How to apply these products—external control cabinet



Each external control cabinet can support up to four Pow-R-Command expansion panels (PRCEPs).

Breaker Control Bus (BCB)
Retrofits into existing panelboard and provides individual circuit control.

Smart breakers
Solenoid-operated one- and two-pole.

Eaton Corporation
Electrical Sector
1111 Superior Avenue
Cleveland, OH 44114 USA
Eaton.com

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Visit **www.eaton.com/lightingcontrol** for additional information.

To contact Technical Support, please send email to **lightingcontrol@eaton.com** or call **888-252-6286**, **option 3**.