Exactra™ Factory-Sealed Lighting Panelboards provide flexibility and labor savings when installed, and for future changes in the field. Panels are prewired to maximum circuit capacity and ratings.

Applications:
Exactra™ Factory-Sealed Lighting Panelboards are ideal:
- In areas made hazardous by the presence of flammable gases and vapors, and combustible dusts
- In areas subject to weather, dampness, and corrosion
- For branch power distribution and circuit protection for motors, valves, pumps, lighting, heat tracing, receptacles, etc.
- For indoor and outdoor applications in petroleum refining, chemical and petrochemical plants, and other process industry facilities where similar hazards exist
- In areas where flammable vapors or gases or highly combustible dusts may be present due to accidental or abnormal conditions
- To accommodate up to 35 amp branch loads

Features and Benefits:
- Factory sealed, no external seals required for branch circuits. External seals are required for Class I, Div. 1 applications
- Fully wired for circuit breaker housing to pre-numbered terminals in wiring compartment
- External flange design allows wide unobstructed cover opening for easy wiring access
- External circuit breaker handles can be padlocked “ON” or “OFF”
- Furnished with two 3” and ten 1 1/2” conduit openings
- Breather and drains available for each enclosure
- Breather and drains available for each enclosure
- Breather and drains available for each enclosure
- Available with or without main circuit breaker up to 100 amps
- Isolated neutral and ground bar provided
- Available with up to 6 GFI and/or EPD branch breakers per panel. GFI and EPD branch breakers available within the same panel
- Available with ambient compensated breakers throughout panelboard
- Stainless steel hinges allow the cover to swing wide open or be removed
- Stainless steel hex head bolts captive design prevents lost bolts
- Cast copper-free (less than 0.4%) aluminum construction for excellent corrosion resistance
- Neoprene cover gasket meets NEMA 4 / CSA Enc. 4 / IP65 requirements, provides watertight seal for superior water and corrosion protection
- Copper bus bar system

Certifications and Compliances:
LP1 panelboards:
- Class I, Groups B, C, D
- Class I, Zone 1 & 2, IIB + H2
- Class II, Groups E, F, G
- Class III
- NEMA 3, 4*, 4X, 7B1CD, 9EFG, 12
- CSA Enc. 3, 4*, 5
- IP65* Enclosure
- UL Classified (Standard 1203)
- cUL Classified (Certified by UL to CSA C22.2 No. 30)

LP2 Panelboards:
- Class I, Division 2, Groups B†, C, D
- Class I, Zone 1 & 2, IIB + H2
- Class II, Division 2, Groups F, G
- Class III
- NEMA 3, 4*, 4X, 7BCD (Div 2), 9EFG, 12
- CSA Enc. 3, 4*, 5
- IP65* Enclosure
- UL Classified (Standard 1203)
- cUL Classified (Certified by UL to CSA C22.2 No. 30)

Standard Materials:
- Body and cover – cast copper-free aluminum
- Gasket – neoprene
- Operating handles – extruded aluminum (copper-free)
- Operating shafts, cover bolts, washers, GFI/EPD plungers and hinges – stainless steel
- Circuit breaker operator forks –
  - for 1 pole standard breakers - die-cast aluminum (copper-free)
  - for 1 and 2 pole GFI / EPD breakers - die-cast aluminum (copper-free)
  - for 2 and 3 pole standard breakers - stainless steel
- Lifting bracket – cold rolled steel
- Bus bar – copper

Standard Finishes:
- Aluminum – natural
- Stainless steel – natural
- Cold rolled steel – electrogalvanized

* NEMA 4/CSA Enc. 4/IP65 hermetically sealed with breather and drain openings plugged.
† With suffix -GB.
‡ External seals required for Class I, Div. 1.
§ NEMA 4X when ordered with suffix S752 with breather and drain openings plugged.

