

XP Series Non-Factory Sealed Circuit Breaker Panelboards

Explosionproof, Dust-Ignitionproof

NEC/CEC:

Class I, Division 1 and 2, Groups B, C, D
Zone 1 and 2, Group IIB + H₂
Class II, Division 1 and 2, Groups E, F, G
Class III

CEC:

EMR Canada
Exd IIB, T6
CSA Type 3, 4, 7BCD, 9EFG, 12
CSA Optional Type 3R, 4X

Applications

- Protection and control of electrical apparatus and circuits in hazardous environments, either indoor or outdoor. Designed for Class I areas where flammable gases or vapors are present either continuously or intermittently or under abnormal circumstances.
- 240 Vac system is suitable for use with lighting or heat tracing circuits.

Features

- Exclusive rotary-slide circuit breaker operators have positive action and will align with breakers in ON or OFF position when cover is closed.
- Design allows breaker to be locked in ON or OFF position (one lock-off supplied with panel). Will not prevent breaker from tripping.
- Panelboard supplied with standard conduit entries. For conduit entries in other locations, contact your local representative.
- 240 Vac system has four sizes of panelboards available.
- Copper bus bars.
- Furnished with bolt on breakers.
- Removable hinged cover gives unobstructed access to interior. Left hand hinges are standard. Right hand hinges are available.
- Detailed circuit directory card is plainly visible for easy circuit identification.
- Main breaker is available, saving time and expense of installing a second enclosure.
- Installation is easy with keyhole mounting lugs to simplify mounting.

Standard Materials

- Enclosure and cover: copperfree (4/10 of 1%) aluminum
- Operator shafts, cover bolts and fasteners: stainless steel
- Operator knobs: aluminum alloy
- 240 Vac system standard branch circuit breakers: type BAB, 1-, 2- or 3-Pole. 10,000 rms. sym. Interrupting capacity up to 65,000 rms. sym. available. Contact your local representative
- 277/480Y, 347/600Y Vac system standard branch circuit breakers: type GHB or GBH, 1-, 2- or 3-Pole. 10,000 rms. sym. interrupting capacity
- 480/600 Vac system standard branch circuit breakers: type F-Frame, 1-, 2- or 3-Pole. 14,000 rms. sym. interrupting capacity. 600 Vac Max

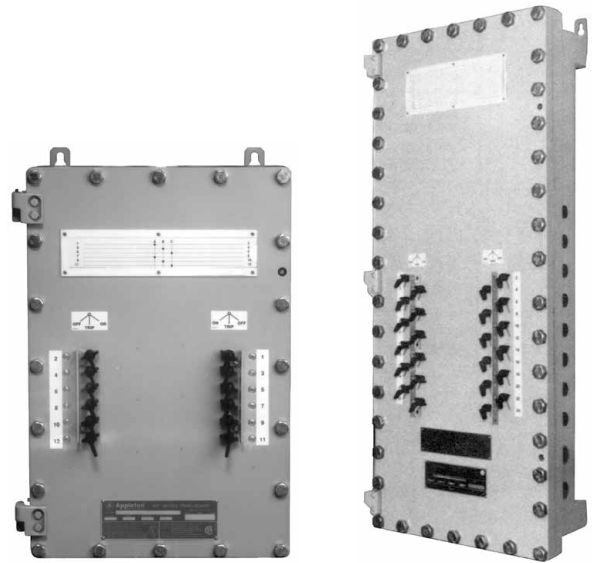
Standard Finish

- Enclosure and cover: gray baked epoxy

Options

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

- Panel Options
 - Drain and breather sets add suffix **-DV**.
 - Ferrous alloy, add suffix **-F**.
 - 5 ma GFI people protector (40 Amp Max., 1- or 2-Pole only), add suffix **-GF5**.
 - 30 mA EPD Equipment Protector (30 Amp Max., 1- or 2-Pole only), add suffix **-GF10**.
 - 30 mA With Alarm Circuit, add suffix **-GFA10**.
 - Grounded neutral lug, add suffix **-GNL**.
 - Heater c/w thermostat, add suffix **-HTR**.
 - Bottom feed, add suffix **-INV**.
 - Breaker ON-OFF indicator Light (LED), add suffix **-IL**.
 - Operator cover, add suffix **-OC**.
 - Cover hinge on right hand side, add suffix **-RH**.



