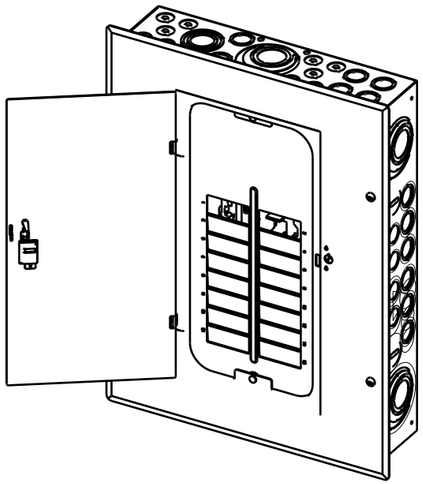
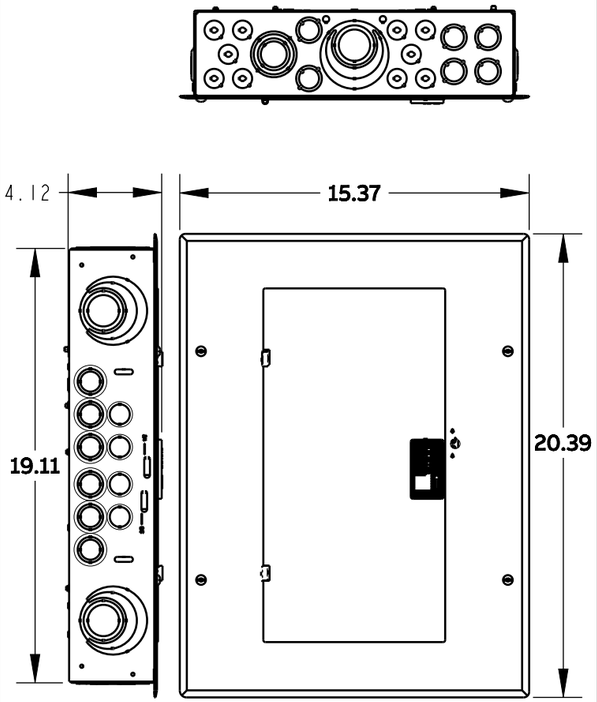
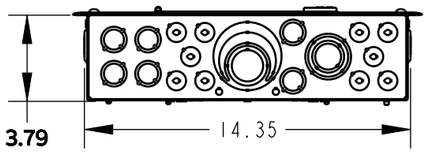
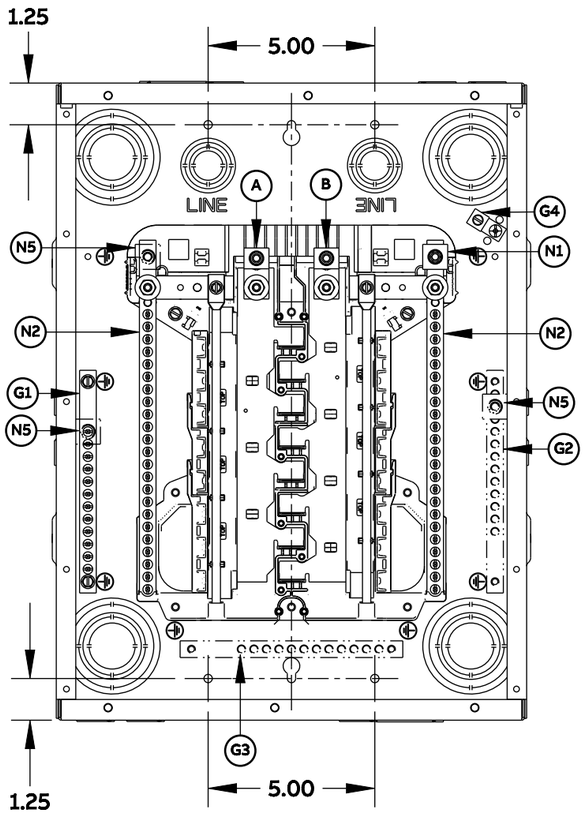
CATALOG	PALC1612 PALC1612W









