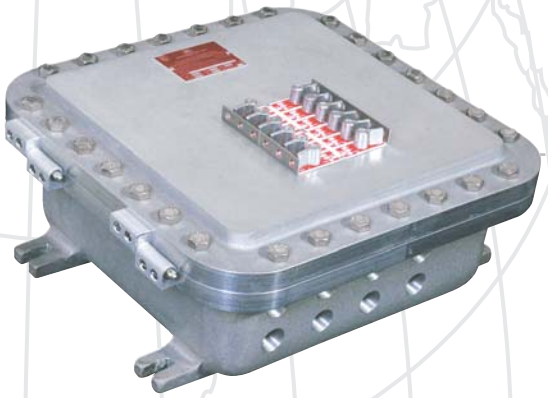
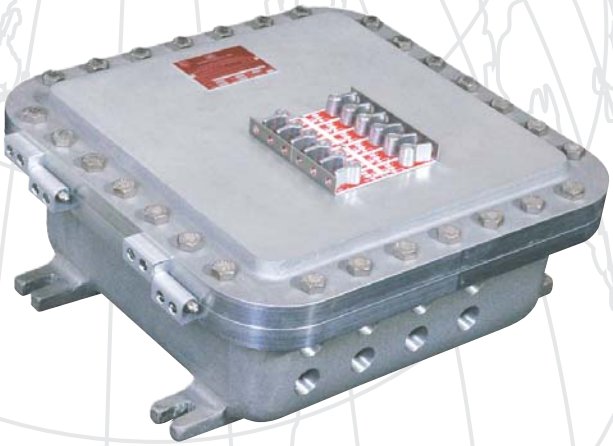


Explosion-Proof Lighting & Power Distribution
Panel Board Series
XPBA - XPBB - XPBC - XPBD - XPBE

"This is an excellent solution for your industrial Panel Board applications. Our highly-involved engineering and sales staff get the job done."



Features:

Non-Factory Sealed / Flat Cover Design

100 Amp Main Lug Only / 225 Amp Main Lug Only

100 Amp Main Breaker / 225 Amp Main Breaker

Circuit Breaker Handles Standard

Standard Conduit Entries

XPPB Close-up Plug for C10 handle conduit entries (optional)

"R3" Close-up Plugs for C1 & C2 - 3/4" NPSM entries (optional)

Breather & Drain Standard

Available with or without interiors / chassis

10 KAIC Enclosure Ratings

NEMA 4 O-Ring Gasket for outdoor / wash-down applications

1 or 3 Phases Standard

Top or bottom feed panel availability

Branch handles pad-lockable in "on" or "off" position

All Breaker Handles are spring-loaded

GFI Breakers available

Consult Factory for: External Epoxy Coating / Custom Designs

N7 Phenolic Plate and E8 Custom mounting bracket standard

Spare plugs and handles available upon request for future use

Applications:

Hazardous such as:

- Petroleum Refineries or Plants
- Wastewater Treatment Facilities
- Areas where harsh gases, chemicals, or vapors are present

Used to control lighting, heating or motor circuit application using a circuit system

Protect against short circuits and to provide a means for disconnects

Indoor & outdoor applications are applicable

Materials:

Body & Cover: Copper-Free Cast Aluminum (less than 0.25% copper content)

Std. Electrical Components: Cutler Hammer Panels

Cover Bolts: E3 Stainless Steel Triple Lead Captive Quick Thread Bolts (Std.)

Hinges: Aluminum with Stainless Steel Hardware

Breaker Handles: Copper-Free Cast Aluminum

NEMA 4 O-Ring: Buna-N (Standard)

Breather / Drain (BD): 2BD Stainless Steel (Std.)