240 Vac

347/600 Vac

- CSA type 4X enclosure, add suffix **-4X**.
- For 50 °C (122 °F) breaker rating, add suffix **-V**.
- For dc rating contact your local representative.

- Main Breaker Options
 - 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**.
- Breaker Options
 - Equipment protection devices, 1-pole 40 Amp max. adn 2-pole 50 Amp max. (1- or 2-Pole -30 mA sensitivity) add suffix **-EPD**.
 - Ground fault interrupter, 1-pole 40 Amp max. adn 2-pole 50 Amp max. (1- or 2-Pole -5 mA sensitivity) circuit breakers add suffix **-GFI** (available on all circuit positions).
 - For breakers for use in HID lighting applications, add suffix **-HID**.
 - Factory installed main breaker, maximum 100 Amp. Two main breakers are permitted as individual over current protective device on the supply side in accordance with NEC Section 408.36 (Exception 2). Add suffix **-MB** for each main breaker. Main circuit breaker occupies branch breaker spaces.

NEC/CEC Certifications and Compliances

- UL Standard: UL 1203
- UL Listed: E77137
- CSA Standard: C22.2 No. 25, C22.2 No. 29, C22. No. 30
- CSA Certified: 039199

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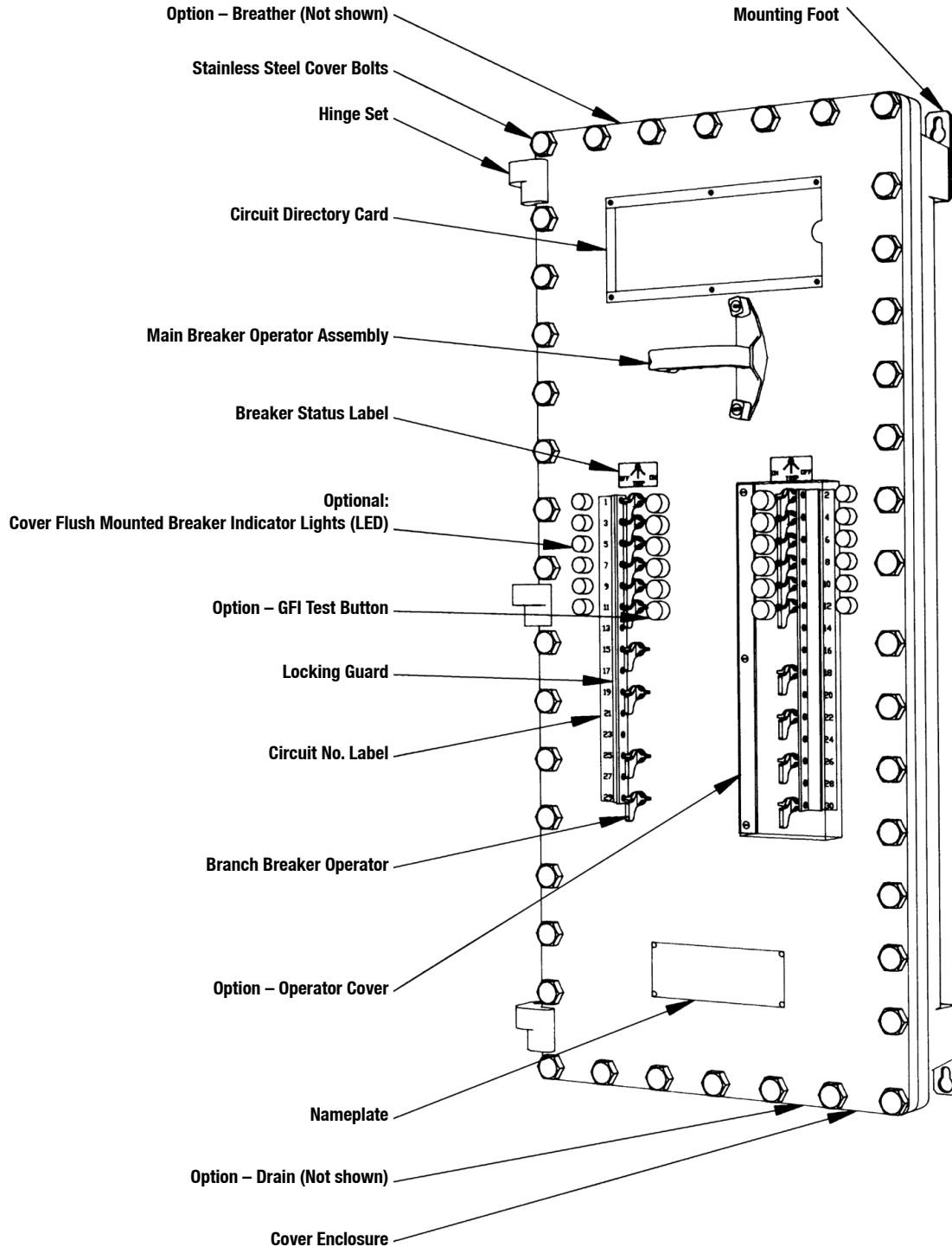
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DISTRIBUTION EQUIPMENT: NEC/CEC HAZARDOUS LOCATION PANELBOARDS