Contact Crouse-Hinds Customer Service for Alternate Solutions
Electrical Ratings:
Branch Breaker (120 / 240 VAC Quicklag® Bolt On) Trip Ratings
• 1, 2, 3 pole
10, 15, 20, 25, 30, 35 amp
• GFI type 1, 2-pole (5 mA sensitivity)
15, 20, 25, 30 amp
• EPD type 1, 2-pole (30 mA sensitivity)
15, 20, 25, 30 amp
Main Breaker Trip Ratings:
• Size B & C
10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 70, 80, 90, 100 amp
2, 3-pole
Main Lugs
• Size B & C
100 amp

Options:
• Alternate feed: incoming power into terminal enclosure from bottom
• Group B and E suitability
(10A not avail.)
• Lamicoid nameplate with customer-specified panel identification
• Stainless steel nameplate with customer-specified panel identification
• 125V@120 VAC, 250V@240 VAC internal space heater in circuit breaker enclosure
• External epoxy powder coat finish
• Internal and external epoxy powder coat finish
• One breather and two drains per enclosure
• All conduit entries plugged with PLG recessed head plugs
• All conduit entries plugged with square headed plugs
• To order an inverted panelboard with all conduit openings for power and branch circuits on the bottom, invert 1

Breaker Options:
• EPD branch breaker (up to 6 EPD and/or GFI per panel)
• GFI branch breaker (up to 6 EPD and/or GFI per panel)
• Ambient compensated (50°C) breakers throughout panelboard
• HID branch breaker for lighting loads

Lighting Panelboard Accessories:
• Extra circuit breaker operator assemblies 1-pole...
• Replacement cover plugs for unused circuit breaker positions...
• Extra circuit breaker operator assemblies for 1 pole and 2 pole GFI/EPD breakers...
• GFI/EPD “push to test” plungers...
• GFI/EPD entry plugs...
• Replacement mounting feet...
• Extra circuit breaker operator assemblies for 3 pole breakers...

Weight
• 150 lbs.

Dimensions
In Inches:

Panel Capacity:

Options:
• NEMA 4/CSA Enc. 4/IP65 hoisetight with breather and drain openings plugged.
• With suffix -GB.
• External seals required for Class I, Div. 1.
• NEMA 4X when ordered with suffix S752 with breather and drain openings plugged.

Quicklag® is a registered trademark of Cutler-Hammer Inc.

DISCONTINUED CONTACT CROUSE-HINDS CUSTOMER SERVICE FOR ALTERNATE SOLUTIONS

Crouse-Hinds by Eaton


631
Ordering Information
LP1 & LP2 Factory Sealed 120 / 240 Volt Lighting Panelboards

<table>
<thead>
<tr>
<th>Branch Spaces Needed</th>
<th>Division 1</th>
<th>Division 2</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1 Phase</td>
<td>2 Phase</td>
</tr>
<tr>
<td></td>
<td>3 Wire</td>
<td>4 Wire</td>
</tr>
<tr>
<td>6</td>
<td>LP1B106</td>
<td>LP1B106</td>
</tr>
<tr>
<td>8</td>
<td>LP1B108</td>
<td>LP1B108</td>
</tr>
<tr>
<td>10</td>
<td>LP1B110</td>
<td>LP1B110</td>
</tr>
<tr>
<td>12</td>
<td>LP1B112</td>
<td>LP1B112</td>
</tr>
<tr>
<td>14</td>
<td>LP1B114</td>
<td>LP1B114</td>
</tr>
<tr>
<td>16</td>
<td>LP1B116</td>
<td>LP1B116</td>
</tr>
<tr>
<td>18</td>
<td>LP1B117</td>
<td>LP1B117</td>
</tr>
<tr>
<td>20</td>
<td>LP1C120</td>
<td>LP1C120</td>
</tr>
<tr>
<td>22</td>
<td>LP1C122</td>
<td>LP1C122</td>
</tr>
<tr>
<td>24</td>
<td>LP1C123‡</td>
<td>LP1C123‡</td>
</tr>
<tr>
<td>26</td>
<td>LP1C124‡</td>
<td>LP1C124‡</td>
</tr>
<tr>
<td>28</td>
<td>LP1C126</td>
<td>LP1C126</td>
</tr>
<tr>
<td>30</td>
<td>LP1C130</td>
<td>LP1C130</td>
</tr>
<tr>
<td>32</td>
<td>LP1C132</td>
<td>LP1C132</td>
</tr>
<tr>
<td>34</td>
<td>LP1C134</td>
<td>LP1C134</td>
</tr>
<tr>
<td>36</td>
<td>LP1C136†</td>
<td>LP1C136†</td>
</tr>
</tbody>
</table>