Certificate Number 03.059.1 ISO 9001 With Design

Approvals:

UL - Standard 1203 - No. E139669

cUL - Standard C22.2 - No. 30-M1986 & No. 25-1966

Compliances:

CL. I, Div. 1 & 2 Groups B, C & D

CL. II, Div. 1 & 2 Groups E, F & G

CL. III

NEMA 3, 4X, 7 & 9

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100A MAIN LUG

BRANCH CIRCUITS — RAIL LENGTH

BAB	1Ph3W 120/240V MLO 10KAIC	3Ph4W 120/208V MLO 10KAIC		ENCLOSURE SIZE
12	XPBA-12100-L21P	XPBA-12100-L33P	13	16 x 16 x 6
18	XPBB-18100-L21P	XPBB-18100-L33P	19" (H07)	16 x 24 x 6
24	XPBC-24100-L21P	XPBC-24100-L33P	25" (H01)	16 x 30 x 6
30	XPBD-30100-L21P	XPBD-30100-L3P	31" (H06)	16 x 36 x 6
36	XPBD-36100-L21P	XPBD-36100-L33P	31" (H06)	16 x 36 x 6
		3Ph4W 277/480V MLO 14KAIC		
12		XPBA-12100-L43P	13	16 x 16 x 6
18		XPBB-18100-L43P	19" (H07)	16 x 24 x 6
24		XPBC-24100-L43P	25" (H01)	16 x 30 x 6
30		XPBD-30100-L43P	31" (H06)	16 x 36 x 6
36		XPBD-36100-L43P	31" (H06)	16 x 36 x 6

225A MAIN LUG

BRANCH CIRCUITS — RAIL LENGTH

BAB	1Ph3W 120/240V MLO 10KAIC	3Ph4W 120/208V MLO 10KAIC		ENCLOSURE SIZE
18	XPBC-18225-L21P	XPBC-18225-L33P	25" (H01)	16 x 30 x 6
24	XPBD-24225-L21P	XPBD-24225-L33P	31" (H06)	16 x 36 x 6
30	XPBD-30100-L21P	XPBD-30100-L33P	31" (H06)	16 x 36 x 6
36	XPBE-36100-L21P	XPBE-36100-L33P	37" (H02)	16 x 42 x 6
42	XPBE-42100-L21P	XPBE-42100-L33P	37" (H02)	16 x 42 x 6
		3Ph4W 277/480V MLO 14KAIC		
18		XPBC-18225-L43P	25" (H01)	16 x 30 x 6
24		XPBD-24225-L43P	31" (H06)	16 x 36 x 6
30		XPBD-30100-L43P	31" (H06)	16 x 36 x 6
36		XPBE-36100-L43P	37" (H02)	16 x 42 x 6
42		XPBE-42100-L43P	37" (H02)	16 x 42 x 6

100A MAIN BREAKER

BRANCH CIRCUITS — RAIL LENGTH

BAB	1Ph3W 120/240V MLO 10KAIC	3Ph4W 120/208V MLO 10KAIC		ENCLOSURE SIZE
12	XPBB-12100-M21P	XPBB-12100-M33P	19" (H07)	16 x 24 x 6
18	XPBC-18100-M21P	XPBC-18100-M33P	25" (H01)	16 x 30 x 6
24	XPBD-24100-M21P	XPBD-24100-M33P	31" (H06)	16 x 36 x 6
30	XPBD-30100-M21P	XPBD-30100-M33P	31" (H06)	16 x 36 x 6
36	XPBE-36100-M21P	XPBE-36100-M33P	37" (H02)	16 x 42 x 6
		3Ph4W 277/480V MLO 14KAIC		
12		XPBC-12100-M43P	25" (H01)	16 x 30 x 6
18		XPBC-18100-M43P	25" (H01)	16 x 30 x 6
24		XPBD-24100-M43P	31" (H06)	16 x 36 x 6
30		XPBD-30100-M43P	31" (H06)	16 x 36 x 6
36		XPBE-36100-M43P	37" (H02)	16 x 42 x 6