Illustrated Features



Appleton

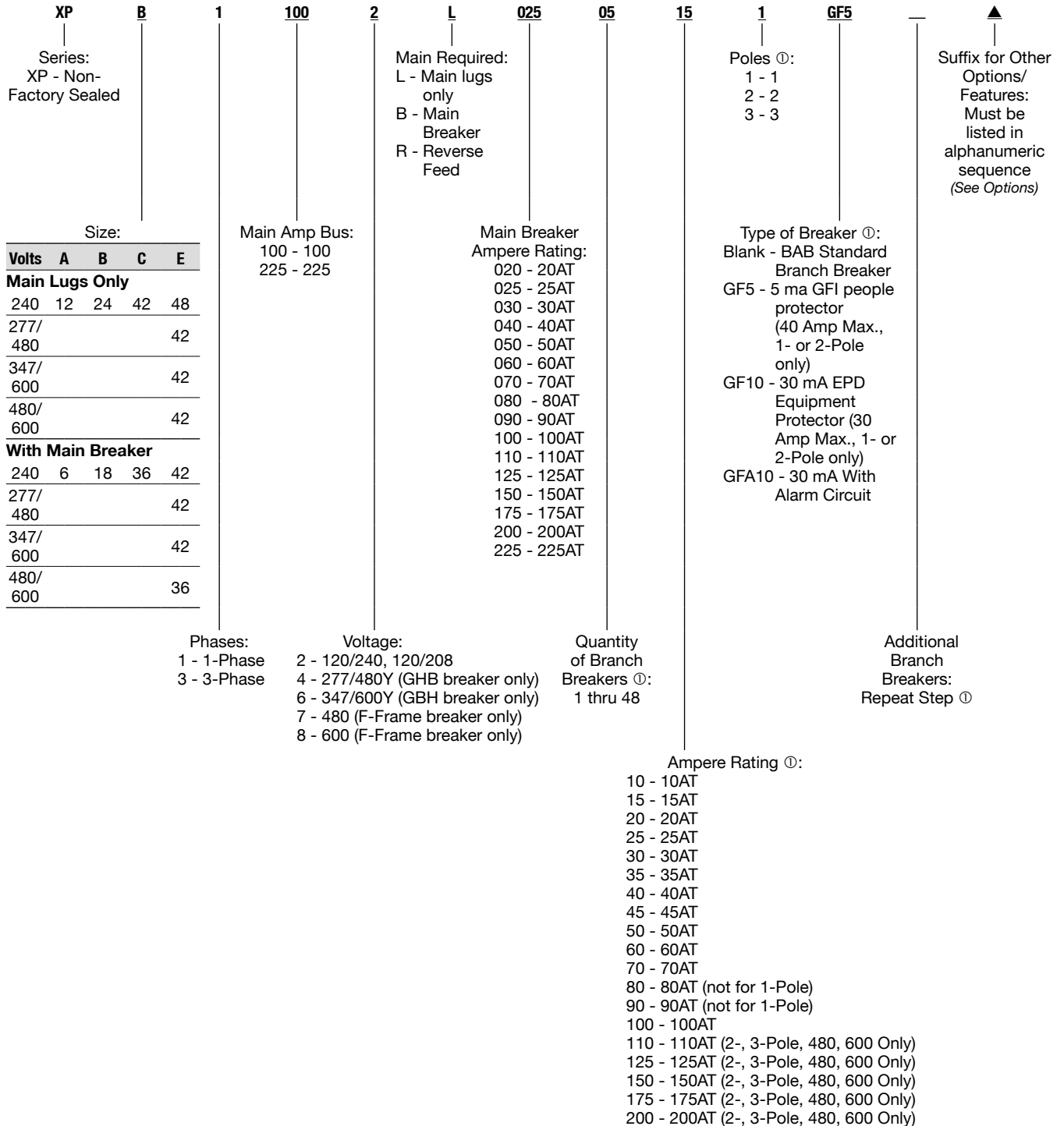
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Catalog Numbering Guide



