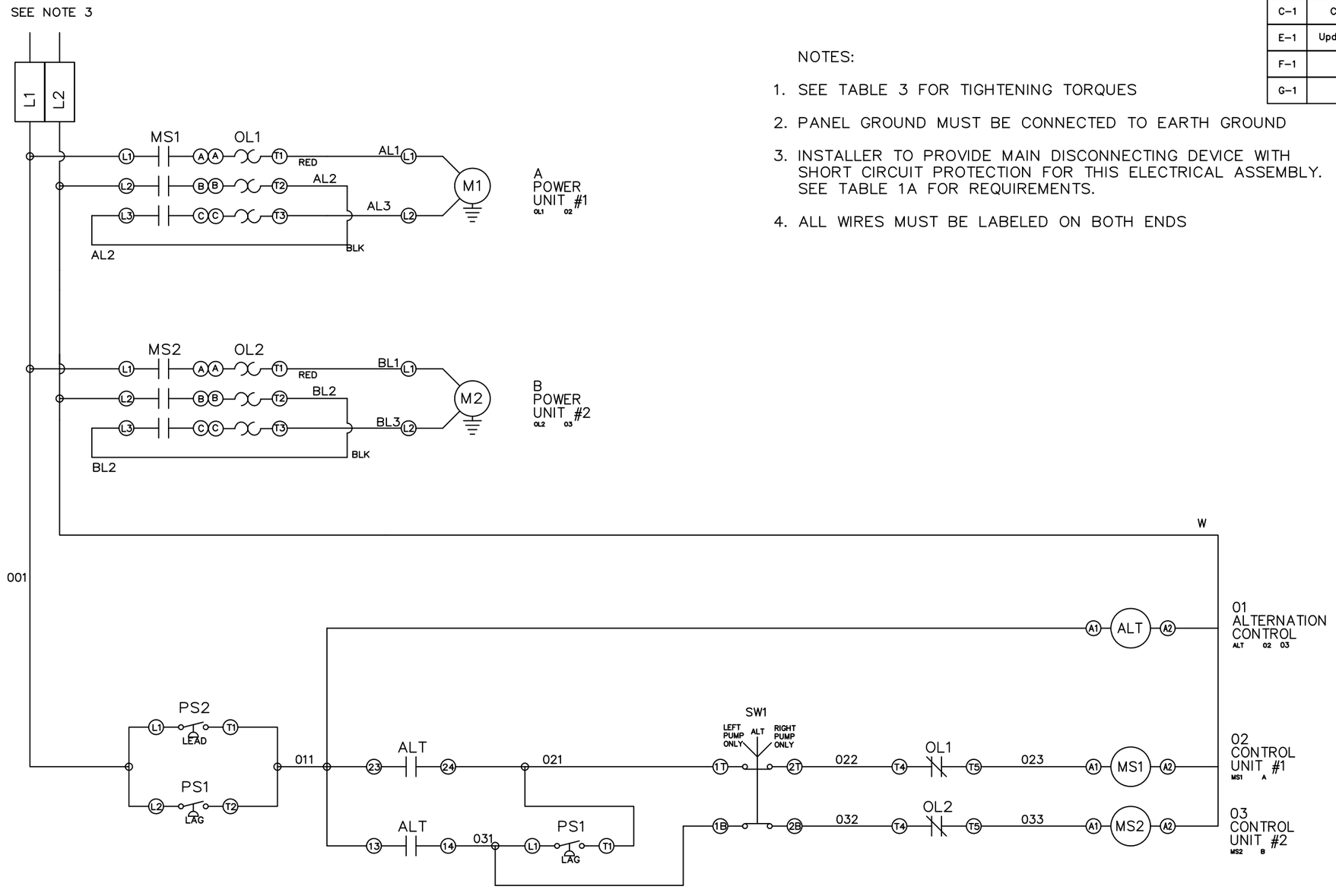
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/16/22	PXEC0525	VAG	KMD
C-1	CHANGED P-CKT GAUGE & COIL TERMINALS	10/10/23	PXEC0559	VAG	VAG
E-1	Updated 115V 1PH to include a 3 phase starter	5/19/25	PXEC0668	JA	GR
F-1	UPDATED 208V MOTOR DATA	9/23/25	PXEC0668	MJV	MJV
G-1	UPDATED 460V/3P 1HP MOTOR DATA	5/1/26	PXEC0731	JA	GR