225A MAIN BREAKER

BRANCH CIRCUITS — RAIL LENGTH

BAB	1Ph3W 120/240V MLO 10KAIC	3Ph4W 120/208V MLO 10KAIC		ENCLOSURE SIZE
12	XPBB-12225-M21P	XPBB-12225-M33P	19" (H07)	16 x 24 x 6
18	XPBC-18225-M21P	XPBC-18225-M33P	25" (H01)	16 x 30 x 6
24	XPBD-24225-M21P	XPBD-24225-M33P	31" (H06)	16 x 36 x 6
30	XPBD-30225-M21P	XPBD-30225-M3P	31" (H06)	16 x 36 x 6
36	XPBE-36225-M21P	XPBE-36225-M33P	37" (H02)	16 x 42 x 6
		3Ph4W 277/480V MLO 14KAIC		
18		XPBC-18225-M43P	25" (H01)	16 x 30 x 6
24		XPBD-24225-M43P	31" (H06)	16 x 36 x 6
30		XPBD-30225-M43P	31" (H06)	16 x 36 x 6
36		XPBE-36225-M43P	37" (H02)	16 x 42 x 6
42		XPBE-42225-M43P	37" (H02)	16 x 42 x 6

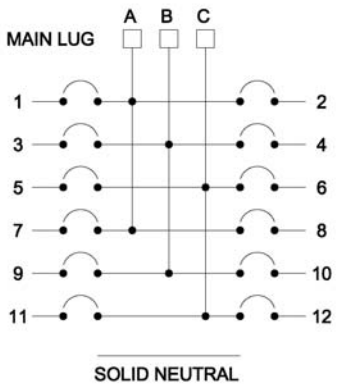
Sample Part Number

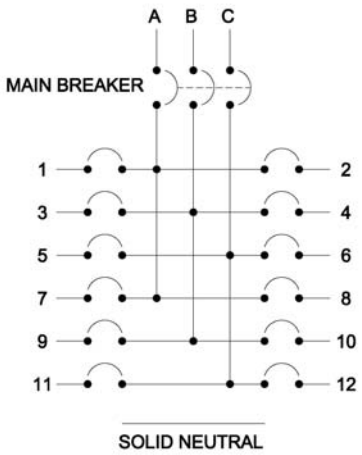
XPB* - AA BBB - C D EE

* = Panel Size
AA = Number of Circuits
BBB = Amp
C = MLO (L) for MB(M)
D = Voltage(2=120/240), (3=120/208), (4=480)
EE = Number of Phases

TYPICAL PANELBOARD WIRING DIAGRAM

THREE-PHASE, 4-WIRE SYSTEMS





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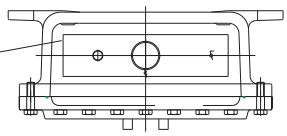
"XPBA"

Specifications

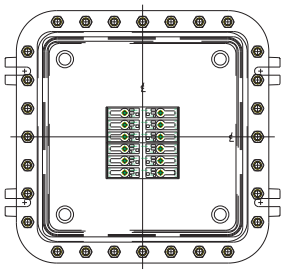
XPBA- 12 100 - L 2 1P - 10 12 2
a b c d e f g h i



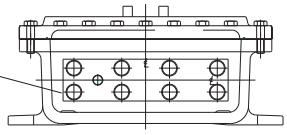
EXAMPLE:
12 CIRCUIT, 120/240V, 1 PHASE, 3 WIRE, 100A MLO
WITH 6 SINGLE POLE 20A, 3 TWO POLE 25A BREAKERS WILL BE
XPBA-12100-L21P-06201-032502G

Note: Repeat g, h & i as necessary for different size breakers

NOTES:
- STANDARD HOLES ON THE COVER FOR BREAKER HANDLES
- ONE C10 HANDLE WILL BE SUPPLIED FOR EACH BRANCH BREAKER
- UNUSED HOLES ON THE COVER WILL BE PLUGGED USING XP PLUGS
- ADD "G" AT THE END OF FIVE DIGIT (g, h & i) NUMBER FOR GFI BREAKERS (Only for C10 - opt. adder)
- ONLY CUTLER-HAMMER PANELS WILL BE INSTALLED
- ENCLOSURE IS UL/cUL
- XMPLB - EXTERNAL RESET STANDARD WITH GFCI
- N7 - PHENOLIC NAMEPLATE & E8 - CUSTOM MOUNTING BRACKET STANDARD



