

XPB: Explosionproof Lighting & Power Distribution Panelboards

FEATURES

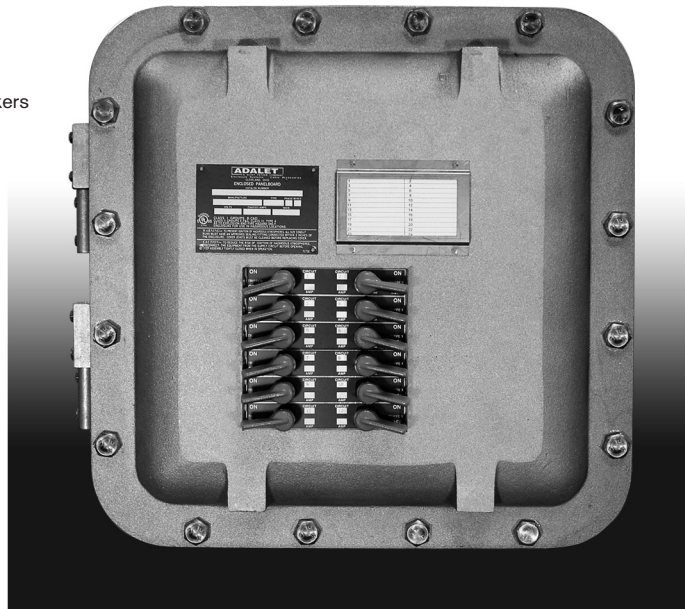
- Spring-loaded through the door circuit breaker handles for 1P, 2P, and 3P breakers
- Padlock provision for breaker handles
- Copper bus bars
- Aluminum hinge with stainless steel hardware
- Pre-drilled for Eaton PRL 1A / PRL2A / PRL3A panelboard chassis
- Circuit directory card on front cover
- One-piece, NEMA 4 water-tight gasket
- Premium, high-strength stainless steel quick thread cover bolts
- Internal grounding provisions
- Cast-on mounting feet
- Tumbblast surface preparation for uniform, natural, aluminum finish
- Standard drilled & tapped conduit configurations

DESIGN OPTIONS

- Back fed main breaker, main lug only, or power panel configurations
- 120/240V / 120/208V and 277/480V versions
- 1P, 2P, or 3P bolt-on breakers
- 1P and 2P - 5mA and 30mA GFCI / EPD breakers
- Top or bottom feed
- Non-removable hinges
- Customer specified drilling and tapping
- Custom machining – milling, counter-boring, spot-facing, blind-tapped holes, etc
- UL Listed NNNY populated approvals
- Multiple coating options for additional corrosion resistance
- Breather / drain
- Close up plugs

MATERIAL

- Enclosures cast from proprietary 359 aluminum alloy
- Standard stainless steel cover bolts are 316L
- Hinge blocks are 359 aluminum, pins and hardware are 303 stainless steel



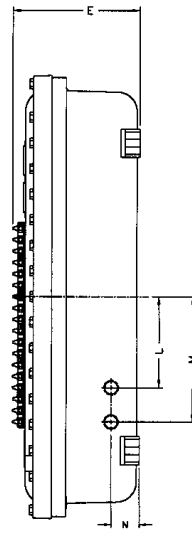
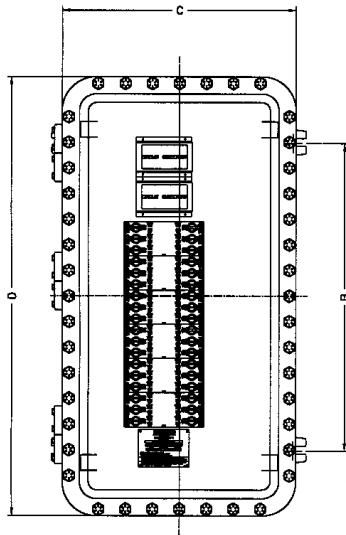
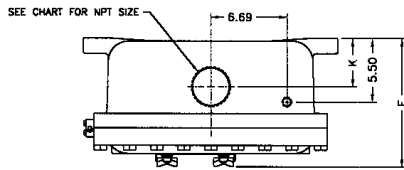
Certifications

Class I, Divisions 1 and 2, Groups B, C, and D
 Class II, Divisions 1 and 2, Groups E, F, and G
 Class III
 NEMA Type 4X, 7, and 9