NOTES:

1. SEE TABLE 3 FOR TIGHTENING TORQUES
2. PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
3. INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE WITH SHORT CIRCUIT PROTECTION FOR THIS ELECTRICAL ASSEMBLY. SEE TABLE 1A FOR REQUIREMENTS.
4. ALL WIRES MUST BE LABELED ON BOTH ENDS

TABLE 3
TERMINAL TIGHT. TORQUES

COMPONENT	TERMINAL	TIGHTENING TORQUE (LB-IN)
MS1 & MS2	L1	20
	L2	
	A	
	C	
	A1	6
	A2	6
OL1 & OL2	A	20
	C	
	T1	
	T2	
	T4	6
	T5	6
PS1 & PS2	ALL	20
ALT	ALL	20
SW1	ALL	20

OPTIONAL:

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-699	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	700-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	14AWG	GREEN
CUSTOMER SUPPLY	01-99	16AWG	YELLOW

POWEREX

150 PRODUCTION DRIVE HARRISON, OHIO 45030
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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
VAG	KMD	KMD
09/16/22	09/16/22	09/16/22

PANEL TYPE

CLIMATE CTRL DUPLEX
1PH 115V

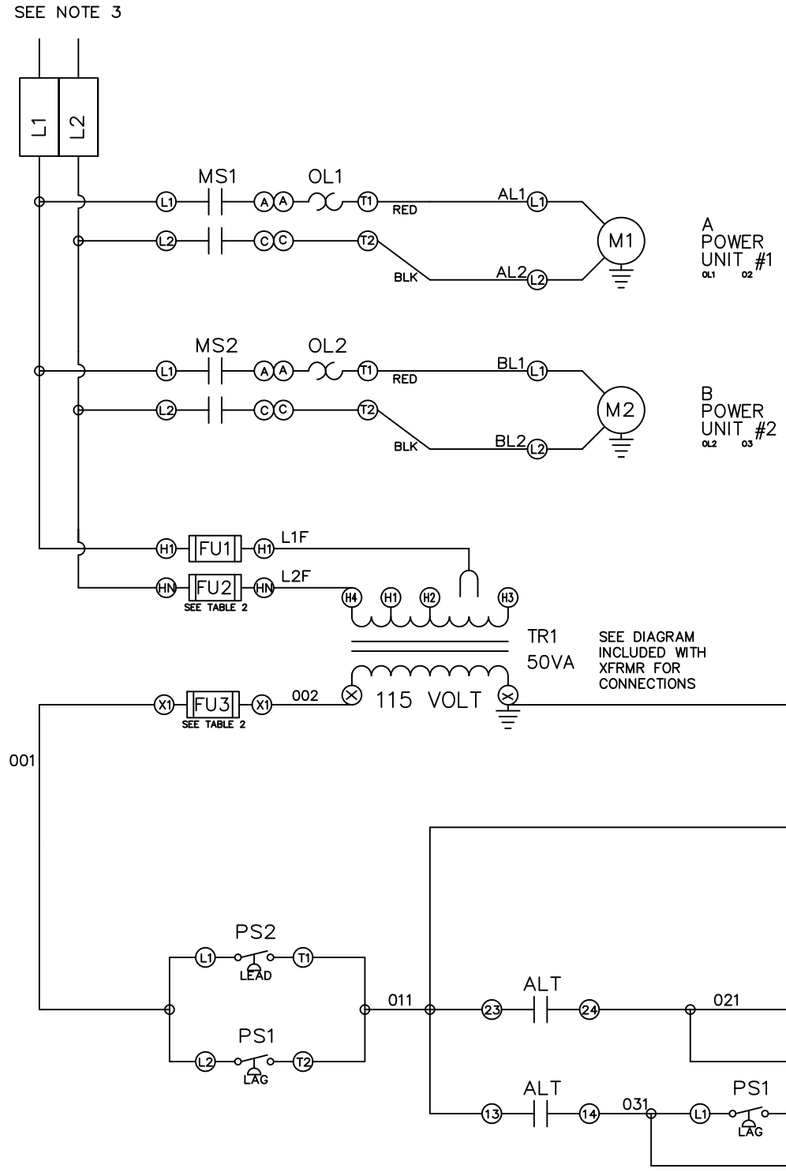
DWG. TYPE WIRING

DWG. NO.

