

## Pow-R-Command 25 panelboard

Integrated lighting control panelboards



# A cost-effective lighting and plug load control panelboard



- Integrated panelboard controller design
- Circuit protection and control using controllable circuit breaker
- Zone control for partial or full panel control
- Mix standard and controllable breakers within panelboard
- Selectable low-voltage dry-contact or voltage level control
- Available in Standard PRL1X and PRL2X panelboards
- 120/240 V single-phase, 480Y/277 V and 208Y/120 V three-phase applications

### General description

Eaton's Pow-R-Command™ 25 (PRC25) is designed to replace lighting control systems involving multi-pole lighting contactors and relay panels. The PRC25 panelboard is a cost-effective lighting and plug load control panelboard. Compact design provides branch circuit protection and control in a single panelboard, enclosure. The PRC25 utilizes controllable circuit breakers in a panelboard, which are grouped into zones and switched by a dry-contact or low-voltage signal from an external source.

### Components

- Integrated PRC25 controller
- Controllable circuit breakers
- PRC group terminating boards

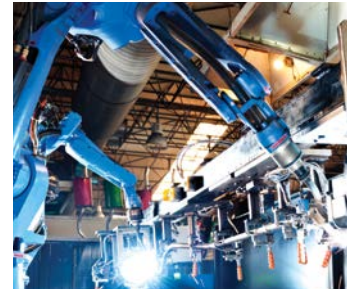
### Integrated PRC25 controller

PRC25 integrates into PRL1X and PRL2X panelboards offered from 100 A to 600 A in main lug and main breaker configurations. Available voltages are 120/240 Vac single-phase or 480Y/277 Vac or 208Y/120 Vac three-phase. The panelboard utilizes both branch mounted standard breakers through 100 A and thermal-magnetic breakers that are controlled by the PRC25 controller.

The PRC25 panelboard is listed UL 67 for panelboards and UL 916 for energy management equipment.

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### Controllable circuit breakers

The PRC25 controllers are designed for controlling BABRP, BABRSP, GHQRD and GHQRSP single- and two-pole remote-operated circuit breakers. These devices provide standard thermal-magnetic branch circuit protection and switch-duty solenoid-operated control contacts. These breakers are available in ratings from 15 A to 50 A.

### PRC group terminating boards

The integrated PRC group terminating boards (PRCGTB) are used to group the breakers in the distinct controllable zones. The PRC25 panelboard provides the ability to control up to 42 remotely operated controllable breaker poles in six individual zones. The controllable breaker zones are pre-wired at the factory into customer-designated zones with up to seven breaker poles per zone. The PRCGTB allows for limited changes to zone designations in the field through wiring changes.

### NEMA enclosure options

A variety of NEMA® enclosures are available as options: Type 2, 3R, 4, 4X and 12. Optional 28-inch-wide boxes are available for applications that require additional gutter space for cable bending.

### Dimensions in inches (mm)

#### Height

- 36 (914.4)
- 42 (1066.8)
- 48 (1219.2)
- 60 (1524.0)
- 72 (1828.8)
- 90 (2286.0)

#### Width

- 20 (508.0) standard
- 28 (711.2) optional

#### Depth

- 5.75 (146.1)

① Dimensions for NEMA Type 1 enclosure. For optional NEMA enclosure dimensions, contact your Eaton distributor or sales engineer.

### Factory-installed modifications and accessories

Because each PRL1X and PRL2X panelboard is assembled by an experienced technician, Eaton can easily and efficiently incorporate any combination of modifications and accessories, including:

- Breaker lock-off devices
- Compression type lugs (mains only)
- Ground fault breakers
- Arc fault breakers
- Increased dimensions
- Trim to fix existing boxes
- Main breakers with solid-state trip units
- Permanent circuit numbering
- Service entrance rated
- Special doors and locks
- Surge protective devices

