

ALPN, AGPN and APPN Series Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 Class I, Zone 1, Group IIB +H₂
 NEMA 4, 4X, 7BCD, 9EFG

DISTRIBUTION EQUIPMENT: NEC/CEC HAZARDOUS LOCATION PANELBOARDS

Applications

- Distribution panelboards are used to furnish protection and control of electrical equipment in hazardous locations. These compact units provide a centrally controlled switching system for large quantities of branch circuits for:
 - Lighting
 - Heating
 - Small motors
 - Similar electrical equipment

Features

- Breaker operators included as standard.
- O-ring gasket insures watertight integrity.
- Permits selection of 1-, 2- or 3-pole breakers.
- Precision machined flame path between body and cover.
- Slotted mounting feet.
- Breaker operators can be padlocked in the ON or OFF position.
- All panelboards are supplied with Cutler-Hammer[®] standard Quicklag[®] breakers.
- Chassis assemblies with mains at top (bottom optional).
- For standard outlets, see outline dimensions. For custom outlets, contact your local representative.
- Provisions for 12, 18, 24, 30, 36 and 42 circuit 1-pole chassis.
- 100 Amp or 225 Amp main lug.
- Up to 100 Amp backfed main breaker available with main lug chassis.
- Up to 225 Amp main breaker available with main breaker chassis.
- Factory installed ground and neutral bar as standard.

Standard Materials

- Bodies and covers: copperfree (4/10 of 1% max.) aluminum
- Cover bolts: Quad-Lead[®], captive, stainless steel
- Breaker operators: copperfree (4/10 of 1% max.) aluminum
- Hinges: stainless steel
- Bus bars: copper
- O-ring: neoprene

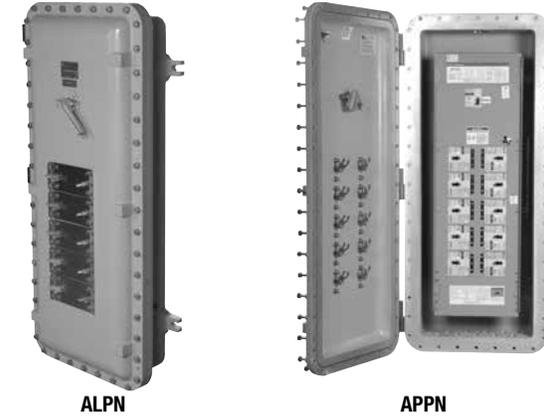
Standard Finishes

- Corrosion resistant gray epoxy powder coat to provide NEMA 4X rating

Options

Must be listed in alphanumeric sequence at the end of the catalog number.

- Panel Options
 - Breather, NEMA 4X, 7 and 9, add suffix —**BR**.
 - Drain, NEMA 4X, 7 and 9, add suffix —**DN**.
 - Phenolic nameplate (specify legend), add suffix —**NP**.
 - For +50 °C (+122 °F) breaker rating, add suffix —**V**.
- Main Breaker Options ALPN and APPN Only
 - Auxiliary switch (1A or 1B), add suffix —**AS1**.
 - Auxiliary switch (2A or 2B), add suffix —**AS2**.
 - Main breaker located at bottom, add suffix —**LB**.
 - Shunt trip (specify voltage), add suffix —**ST**.
 - Under voltage release (specify voltage), add suffix —**UV**.



AGPN shown with MB and INV options

- Branch Breaker Option ALPN and AGPN Only
 - Equipment Protection Devices (1- or 2-Pole -30 mA sensitivity) ⊕ add suffix —**EPD**.
 - Ground Fault Interrupter (1- or 2-Pole -5 mA sensitivity), ⊕ add suffix —**GFI**.
 - GFI Indicating Light, add suffix —**L5**.
- Branch Breaker Options APPN F-Frame Only
 - Auxiliary switch (1A or 1B), add suffix —**AS1**.
 - Auxiliary switch (2A or 2B), add suffix —**AS2**.
 - Shunt trip (specify voltage), add suffix —**ST**.
 - Under voltage release (specify voltage), add suffix —**UV**.

NEC Certifications and Compliances

- UL Standard: UL 1203
- UL Classified: E84577

⊕ GFI Push-to-Test Buttons are standard with GFI or EPD options.

+ Cutler-Hammer is a trademark of the Eaton Corporation.