UL1203/CSA C22.2 No. 25 & 30
 UL50



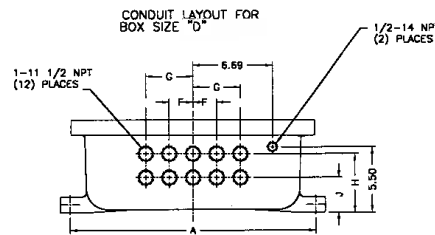
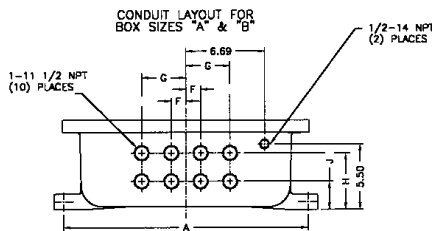
EXPLOSIONPROOF



Right side only

CONDUIT ENTRIES

Box Size	Conduit Entries (NPT)			
	1/2"	1"	2"	3"
A	Top	(1)	—	(1)
	Side	—	(2)	—
	Bottom	(1)	(8)	—
B	Top	(1)	—	(1)
	Side	—	(2)	—
	Bottom	(1)	(8)	—
D	Top	(1)	—	(1)
	Side	—	(2)	—
	Bottom	(1)	(10)	—



NOMINAL DIMENSIONS

Box Size	Box Inside Dimensions			Mtg. Width (A)	Mtg. Height (B)	Overall Cover (C)	Overall Hole (D)	Overall Each (E)	Mtg. Bolt Size
	W	L	D						
A	16	16	6	19 3/4	11	20 7/8	20 7/8	11	5/8
B	16	24	6	19 3/4	18 3/8	20 7/8	28 7/8	11 1/2	5/8
D	16	34	6	19 3/4	27	20 1/2	38 1/2	10 3/4	5/8

NOMINAL DIMENSIONS

Box Size	F	G	H	J	K	L	M	N	Weight (lbs.)
A	1 1/4	3 3/4	4 3/4	2 3/8	3 5/8	1	3 1/2	2 1/2	160
B	1 1/4	3 3/4	4 3/4	2 3/8	3 5/8	3	5	2 1/2	220
D	2	4	4 15/16	2 15/16	4 3/16	8	11	2 1/2	285

EXPLOSIONPROOF
Panelboards

Lighting Panelboards

FEATURES

- Explosionproof circuit breaker lighting panelboards use cast aluminum alloy housings with hinged cover
- External operating handles can be padlocked in “on” or “off” position
- Incorporates Cutler-Hammer bolt-on breakers @ 240 volt max.
- Top feed standard

BACK FED MAIN BREAKER PANELBOARDS

120/240 Volt, 1 phase 3 wire, solid neutral, Chassis without branch breakers or operating handles, 10,000 Ampere interrupting capacity (sym.).

BACK FED MAIN BREAKER PANELBOARDS			
Number of Available Poles	Catalog Number	Main Breaker Included	Box Size
10	XPB1-121 B1	100 Amp	A
22	XPB1-241 B1	100 Amp	B

BACK FED MAIN BREAKER PANELBOARDS

120/208 Volt, 3 phase 4 wire, solid neutral, Chassis without branch breakers or operating handles, 10,000 Ampere interrupting capacity (sym.).

BACK FED MAIN BREAKER PANELBOARDS			
Number of Available Poles	Catalog Number	Main Breaker Included	Box Size
9	XPB1-123 B1	100 Amp	A
21	XPB1-243 B1	100 Amp	B

MAIN LUG ONLY PANELBOARDS

1 Phase 3 wire 120/240 volt top feed main lug only, Chassis without branch breakers or operating handles, 10,000 Ampere interrupting capacity (sym).

MAIN LUG ONLY PANELBOARDS			
Number of Poles	Catalog Number	Main Lug Amperes	Box Size
12	XPB1-121L1	100	A
24	XPB1-241L1	100	B
24	XPB1-241L2	225	B
30	XPB1-301L2	225	D
36	XPB1-361L2	225	D

MAIN LUG ONLY PANELBOARDS

3 Phase 4 wire 120/208 volt top feed main lug only, Chassis without branch breakers or operating handles, 10,000 Ampere interrupting capacity (sym).

MAIN LUG ONLY PANELBOARDS			
Number of Poles	Catalog Number	Main Lug Amperes	Box Size
12	XPB1-123L1	100	A
24	XPB1-243L1	100	B
24	XPB1-243L2	225	B
30	XPB1-303L2	225	D
36	XPB1-363L2	225	D

HOW TO ORDER

1. Specify catalog number and voltage.
2. Number of operator handles, single pole, two pole and three pole as required.
3. Circuit breakers, number of poles and ampere rating.
4. Unused spaces will be plugged. Top feed standard.