CXJ16166-FC



STANDARD CONDUIT ENTRIES:
TOP - (1) 1/2" NPT, (1) 2" NPT
BOTTOM - (1) 1/2" NPT, (8) 1" NPT

a = Enclosure Size

Code	Description
XPBA	CXJ16166-FC-H2-N4-E3-*C10-2BD-2RP1-8RP3

* - Specify # of C10 Circuit Breaker Handles

b = Number of Circuits

Code	Description
12	12 Circuits (Std. for XPBA)

c = MLO Amps

Code	Description
100A	100 Amps (Std. for XPBA)

d = Main Lug Only

Code	Description
L	MLO - Main Lug Only (Std. for XPBA)

e = Voltage

Code	Description
2	120/240
3	120/208
4	277/480

f = Number of Phases

Code	Description
1P	1 Phase
3P	3 Phase

g = Number of Breakers

Code	Description
1 through 12	1 to 12 breakers possible

* Number of breakers cannot be greater than number of circuits

h = Amps of Branch Breakers

Code	Description
NOTE:	Specify AMP requirement

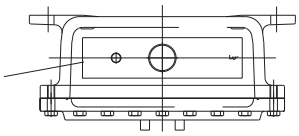
i = Number of Poles of Branch Breakers

Code	Description
1	1
2	2
3	3

"XPBB"

Specifications

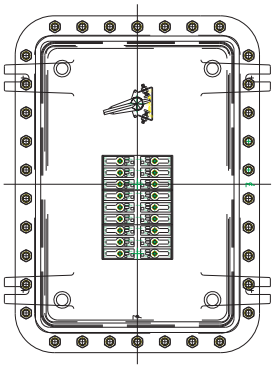
XPBB- 12 100 - L 2 1P - 10 20 2
a b c d e f g h i



EXAMPLE:
12 CIRCUIT, 120/240V, 1 PHASE, 3 WIRE, 100A MLO
WITH 6 SINGLE POLE 20A, 3 TWO POLE 25A BREAKERS WILL BE
XPBB-12100-L21P-06201-032502G

Note: Repeat g, h & i as necessary for different size breakers

NOTES:
- STANDARD HOLES ON THE COVER FOR BREAKER HANDLES
- ONE C10 HANDLE WILL BE SUPPLIED FOR EACH BRANCH BREAKER
- UNUSED HOLES ON THE COVER WILL BE PLUGGED USING XP PLUGS
- ADD "G" AT THE END OF FIVE DIGIT (g, h & i) NUMBER FOR GFI BREAKERS (Only for C10 - opt. adder)
- ONLY CUTLER-HAMMER PANELS WILL BE INSTALLED
- ENCLOSURE IS UL/cUL
- XMPLB - EXTERNAL RESET STANDARD WITH GFCI
- N7 - PHENOLIC NAMEPLATE & E8 - CUSTOM MOUNTING BRACKET STANDARD

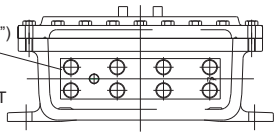


CXJ16246-FC

a = Enclosure Size

Code	Description
XPBB	CXJ16246-FC-H2-N4-E3-C*-**C10-2BD-2RP1-8RP3

* - For 100 Amps = "C1" CB Handle, Greater than 100 Amps = "C2" CB Handle
** - Specify # of C10 Circuit Breaker Handles



b = Number of Circuits

Code	Description
12	12 Circuits for Main Breaker
18	18 Circuits for MLO

c = MCB or MLO Amps

Code	Description
100A	100 Amps for MCB or MLO
225A	225 Amps for MCB

d = Main Lug Only

Code	Description
L	MLO - Main Lug Only
M	MCB - Main Circuit Breaker

e = Voltage

Code	Description
2	120/240
3	120/208
4	277/480

f = Number of Phases

Code	Description
1P	1 Phase
3P	3 Phase

g = Number of Breakers

Code	Description
1 through 18 (MLO)	1 to 18 breakers possible
1 through 12 (MCB)	1 to 12 breakers possible

