



EAT•N

Cutler-Hammer

Pow-R-Line® 1R and 2R Retrofit Panelboards

Product Focus

For use in the renovation of existing electrical systems



Pow-R-Line Retrofit Panelboards



Upgrade the Easy Way

Eaton's Cutler-Hammer® Pow-R-Line Retrofit Panelboard is the first product of its kind designed specifically for use in the renovation of existing electrical systems. This innovative solution employs a chassis design that enables the use of the existing back box, conduit and cables. An exclusive depth-adjusting mechanism and an integrated trim assembly provides for fast, trouble-free mounting of the new panelboard interior into any existing enclosure.

The NEW Pow-R-Line Retrofit Panelboard minimizes demolition of existing walls and eventual repair costs when upgrading electrical distribution systems in older facilities.



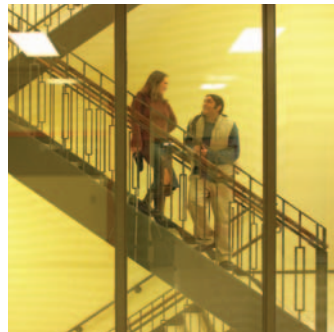
Local Satellite Services and Capabilities

Eaton's electrical business provides technical expertise through a network of regional satellite facilities offering unique capabilities. Satellite facilities can provide special configurations to meet the unusual needs encountered in retrofit applications.

Custom-built panelboard interiors and trims can be provided to

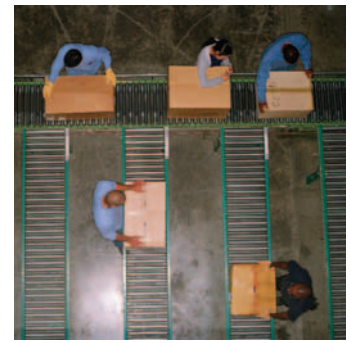
retrofit most any manufacturer's existing panelboard enclosure.

Provided with the necessary information regarding the existing installation, our network of satellites can provide you with application and technical support to ensure you receive an accurate quotation and on-time delivery of a quality retrofit product.



1. 14-Inch Wide Enclosure Flush Mounted in Concrete Wall

Retrofit Panelboard Chassis



The Pow-R-Line 1R Retrofit Panelboard is rated at 240 Vac maximum for single-phase or three-phase applications. The Pow-R-Line 2R Retrofit Panelboard is rated at 480Y/277 Vac or 600Y/347 Vac for three-phase, four-wire applications. Both are available with 225 amperes main lugs or main breaker, or 400 amperes main lugs only. Various chassis sizes are available from 18 to 42 circuits.

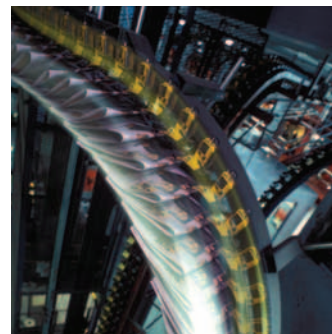
Chassis Features

- Designed to accommodate minimal box widths at 14 inches.
- Innovative telescoping chassis accommodates depths from 4.50 to 6 inches (4.75 to 6 inches for Pow-R-Line 2R) without the need for box modifications.
- Universal mounting locations allow the neutral and grounds to be relocated from top to bottom or left to right side of back plate.
- High quality laser cut trim with lock.
- Concealed trim hardware is not dependent on back box for mounting.
- Special trims available to fit any size enclosures.

Interchangeable Neutral and Ground

The neutral and grounds are interchangeable and can be repositioned on the backpan assembly to accommodate existing cable locations. Optional neutral kits are also available to line up with shorter neutral cables that do not reach the opposite side of the panel.

2



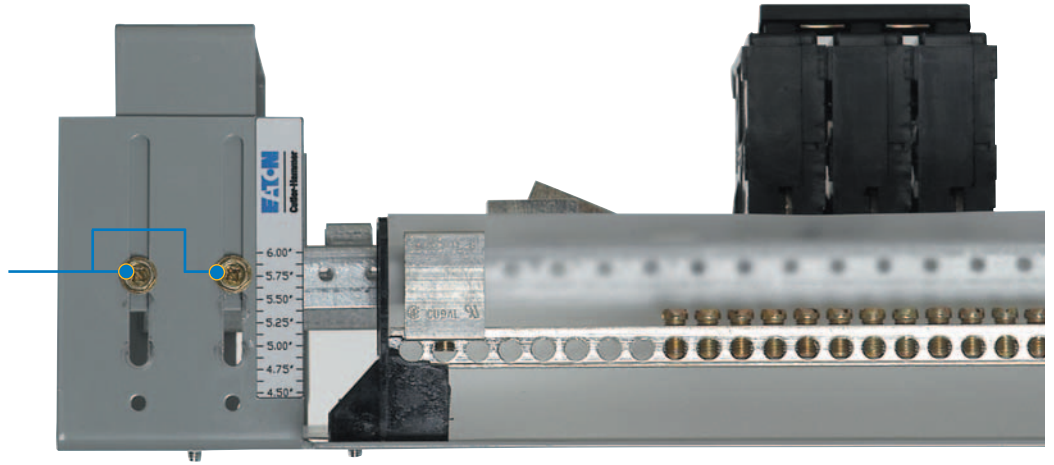
2. Retrofit Panelboard Chassis
Accommodates 18, 30 or 42 branch circuits.