Lighting Panelboard Modifications and Options

Circuit Breaker Operator Handles

• Installed in XPB1 panel boards

Optional Features - Modifications:

Suffix Letter	Description
E	Breather Drain (not type 4)
EE	Breather and Drain (not type 4)
L1	Epoxy Coating Outside
L2	Epoxy Coating Inside/Outside

Catalog #	Operator Description	Weight (lbs.)
XPB1-H1	For single pole BAB breakers	¼ lb.
XPB1-H2	For two pole BAB breakers	¼ lb.
XPB1-H3	For three pole BAB breakers	¼ lb.
XPB1-GL	For single pole GFI breaker left	¼ lb.
XPB1-GR	For single pole GFI breaker right	¼ lb.
XPB1-GR2	For two pole GFI breaker right	¼ lb.
XPB1-GL2	For two pole GFI breaker left	¼ lb.

Branch Circuit Breakers

• Installed in XPB1 panel boards

• Bolt-on thermal magnetic breakers 120/240 volt 10,000 ampere I.C.

Catalog #	Operator Description
XPB1-1*	1 pole breaker (available in 10-70 amp)
XPB1-2*	2 pole breaker (available in 10-100 amp)
XPB1-3*	3 pole breaker (available in 10-100 amp)

*Add ampere rating of the branch breaker when ordering.

Ground Fault Circuit Protectors

• 120/240 Volt 10,000 Ampere I.C. Std., 22,000 Ampere I.C. Optional

• Available with special application Bell Alarm or Auxiliary Switch.

Catalog #	Operator Description
XPB1-1GFCl*	1 pole GFCI Breaker 5 MA Sensitivity
XPB1-2GFCl*	2 pole GFCI Breaker 5 MA Sensitivity
XPB1-1GFEPD*	1 pole GFCI Breaker 30 MA Sensitivity
XPB1-2GFEPD*	2 pole GFCI Breaker 30 MA Sensitivity

*Add ampere rating of the branch breaker when ordering

Power Distribution Panelboards

FEATURES

- Explosionproof circuit breaker lighting panelboards use cast aluminum alloy housings with hinged cover
- External operating handles can be padlocked in “on” or “off” position
- Incorporates Cutler-Hammer bolt-on breakers @ 480 volt max.
- Top feed standard

HOW TO ORDER

1. Specify catalog number and voltage.
2. Number of operator handles, single pole, two pole and three pole as required.
3. Circuit breakers, number of poles and ampere rating.
4. Unused spaces will be plugged. Top feed standard.

BACK FED MAIN BREAKER PANELBOARDS

277/480 Volt, 3 phase 4 wire, solid neutral, Chassis without branch breakers or operating handles, 10,000 Ampere interrupting capacity (sym.).

BACK FED MAIN BREAKER PANELBOARDS			
Number of Available Poles	Catalog Number	Main Breaker Included	Box Size
9	XPB2-123 B1	100 Amp	A
21	XPB2-243 B1	100 Amp	B

MAIN LUG ONLY PANELBOARDS

3 Phase 4 wire 277/480 volt. Chassis without branch breakers or operating handles, 10,000 Ampere interrupting capacity (sym).

MAIN LUG ONLY PANELBOARDS			
Number of Poles	Catalog Number	Main Lug Amperes	Box Size
12	XPB2-123L1	100	A
24	XPB2-243L1	100	B
24	XPB2-243L2	225	B
30	XPB2-303L2	225	D
36	XPB2-363L2	225	D

Power Distribution Panelboard Modifications and Options

Circuit Breaker Operator Handles

• Installed in XPB2 panel boards

Optional Features - Modifications:

Suffix Letter	Description
E	Breather Drain (not type 4)
EE	Breather and Drain (not type 4)
L1	Epoxy Coating Outside
L2	Epoxy Coating Inside/Outside

Catalog #	Operator Description	Weight (lbs.)
XPB2-H1	For 1, 2, or 3-pole GHB breaker	¼ lb.

Branch Circuit Breakers

- Installed in XPB2 panel boards
- Bolt-on thermal magnetic breakers

Catalog #	Operator Description
XPB2-1*	1 pole GHB breaker (available in 15-100 amp) 277 volt A.C.
XPB2-2*	2 pole GHB breaker (available in 15-100 amp) 480 volt A.C.
XPB2-3*	3 pole GHB breaker (available in 15-100 amp) 480 volt A.C.

*Add ampere rating of the branch breaker when ordering.