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Max. No. of Circuits ①	Panel Size	1-Phase 120/240 Vac		3-Phase 120/208 Vac	
		100 Amps	225 Amps	100 Amps	225 Amps
Main Lugs Only					
12	A	XPA11002L	XPA12252L	XPA31002L	XPA32252L
24	B	XPB11002L	XPB12252L	XPB31002L	XPB32252L
42	C	XPC11002L	XPC12252L	XPC31002L	XPC32252L
48	E	XPE11002L	XPE12252L	XPE31002L	XPE32252L
Main Breaker Panelboard					
9	A	XPA11002B	XPA12252B	XPA31002B	XPA32252B
12	B	XPB11002B	XPB12252B	XPB31002B	XPB32252B
36	C	XPC11002B	XPC12252B	XPC31002B	XPC32252B
42	E	XPE11002B	XPE12252B	XPE31002B	XPE32252B

Reverse Feed Main Breaker Panelboard

Max. No. of Circuits ①	Panel Size	100 Amps	
		1-Phase 120/240 Vac	3-Phase 120/208 Vac
12	A	XPA11002R	XPA31002R
24	B	XPB11002R	XPB31002R
42	C	XPC11002R	XPC31002R
48	E	XPE11002R	XPE31002R

Main Breaker ②

4-pole main breaker available, contact your local representative.

	Suffix	Amp Rating	Breaker Type	Amps I.R./240 Vac Max.
Standard Breaker	05	50		
	07	70	FDB	18,000
	10	100		
	17	175		
	20	200	FD	65,000
	22	225		
Reversed Breaker	05	50		
	07	70	BAB	10,000
	10	100		

① 18 and 30 circuit panelboards available. Contact your local representative.

② Other Main Breaker Ampere ratings available. Contact your local representative.

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Max. No. of Circuits ①	Panel Size	3-Phase 277/480 Vac, GHB Only		3-Phase 347/600 Vac, GBH Only	
		100 Amps	225 Amps	100 Amps	225 Amps
Main Lugs Only — 3 Phase, 4 Wire					
42	E	XPE31004L	XPE32254L	XPE31006L	XPE32256L
Main Breaker Panelboard — 3 Phase, 4 Wire					
42	E	XPE31004B	XPE32254B	XPE31006B	XPE32256B

Max. No. of Circuits ①	Panel Size	3-Phase 480 Vac, F-Frame Only		3-Phase 600 Vac, F-Frame Only	
		100 Amps	225 Amps	100 Amps	225 Amps
Main Lugs Only — 3 Phase, 3 Wire					
42	E	XPE31007L	XPE32257L	XPE31008L	XPE32258L
Main Breaker Panelboard — 3 Phase, 3 Wire					
36	E	XPE31007B	XPE32257B	XPE31008B	XPE32258B

Main Breaker ②

	Suffix	Amp Rating	Breaker Type
Standard Breaker	05	50	FDB
	07	70	
	10	100	
	15	150	FD
	17	175	
	20	200	
	22	225	

① 12, 24 and 30 circuit panelboards available. Contact your local representative.

② Other Main Breaker Ampere ratings available. Contact your local representative.