Breaker Ready (Empty) LP1B100 LP1B100 LP1B300 LP1B300
LP1C100 LP1C100 LP1C300 LP1C300

1. Select basic panelboard catalog number from listing:
   - Determine phase (available with single-phase or three-phase wiring).
   - Determine a total even number of breaker spaces needed to complete your desired lighting panelboard.
   - Review Panel Capacity table see page 631
   - If GFI or EPD breakers are to be included insert “G”, “E” or “EG” after base catalog number (e.g., LP2B316G).
   - Maximum number of GFI and/or EPD breaker spaces is 6 per panel. (e.g. 6 single-pole or 3 two-pole). For more, consult factory.
   - If ambient compensated breakers are required, insert “V” (e.g. LP2B318GV).

2. Using three-pole branch breakers first, select circuit breakers for lighting panel board application:
   - Place an asterisk (*) before each quantity of circuit breakers
   - First insert the quantity of breakers needed.
   - Second insert the quantity of poles (start with three-pole breakers).
   - Third insert the ampere rating needed (start with highest rating).
   - Insert “G” for GFI or “E” for EPD type breakers, if desired.

3. For additional circuit breakers repeat step 2. If there are more three-pole with different amp ratings, then continue with three-pole designation. Otherwise continue with two-pole circuit breakers, and then single-pole breakers.

4. To add a main breaker, insert a space, the number of poles (2 or 3), an “M” to indicate main breaker, then indicate the amp rating (See “ratings” for trip ratings available). If no main breaker is specified, the panelboard will have main lugs. No suffix needed in catalog number for main lug only.

   - For future spaces, to provide for operating mechanism without breaker write 00 (e.g. one three-pole mechanism without breaker: 01300)

   - Unused breaker positions without designations will be blanked and plugged. Complete panel will be provided for future breaker installations.

   - NEMA 4/CSA Enc. 4/IP65 hostight without suffix S756V.
   -‡ External seals required for Class I, Div. 1.
   -§ NEMA 4X when ordered with suffix S752 without suffix S756V.
   -† With suffix -GB.

---

Catalog Number Example:

Lighting Panelboards can be furnished with an assortment of breaker ratings and pole configurations. Assortments may be ordered by adding the number of poles and amp rating designations to the catalog number.

Example:

A three-phase, Class I, Div. 2, Groups C, D lighting panelboard with:
- 5 three-pole breakers – with 15 amp rating
- 6 single-pole breakers – with 20 amp GFI personnel protection
- Three-pole main breaker – with 100 amp rating
- Alternate feed option
- Breather and drain option

---

* NEMA 4/CSA Enc. 4/IP65 hostight without suffix S756V.
† External seals required for Class I, Div. 1.
§ NEMA 4X when ordered with suffix S752 without suffix S756V.
† With suffix -GB.
Wiring Diagrams:

- NEMA 4/CSA Enc. 4/IP65 hostight without suffix S756V.
- External seals required for Class I, Div. 1.
- NEMA 4X when ordered with suffix S752 without suffix S756V.
- With suffix -GB.

* NEMA 4/CSA Enc. 4/IP65 hostight without suffix S756V.
† External seals required for Class I, Div. 1.
§ NEMA 4X when ordered with suffix S752 without suffix S756V.
† With suffix -GB.