Retrofit Panelboard Features



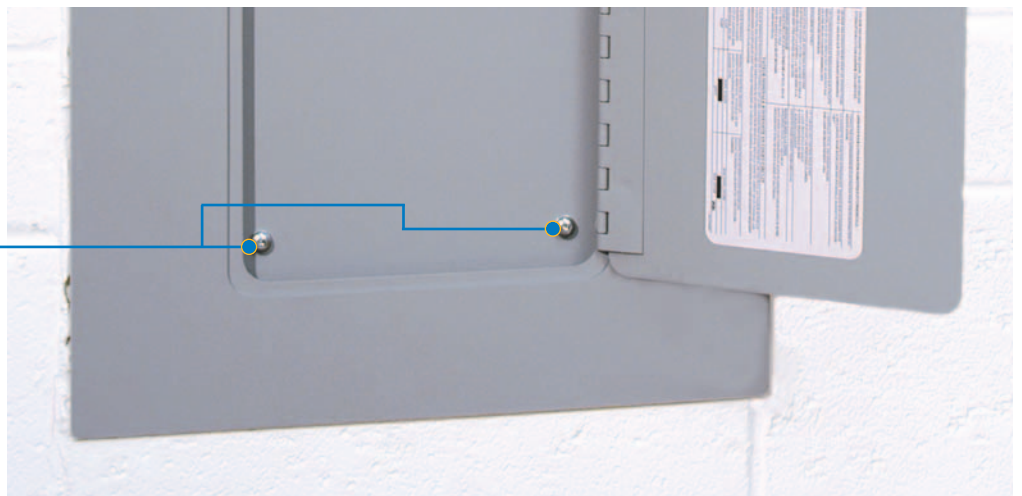
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The enclosure depth is set by adjusting the panelboard chassis up or down on sliders using the permanently attached depth gauge.



4

Trim fastening hardware is concealed behind a lockable door.



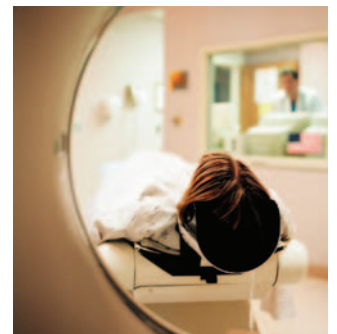
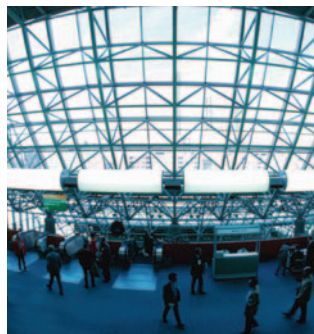
3. Easy Depth Adjustment

The unique levelling feet can be adjusted to the depth of the box before installing the backpan assembly into the existing enclosure.

The standard mounting pan allows for installation into 4.50 to 6-inch deep enclosures (4.75 inches deep minimum for Pow-R-Line 2R). Optional mounting brackets are available if your enclosure exceeds 6 inches deep.

4. Chassis Mounted Trim

The new trim and door is designed to attach directly to the panelboard deadfront assembly. Trim fastening hardware does not need to be drilled and/or tapped into the existing box. With no drilling required, the panel trim is fast and easy to install.



Retrofit Panelboard Applications



Installers often face many obstacles when attempting to upgrade an existing electrical service with a standard panelboard.

Consider the Challenges

Installation of a new panelboard could involve cutting or breaking cinder block walls to remove the old enclosure. Conduits and cables must be cut back and terminated in the new box without damage. The opening in the finished wall may need to be enlarged to accommodate a larger panelboard, resulting in additional labor and clean-up costs.

Consider the Problems

Is there adequate space available to fit a new, larger panelboard? Is there a safety or financial risk incurred by a lengthy disruption in electrical service to the building's occupants or operations.