AGPN Series Ground Fault Interrupting Distribution Panelboards

Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:

Class I, Division 1 and 2, Groups B, C, D

Class II, Division 1 and 2, Groups E, F, G

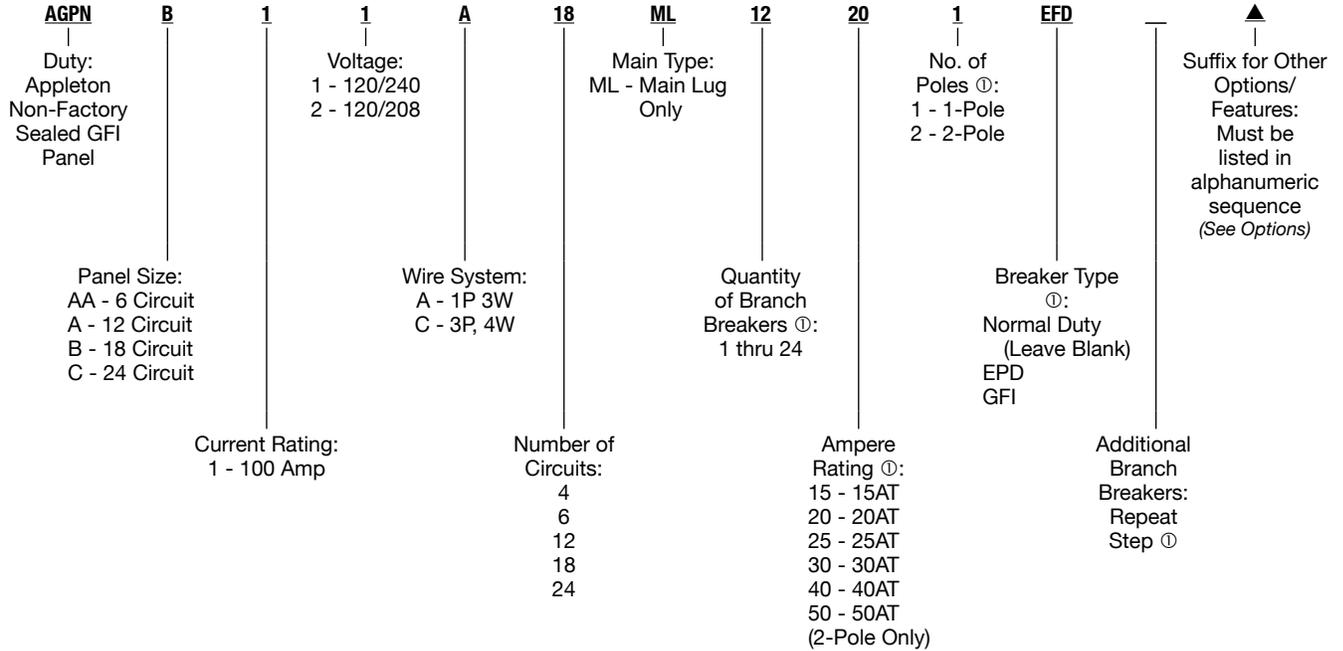
Class III

Class I, Zone 1, Group IIB +H₂

NEMA 4, 4X, 7BCD, 9EFG

Select branch breakers as desired in panel. First and second digits are the quantity of breakers, third and fourth digits are ampere rating, the fifth digit is number of poles. Example: An 18 circuit 120/240 V 1-phase 3-wire 100 Amp MLO panel with 12 1-pole 20 Amp 30 ma GFI and 3 2-pole 30 Amp 5 ma GFI branch breakers should read AGPNB11A18ML-12201EPD-03302GFI.

Catalog Numbering Guide

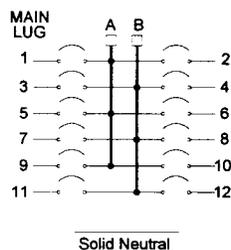


Number of Circuits	120/240 V 1-Phase 3-Wire	120/280 V 3-Phase 4-Wire	Panel Size	Approximate Weight kgs (lbs)
4	AGPNA11A04ML □	AGPNA12C04ML □	AA	13.61 (30)
6	AGPNA11A06ML □	AGPNA12C06ML □	AA	15.88 (35)
12	AGPNA11A12ML □	AGPNA12C12ML □	A	61.23 (135)
18	AGPNB11A18ML □	AGPNB12C18ML □	B	74.84 (165)
24	AGPNC11A24ML □	AGPNC12C24ML □	C	95.25 (210)

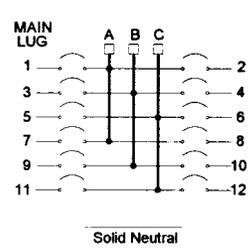
Note: For Back Fed main, replace last ML in part number with BF. For 100 Amp Main Breaker, contact your local representative. Standard interrupting capacity is 10,000 AIC. For higher interrupt ratings, contact your local representative.