PCI-200

SHEET 1 OF 3

SIZE B



NOTES:

1. SEE TABLE 3 FOR TIGHTENING TORQUES
2. PANEL GROUND MUST BE CONNECTED TO EARTH GROUND
3. INSTALLER TO PROVIDE MAIN DISCONNECTING DEVICE WITH SHORT CIRCUIT PROTECTION FOR THIS ELECTRICAL ASSEMBLY. SEE TABLE 1B FOR SIZING INFORMATION.
4. ALL WIRES MUST BE LABELED ON BOTH ENDS
5. TRANSFORMER IS SIZED FOR LOADS SHOWN ON DRAWING ONLY. DO NOT CONNECT ANY OTHER DEVICES

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/16/22	PXEC0525	VAG	KMD
C-1	CHANGED P-CKT GAUGE & COIL TERMINALS	10/10/23	PXEC0559	VAG	VAG
E-1	Updated 115V 1PH to include a 3 phase starter	5/19/25	PXEC0668	JA	GR
F-1	UPDATED 208V MOTOR DATA	9/23/25	PXEC0668	MJV	MJV
G-1	UPDATED 460V/3P 1HP MOTOR DATA	5/1/26	PXEC0731	JA	GR

TABLE 3
TERMINAL TIGHT. TORQUES

COMPONENT	TERMINAL	TIGHTENING TORQUE (LB-IN)
MS1 & MS2	L1	20
	L2	
	A	
	C	
	A1	6
	A2	6
OL1 & OL2	A	20
	C	
	T1	
	T2	
	T4	6
	T5	6
PS1 & PS2	ALL	20
ALT	ALL	20
SW1	ALL	20
TR1	ALL	20

OPTIONAL:

TABLE 2
CONTROL TRANSFORMER – 50VA

	FUSE TYPE	208V	230V	460V
FU1 & FU2	FNQR	0.5A	0.5A	0.25A
FU3	FNM	0.5A	0.5A	0.5A

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-699	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	700-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	–	14AWG	GREEN
CUSTOMER SUPPLY	01-99	16AWG	YELLOW

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
VAG	KMD	KMD
09/16/22	09/16/22	09/16/22