Consider Retrofitting

A Cutler-Hammer Retrofit Panelboard allows you to upgrade protective device interrupting ratings while at the same time replace worn, obsolete circuit breakers with new devices, including Ground Fault Circuit Interrupters or Arc Fault Circuit Interrupters. A Retrofit Panelboard provides additional circuits for load growth while allowing for system changes and additions. The labor-friendly, surface or flush mounted panelboard is cosmetically appealing while minimizing wall reconstruction, clean-up and downtime during the upgrade.

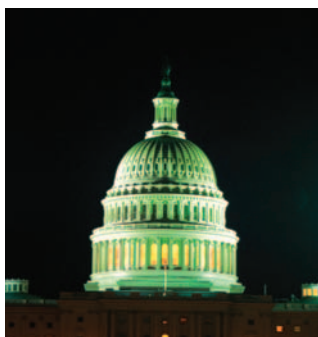
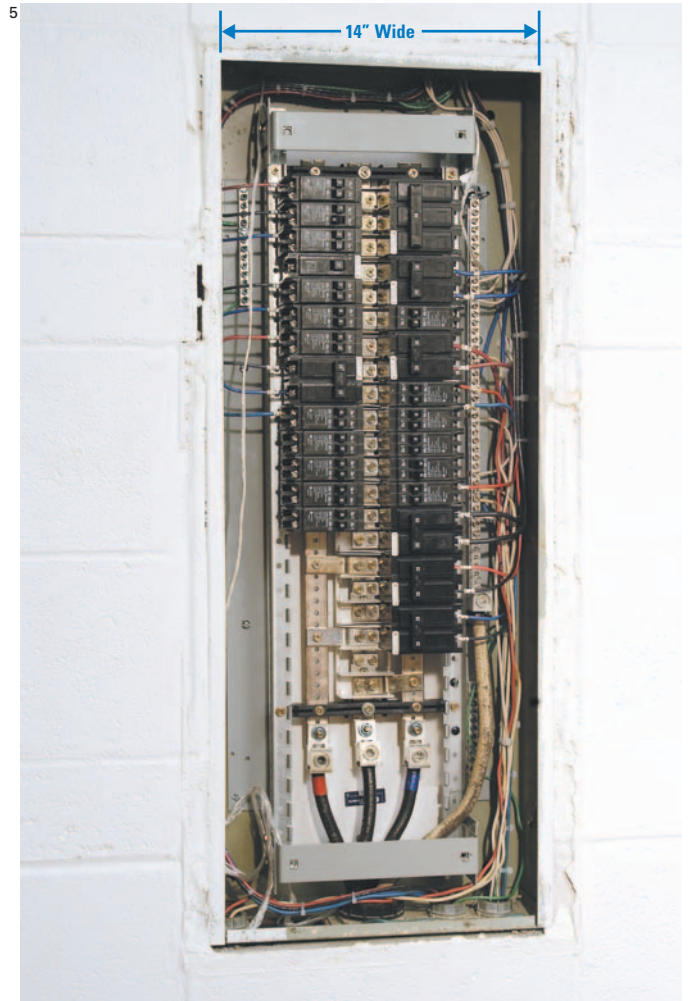
Codes and Standards

The Pow-R-Line Retrofit Panelboard is designed to meet the following applicable industry standards:

- UL® 67 listed
- CSA® C22.2 #29 approved

The Retrofit Panelboard is also designed to meet the applicable sections of:

- National Electrical Code® (NEC®)
- Canadian Electric Code (CEC)
- NEMA® PB2.1



5. New Retrofit Panel — Installed and Wired

Concrete wall and finished wall surface is untouched since the existing box is being reused.

Eaton Corporation is a diversified industrial manufacturer ranked among the largest Fortune 500 companies. The electrical group is Eaton's largest division and is a global leader in electrical control, power distribution, power quality, automation, and monitoring products and services. Eaton's electrical products include brands such as Cutler-Hammer®, MGE Office Protection Systems, Powerware®, Holec® and MEM®. Eaton provides PowerChain Management® solutions to serve the needs of the industrial, institutional, IT, data center, mission critical, utility, residential and OEM markets worldwide.

PowerChain Management solutions help enterprises achieve sustainable and competitive advantages through proactive management of the power system as a strategic, integrated asset throughout its life cycle. With Eaton's distribution, generation and power quality equipment; full-scale engineering services; and information management systems, the power system is positioned to deliver powerful results: greater reliability, operating cost efficiencies, effective use of capital, enhanced safety and risk mitigation.

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