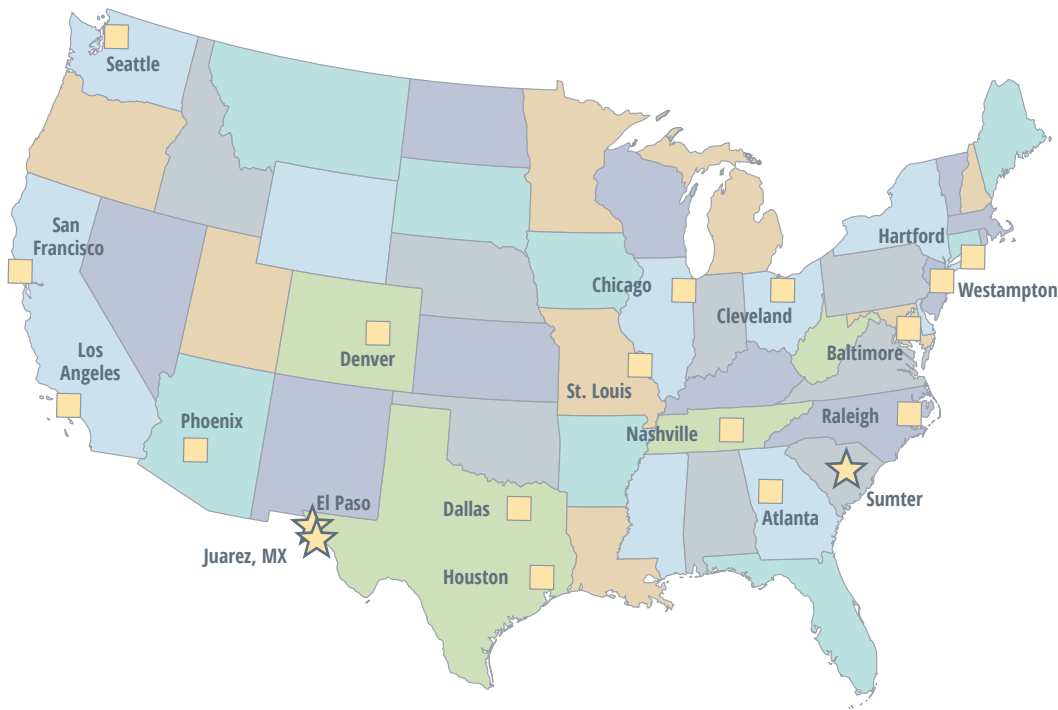
**Note:** Contact your local Eaton distributor or sales engineer for additional information on these and other modifications and accessories.

### PRC25 specifications

Description	Rating
<b>PRL1X ratings</b>	
Voltage	240 Vac maximum
Main breaker	100–600 A
Main lug	100–600 A
Maximum kAIC	10–22 kA fully rated 22–200 kA series rated
Branch circuit breaker	15–100 A
Branch breaker connector	140 A
Branch circuit breaker types	BA (BAB, BAB-H), QBH (QBHW, QBHW-H), QBGFT, QBGFEP, QBHGFT, QBHGFEP, HQP, QPHW, QHPX, QPGF, QPHGF, QPGEP, QPHGFEP, BABR, QBAF, QBAG, QBHAF, QBCAF and QBHCAF
<b>PRL2X ratings</b>	
Voltage	240 Vac, 480Y/277 Vac and 125/250 Vdc maximum
Main breaker	100–600 A
Main lug	100–600 A
Maximum kAIC	240 Vac: 65 kA fully rated 65–200 kA series rated 480Y/277 Vac: 14 kA fully rated 22–150 kA series rated 125/250 Vdc: 10–14 kA fully rated
Branch circuit breaker	15–100 A
Branch breaker connector	140 A
Branch circuit breaker types	GB, GHB, GHBGFEP, GHBS, HGHB, GQ, GHQ, GHQRS and GHQRSP



Left:  
**Two- and single-pole remote-operated circuit breakers**  
Above:  
**PRC25 controller**



Eaton Pow-R-Line Xpert panelboards and switchboards are built to your requirements at our world-class manufacturing plants in Sumter, SC, El Paso, TX, and Juarez, MX. In addition, Eaton has 16 regional Satellite facilities located across the country to meet your panelboard and switchboard service needs.

**For an unparalleled commitment to your specific needs, please visit your local Satellite facility.**

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