PANEL TYPE
CLIMATE CTRL DUPLEX
1PH 208V/230V

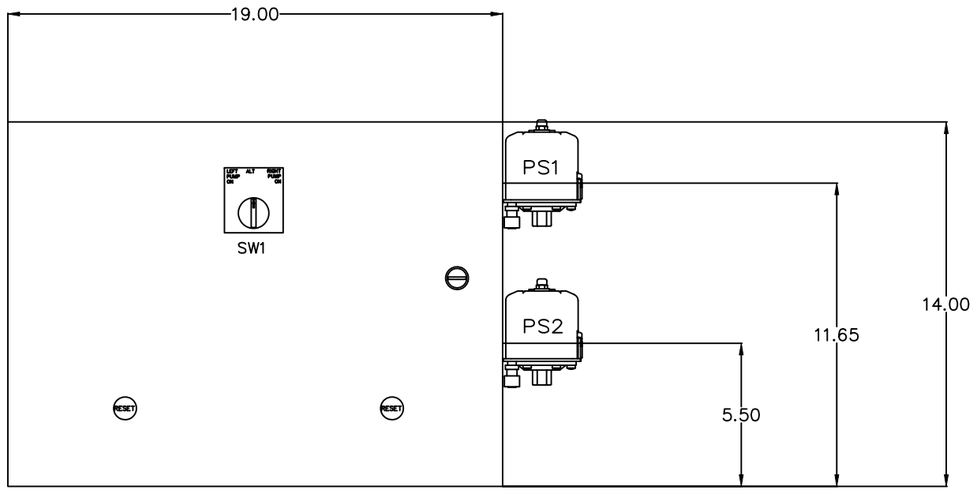
DWG. TYPE WIRING

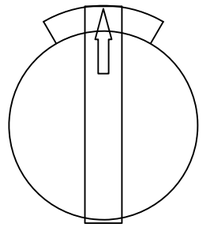
DWG. NO.
PCI-200

SHEET 1 OF 3

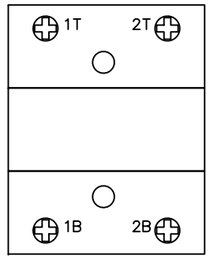
SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/16/22	PXEC0525	VAG	KMD
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E-1	Updated 115V 1PH to include a 3 phase starter	5/19/25	PXEC0668	JA	GR
F-1	UPDATED 208V MOTOR DATA	9/23/25	PXEC0668	MJV	MJV
G-1	UPDATED 460V/3P 1HP MOTOR DATA	5/1/26	PXEC0731	JA	GR

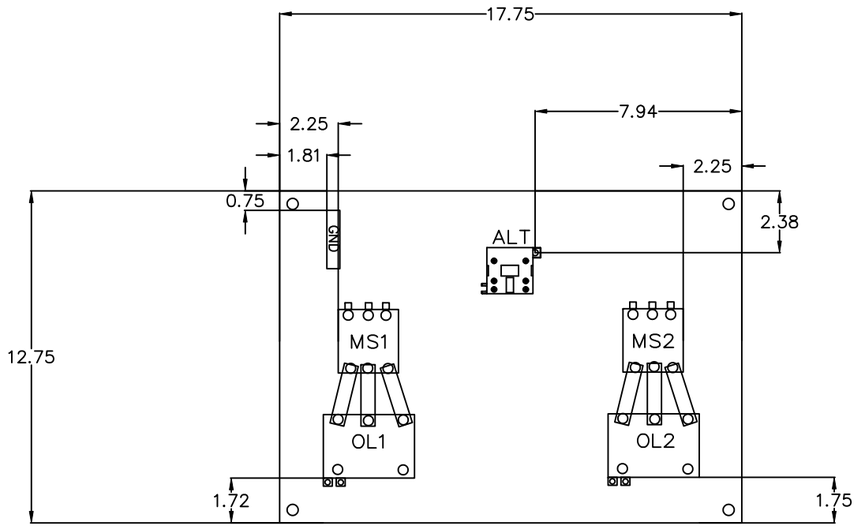


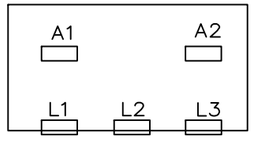


UPON REMOVING THE SWITCH'S KNOB, THERE WILL BE A WHITE INTERNAL PIECE WITH A NOTCH. ENSURE THE ARROW ON THE SWITCH'S KNOB AND THE WHITE INTERNAL NOTCH LINE UP.

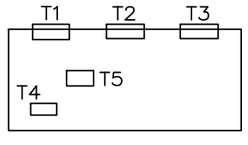


ENSURE SWITCH CONTACT BLOCKS ARE STACKED AND ORIENTED ON THE INSIDE OF PANEL DOOR AS SHOWN ABOVE. NOTE THE TERMINAL REFERENCES.





TOP OF MS1 & MS2 TERMINAL REFERENCES



BOTTOM OF OL1 & OL2 TERMINAL REFERENCES

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
VAG	KMD	KMD
09/16/22	09/16/22	09/16/22