* Number of breakers cannot be greater than number of circuits

h = Amps of Branch Breakers

Code	Description
NOTE:	Specify AMP Requirement

i = Number of Poles of Branch Breakers

Code	Description
1	1
2	2
3	3

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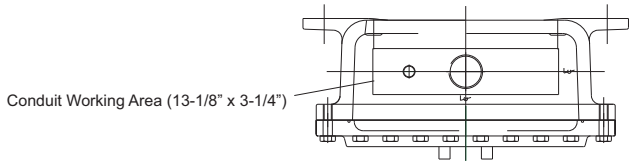
"XPBC"

Specifications

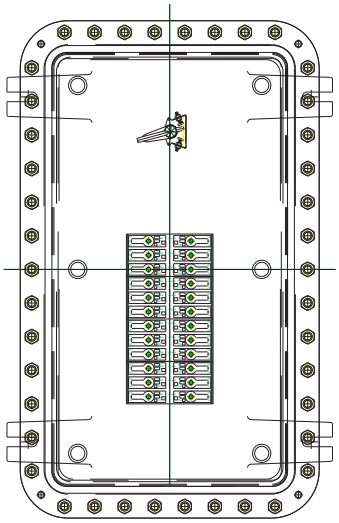
XPBC- 12 100 - L 2 1P - 10 20 2
a b c d e f g h i



EXAMPLE:
12 CIRCUIT, 120/240V, 1 PHASE, 3 WIRE, 100A MLO
WITH 6 SINGLE POLE 20A, 3 TWO POLE 25A BREAKERS WILL BE
XPBC-12100-L21P-06201-032502G

Note: Repeat g, h & i as necessary for different size breakers

NOTES:
- STANDARD HOLES ON THE COVER FOR BREAKER HANDLES
- ONE C10 HANDLE WILL BE SUPPLIED FOR EACH BRANCH BREAKER
- UNUSED HOLES ON THE COVER WILL BE PLUGGED USING XP PLUGS
- ADD "G" AT THE END OF FIVE DIGIT (g, h & i) NUMBER FOR GFI BREAKERS (Only for C10 - opt. adder)
- ONLY CUTLER-HAMMER PANELS WILL BE INSTALLED
- ENCLOSURE IS UL/cUL
- XMPLB - EXTERNAL RESET STANDARD WITH GFCI
- N7 - PHENOLIC NAMEPLATE & E8 - CUSTOM MOUNTING BRACKET STANDARD



CXJ16306-FC

a = Enclosure Size

Code	Description
XPBC	CXJ16306-FC-H2-N4-E3-C*-**C10-2BD-2RP1-8RP3

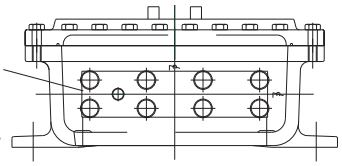
* - For 100 Amps = "C1" CB Handle, Greater than 100 Amps = "C2" CB Handle
** - Specify # of C10 Circuit Breaker Handles

b = Number of Circuits

Code	Description
12	12 Circuits for Main Breaker
18	18 Circuits for MLO / MCB
24	24 Circuits for MLO

c = MCB or MLO Amps

Code	Description
100A	100 Amps for MCB or MLO
225A	225 Amps for MCB or MLO



STANDARD CONDUIT ENTRIES:
TOP - (1) 1/2" NPT, (1) 2" NPT
BOTTOM - (1) 1/2" NPT, (8) 1" NPT

d = Main Lug Only

Code	Description
L	MLO - Main Lug Only
M	MCB - Main Circuit Breaker

e = Voltage

Code	Description
2	120/240
3	120/208
4	277/480

f = Number of Phases

Code	Description
1P	1 Phase
3P	3 Phase

g = Number of Breakers

Code	Description
1 through 18 (MCB)	1 to 18 breakers possible
1 through 24 (MLO)	1 to 24 breakers possible

* Number of breakers cannot be greater than number of circuits

h = Amps of Branch Breakers

Code	Description
NOTE:	Specify AMP Requirement

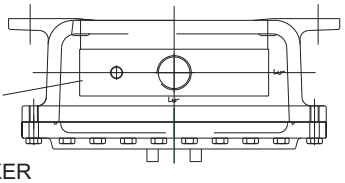
i = Number of Poles of Branch Breakers

Code	Description
1	1
2	2
3	3

"XPBD"