SPECIFICATION

Service Voltage	120/240V AC, 1 Phase 3 Wire 208Y/120V AC, 1 Phase 3 Wire
Panelboard Amperage	125A Maximum
Short- Circuit Current Rating	100kA @ 240V AC Maximum
Rated Frequency	60Hz
Enclosure Rating	Indoor (Type 1 - UL50E)
Main Device	Lug
Main Device Rating	125A Maximum
Busbar Rating and Material	225A Aluminum
Branch Circuit Breaker Rating	125A Maximum
Sum of Circuit Breaker Rating	125A Maximum per Stab
Number of Spaces	16 Spaces Maximum
Number of Circuits	32 Circuits Maximum
Standard Listing	CSA 22.2, UL67 (E21790)
For bottom feed, rotate the entire device by 180°.	
SUITABLE FOR USE AS SERVICE EQUIPMENT	

REPLACEMENT / ACCESSORIES KIT

TQLFP1	1" Front Filler plates	--
PTHQLRK2	Circuit Breaker Hold-down kit END	1TQC163000Z0114
PTHQLRK1	Circuit Breaker Hold-down kit	1TQC163000Z0113
PD60	Circuit Directory	1TQC163000Z0115
THP100	Padlocking - THQL	--
THP100E	Padlocking - AFCI/GFCI	--
THQLSURGE2	Type 1 plug-on SPD	--
--	--	--
--	--	--
PFALC1612	Front Replacement Kit (Grey)	--
PFALC1612W	Front Replacement Kit (White)	--
TDL106	Door Lock Kit	--
PLTCHGR	Door Handle Gray	1TQC163000Z0116
--	--	--
--	--	--
THLK2125	Subfeed Lug Kit - 125A, 2Pole	--
PHDWRKIT	P-Series Hardware Kit	1TQC163000Z0123
--	--	--
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TORQUE

Terminal#	Terminal Name	Installed/ Cat.Number	Wire Size	Drive	Torque LB-IN
A & B	Main Lug	Installed	(1) #6-2/0 Cu/Al	Internal Hex	120
N1	Neutral Lug	Installed	(1) #6-2/0 Cu/Al	Internal Hex	120
N2	Neutral Bar	Installed	See Below for Table 1		
N3	Neutral Bar	N/A			
N4	Neutral Bar	N/A			
G1	Ground Bar	Installed			
G2	Ground Bar	TGK12/ TGK24			
G3	Ground Bar	TGK12			
G4	Ground Lug	Installed	(1) #14 – 4	Slotted	40
C & D	Feed Thru Lug	N/A	N/A	N/A	N/A
N5	Ground/ Neutral Lug	TNLK20	(1) #6-2/0 Cu/AL	Internal Hex	120
		TNLK250	(1) #1-300 Cu/AL	Internal Hex	200
S	Bonding Screw	N/A	N/A	Slotted/ Robertson	40

When used as service equipment,
all unused neutral terminals may be used for equipment ground conductors.

Table 1 : GROUND/NEUTRAL Bar Terminal
Wire size (AWG/KCMIL) & Torque

Conductor for Ground/Neutral Bar Terminal

Solid		Stranded		Drive	Torque Lb-in
CU	AL	CU	AL		
(1) 14	-	(1) 14	-	Slotted/ Robertson	15
-	(1) 12	-	(1) 12		15
(1) 12	-	(1) 12	-		20
(1) 10		(1) 10			20
-	-	(1) 8		Robertson	40
-	-	(1) 6-4			45

Multiple Conductor for Ground/Neutral Bar Terminal

(1) 10 & (1) 12		-	-	Slotted/ Robertson	30
(1) 10 & (1) 14	-	(1) 10 & (1) 14	-		30
(2) 10 & (1) 14	-	-	-		30
(1) 12 & (1) 14	-	-	-		30
-	(2) 10 & (1) 12	-	(2) 10 & (1) 12		30

KNOCKOUTS

1"-1.25"-1.5"-2"-2.5"	1"-1.25" - 1.5" - 2"	0.75"-1"-1.25"-1.5"	0.5"- 0.75"- 1"	0.5"-0.75"	0.5"	0.281"
X6	X4	X2	X2	X24	X28	X4

ABB | ReliaHome™ P - Series

DRAWING NUMBER	Rev	Units
1TQC163300E0064	D	Inches