Typical Panelboard Wiring Diagram

1-Phase, 3-Wire Systems



3-Phase, 4-Wire Systems



▲ To complete the catalog number please add the appropriate suffix for other options/features. These suffixes can be found under Options.

ALPN, AGPN and APPN Series Distribution Panelboards

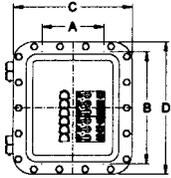
Explosionproof, Dust-Ignitionproof, Watertight, Non-Factory Sealed

NEC:
 Class I, Division 1 and 2, Groups B, C, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 Class I, Zone 1, Group IIB +H₂
 NEMA 4, 4X, 7BCD, 9EFG

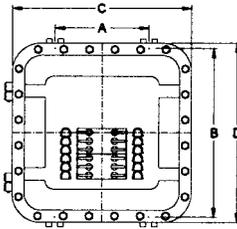
DISTRIBUTION EQUIPMENT: NEC/CEC HAZARDOUS LOCATION PANELBOARDS

AGPN Series Ground Fault Interrupting Distribution Panelboard and Mounting Hardware

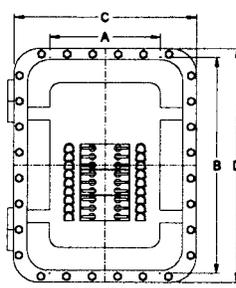
Panel AA – Front View



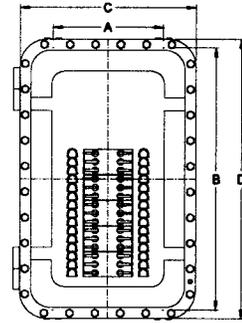
Panel A – Front View



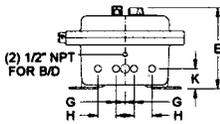
Panel B – Front View



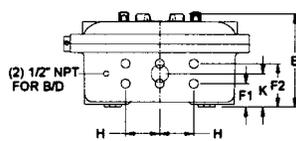
Panel C – Front View



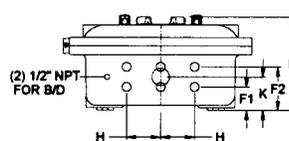
Panel AA – End View



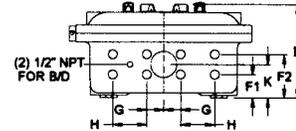
Panel A – End View



Panel B – End View



Panel C – End View



Panel Size	Mounting Dimensions in Millimeters (Inches)										Standard Top	Outlets Bottom	Mounting Hdw. Set
	A	B	C	D	E	F1	F2	G	H	K			
AA	184.1 (7.25)	333.5 (13.13)	352.5 (13.88)	393.7 (15.50)	242.8 (9.56)	60.4 (2.38)	—	26.9 (1.06)	54.1 (2.13)	60.4 (2.38)	1 - 25.4 (1.00)	4 - 19.0 (0.75)	AMH2
A	279.4 (11.00)	501.6 (19.75)	533.4 (21.00)	533.4 (21.00)	279.4 (11.00)	69.8 (2.75)	130.3 (5.13)	—	101.6 (4.00)	100.0 (3.94)	1 - 50.8 (2.00)	6 - 25.4 (1.00)	AMH8
B	330.2 (13.00)	641.3 (25.25)	544.5 (21.44)	693.6 (27.31)	279.4 (11.00)	69.8 (2.75)	130.3 (5.13)	—	101.6 (4.00)	100.0 (3.94)	1 - 50.8 (2.00)	6 - 25.4 (1.00)	AMH8
C	330.2 (13.00)	781.0 (30.75)	527.0 (20.75)	831.8 (32.75)	279.4 (11.00)	69.8 (2.75)	130.3 (5.13)	50.8 (2.00)	101.6 (4.00)	100.0 (3.94)	1 - 50.8 (2.00)	8 - 25.4 (1.00)	AMH8

Note: All outlets are NPT.