Specifications

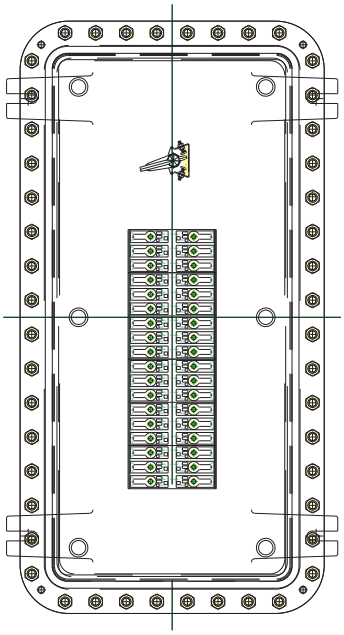
XPBD- 24 100 - L 2 1P - 10 20 2
a b c d e f g h i



EXAMPLE:
12 CIRCUIT, 120/240V, 1 PHASE, 3 WIRE, 100A MLO WITH 6 SINGLE POLE 20A, 3 TWO POLE 25A BREAKERS WILL BE:
XPBD-12100-L21P-06201-032502G

Note: Repeat g, h & i as necessary for different size breakers

NOTES:
- STANDARD HOLES ON THE COVER FOR BREAKER HANDLES
- ONE C10 HANDLE WILL BE SUPPLIED FOR EACH BRANCH BREAKER
- UNUSED HOLES ON THE COVER WILL BE PLUGGED USING XP PLUGS
- ADD "G" AT THE END OF FIVE DIGIT (g, h & i) NUMBER FOR GFI BREAKERS (Only for C10 - opt. adder)
- ONLY CUTLER-HAMMER PANELS WILL BE INSTALLED
- ENCLOSURE IS UL/cUL
- XMPLB - EXTERNAL RESET STANDARD WITH GFCI
- N7 - PHENOLIC NAMEPLATE & E8 - CUSTOM MOUNTING BRACKET STANDARD



CXJ16366-FC

a = Enclosure Size

Code	Description
XPBD	CXJ16366-FC-3H2-N4-E3-C*-**C10-2BD-2RP1-8RP3

* - For 100 Amps = "C1" CB Handle, Greater than 100 Amps = "C2" CB Handle
** - Specify # of C10 Circuit Breaker Handles

b = Number of Circuits

Code	Description
24	24 Circuits for MCB or MLO
30	30 Circuits for MCB or MLO
36	36 Circuits for MLO

c = MCB or MLO Amps

Code	Description
100A	100 Amps for MCB or MLO
225A	225 Amps for MCB or MLO

d = Main Lug Only

Code	Description
L	MLO - Main Lug Only
M	MCB - Main Circuit Breaker

e = Voltage

Code	Description
2	120/240
3	120/208
4	277/480

f = Number of Phases

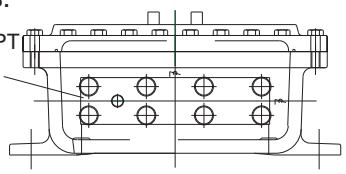
Code	Description
1P	1 Phase
3P	3 Phase

g = Number of Breakers

Code	Description
1 through 30 (MCB)	1 to 30 breakers possible
1 through 36 (MLO)	1 to 36 breakers possible

* Number of breakers cannot be greater than number of circuits

STANDARD CONDUIT ENTRIES:
TOP - (1) 1/2" NPT, (1) 2" NPT
BOTTOM - (1) 1/2" NPT, (8) 1" NPT



h = Amps of Branch Breakers

Code	Description
NOTE:	Specify AMP Requirement

i = Number of Poles of Branch Breakers

Code	Description
1	1
2	2
3	3

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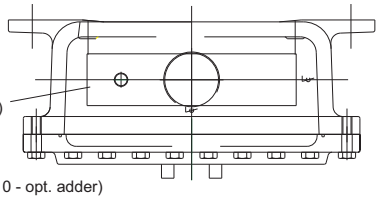
"XPBE"