PANEL TYPE

CLIMATE CTRL DUPLEX
1PH 115V

DWG. TYPE LAYOUT

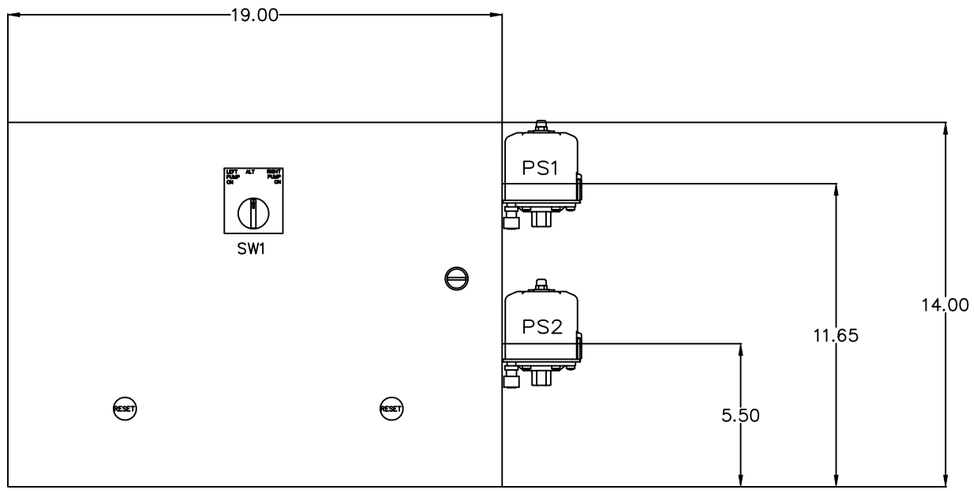
DWG. NO.

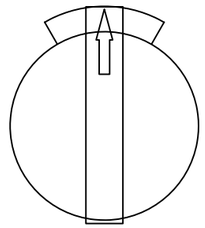
PCI-200

SHEET 2 OF 3

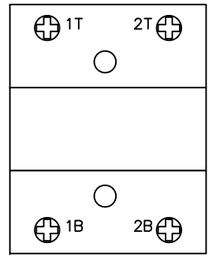
SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/16/22	PXEC0525	VAG	KMD
C-1	CHANGED P-CKT GAUGE & COIL TERMINALS	10/10/23	PXEC0559	VAG	VAG
E-1	Updated 115V 1PH to include a 3 phase starter	5/19/25	PXEC0668	JA	GR
F-1	UPDATED 208V MOTOR DATA	9/23/25	PXEC0668	MJV	MJV
G-1	UPDATED 460V/3P 1HP MOTOR DATA	5/1/26	PXEC0731	JA	GR

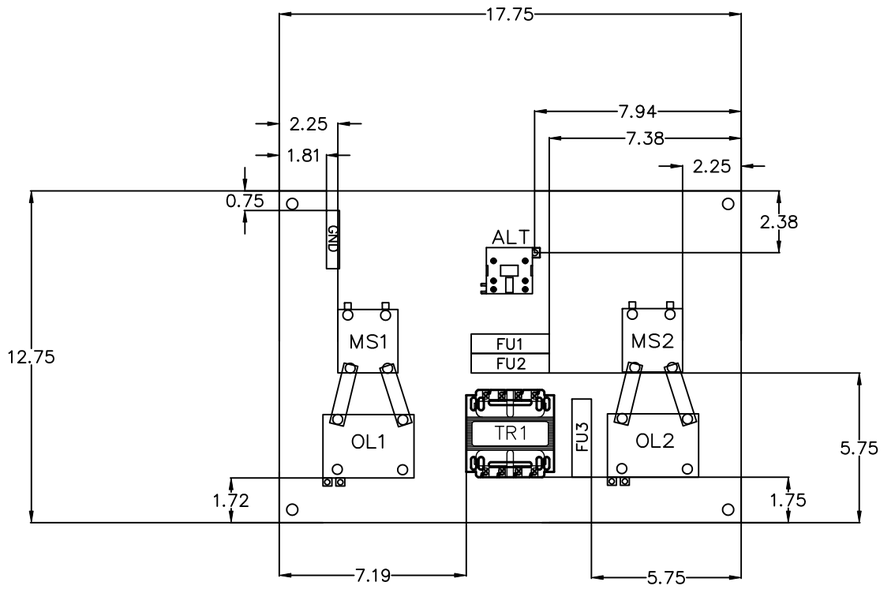


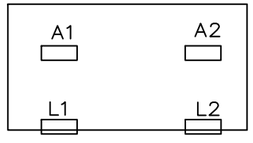


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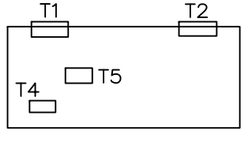


ENSURE SWITCH CONTACT BLOCKS ARE STACKED AND ORIENTED ON THE INSIDE OF PANEL DOOR AS SHOWN ABOVE. NOTE THE TERMINAL REFERENCES.





