

**Standard Specifications for *Pow-R-Line C*<sup>™</sup> Panelboards - Type PRL3a****INDUSTRY STANDARDS**

Cutler-Hammer panelboards are designed to meet the following applicable industry standards (unless noted) :

- Underwriters' Laboratories, Inc.  
Panelboards : UL 67  
Cabinets and Boxes : UL 50  
(Note - Only panelboards containing UL listed devices can be UL labeled.)
- National Electrical Code
- NEMA Standard PB1
- Federal Specification W-P-115c

All circuit breakers are UL listed under UL 489, comply with Federal Specification W-C-375a,b and conform to the applicable requirements of NEMA Standard AB1.



All panelboards are seismically qualified for Uniform Building Code and California Building Code Zone 4.

**INTERIORS**

Panelboard interiors are assembled with bolt-on protective devices and are designed for sequence phase connection of branch devices to evenly balance electrical loads. Devices can be replaced without disturbing adjacent units or removing main bus connections.

Bus bars are sized in accordance with UL standards to limit temperature rise on any current carrying part to a maximum of 65° C above a 40° C ambient.

Standard terminals are mechanical type suitable for either copper or aluminum conductor and are installed with appropriate anti-turn provisions.

Neutral bus, when provided, will be full size and insulated with a suitable terminal for each outgoing conductor

**BOXES**

Panelboard boxes are constructed from code gauge commercial galvanized steel. Standard boxes are provided with blank removable endwalls. All boxes are sized to provide wire bending space as required by the NEC.

Interior mounting studs include in and out adjustment capability for installation alignment.

**TRIMS**

Trims are made of code gauge sheet steel with a rust inhibiting phosphatized coating and finished with ANSI-61 gray polyester powder paint. Trims are available for both surface and flush mounted applications.

Trims include doors with concealed hinges that allow a 130-degree swing to provide access to circuit breaker handles without exposure to live parts. Separate dead front cover allows access to panelboard interior when trim is removed. All doors include a latch and cylinder lock assembly. All locks are keyed alike.

Doors up to 48 inches high have a single point catch and lock. Doors over 48 inches in height have one single point catch and lock plus a quarter-turn fastener at the top and at the bottom of the door.

A directory card and transparent holder is provided on the inside of the door.