Specifications

XPBE- 36 100 - L 2 1P - 10 20 2
s b c d e f g h i



EXAMPLE:
12 CIRCUIT, 120/240V, 1 PHASE, 3 WIRE, 100A MLO
WITH 6 SINGLE POLE 20A, 3 TWO POLE 25A BREAKERS WILL BE
XPBD-12100-L21P-06201-032502G

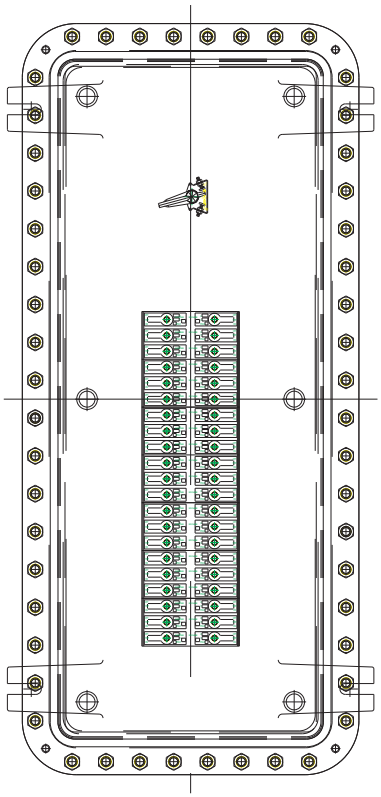
Note: Repeat g, h & i as necessary for different size breakers

NOTES:
- STANDARD HOLES ON THE COVER FOR BREAKER HANDLES
- ONE C10 HANDLE WILL BE SUPPLIED FOR EACH BRANCH BREAKER
- UNUSED HOLES ON THE COVER WILL BE PLUGGED USING XP PLUGS
- ADD "G" AT THE END OF FIVE DIGIT (g, h & i) NUMBER FOR GFI BREAKERS (Only for C10 - opt. adder)
- ONLY CUTLER-HAMMER PANELS WILL BE INSTALLED
- ENCLOSURE IS UL/cUL
- XMPLB - EXTERNAL RESET STANDARD WITH GFCI
- N7 - PHENOLIC NAMEPLATE & E8 - CUSTOM MOUNTING BRACKET STANDARD

a = Enclosure Size

Code	Description
XPBE	CXJ16426-FC-3H2-N4-E3-C*-**C10-2BD-2RP1-10RP3

* - For 100 Amps = "C1" CB Handle, Greater than 100 Amps = "C2" CB Handle
** - Specify # of C10 Circuit Breaker Handles



CXJ16426-FC

b = Number of Circuits

Code	Description
36	36 Circuits for MCB or MLO
42	42 Circuits for MLO

c = MCB or MLO Amps

Code	Description
100A	100 Amps for MCB
225A	225 Amps for MCB or MLO

d = Main Lug Only

Code	Description
L	MLO - Main Lug Only
M	MCB - Main Circuit Breaker

e = Voltage

Code	Description
2	120/240
3	120/208
4	277/480

f = Number of Phases

Code	Description
1P	1 Phase
3P	3 Phase

g = Number of Breakers

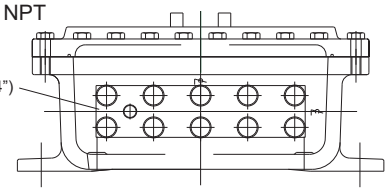
Code	Description
1 through 36 (MCB)	1 to 36 breakers possible
1 through 42 (MLO)	1 to 42 breakers possible

* Number of breakers cannot be greater than number of circuits

h = Amps of Branch Breakers

Code	Description
NOTE:	Specify AMP Requirement

STANDARD CONDUIT ENTRIES:
Top - (1) 1/2" NPT, (1) 3" NPT
Bottom - (1) 1/2" NPT, (10) 1" NPT



i = Number of Poles of Branch Breakers

Code	Description
1	1
2	2
3	3