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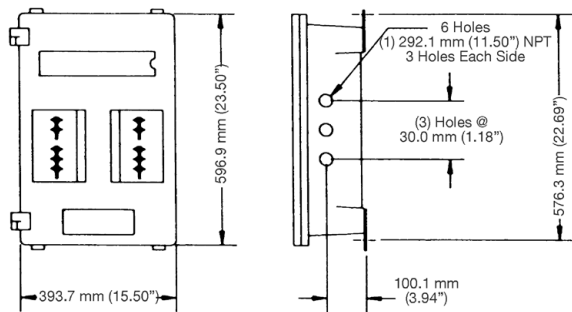
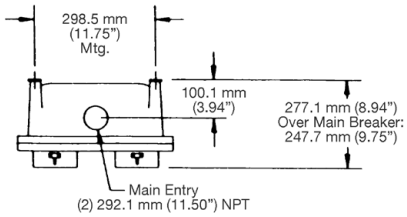
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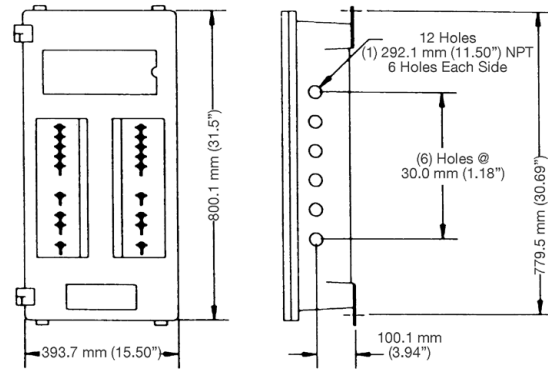
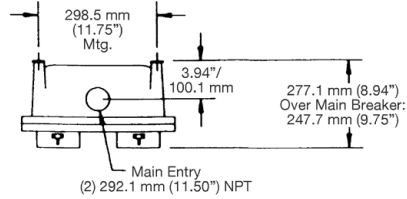
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Dimensions in Millimeters (Inches)

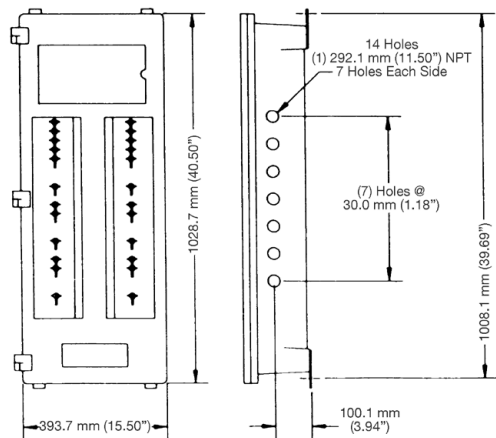
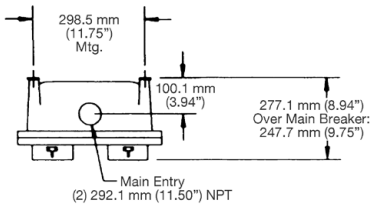
XPA — GHB and GBH



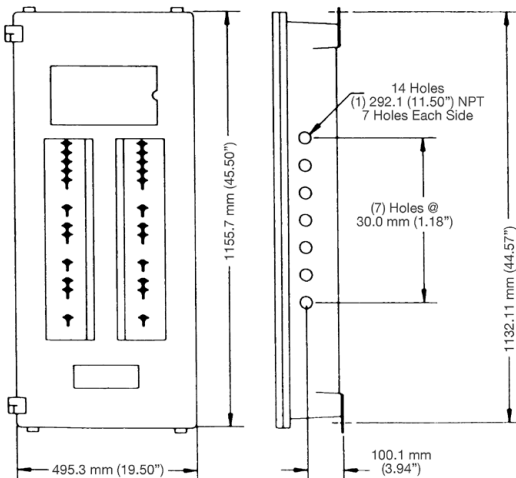
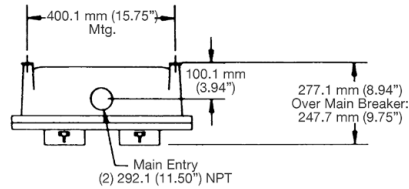
KPB — GHB and GBH



XPC — GHB and GBH



XPE — GHB and GBH



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