TOP OF MS1 & MS2 TERMINAL REFERENCES



BOTTOM OF OL1 & OL2 TERMINAL REFERENCES

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
VAG	KMD	KMD
09/16/22	09/16/22	09/16/22

PANEL TYPE

CLIMATE CTRL DUPLEX
1PH 208V/230V

DWG. TYPE LAYOUT

DWG. NO.

PCI-200

SHEET 2 OF 3

SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	09/16/22	PXEC0525	VAG	KMD
C-1	CHANGED P-CKT GAUGE & COIL TERMINALS	10/10/23	PXEC0559	VAG	VAG
E-1	Updated 115V 1PH to include a 3 phase starter	5/19/25	PXEC0668	JA	GR
F-1	UPDATED 208V MOTOR DATA	9/23/25	PXEC0668	MJV	MJV
G-1	UPDATED 460V/3P 1HP MOTOR DATA	5/1/26	PXEC0731	JA	GR

TABLE 1A
PANEL DATA 1ø – 60 Hz

(A) LOAD SPECIFCATIONS						(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	MOTOR SIZE EA	POWER (V/PH)	MOTOR	MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)	NONTIME DELAY FUSE (A)	TIME–DELAY FUSE (A)	INVERSE–TIME CIRCUIT BREAKER (A)
–01AJ	1	115V/1ø	MC304700AV	8.80	18.6	40	30	35
–05AJ	1	208V/1ø	MC304700AV	4.40	9.8	20	15	20
–06AJ	1	230V/1ø	MC304700AV	4.30	9.6	20	15	20
NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE								

TABLE 1B
PANEL DATA 3ø – 60 Hz

(A) LOAD SPECIFCATIONS						(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	MOTOR SIZE EA	POWER (V/PH)	MOTOR	MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)	NONTIME DELAY FUSE (A)	TIME–DELAY FUSE (A)	INVERSE–TIME CIRCUIT BREAKER (A)
–02AJ	1	208V/3ø	MC304702AV	3.50	7.0	15	15	15
–03AJ	1	230V/3ø	MC301512AV	3.00	7.0	15	15	15
–04AJ	1	460V/3ø	MC301512AV	1.60	3.3	10	10	10
–22AJ	2	208V/3ø	MC304601AV	5.57	11.1	25	20	20
–23AJ	2	230V/3ø	MC034501AV	5.38	11.8	25	20	25
–24AJ	2	460V/3ø	MC034501AV	2.69	6.4	15	10	15
–32AJ	3	208V/3ø	MC304237AV	8.80	17.8	40	25	35
–33AJ	3	230V/3ø	MC304201AV	7.72	16.4	35	25	30
–34AJ	3	460V/3ø	MC304201AV	3.86	8.7	20	15	20
–52AJ	5	208V/3ø	MC304229AV	14.6	29.2	60	45	60
–53AJ	5	230V/3ø	MC304203AV	12.70	26.4	55	40	50
–54AJ	5	460V/3ø	MC304203AV	6.33	13.7	30	20	25
–72AJ	7.5	208V/3ø	MC304608AV	21.30	42.6	90	60	80
–73AJ	7.5	230V/3ø	MC304208AV	18.50	38.0	80	55	70
–74AJ	7.5	460V/3ø	MC304208AV	9.25	19.5	40	30	35
NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE								

OPTIONAL:

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
VAG	KMD	KMD
09/16/22	09/16/22	09/16/22

PANEL TYPE
CLIMATE CTRL DUPLEX

DWG. TYPE DATA

DWG. NO.
PCI–200

SHEET 3 OF 3

SIZE B