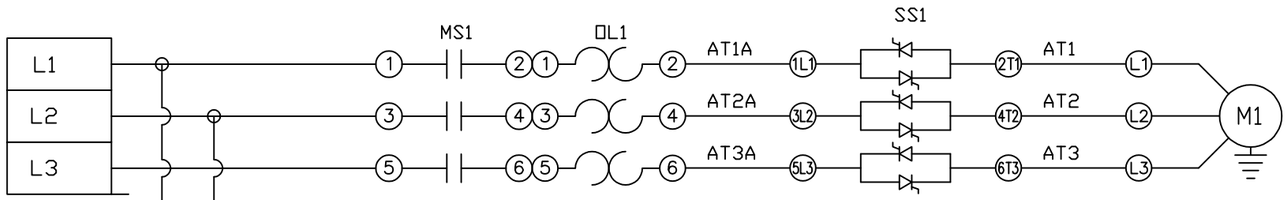
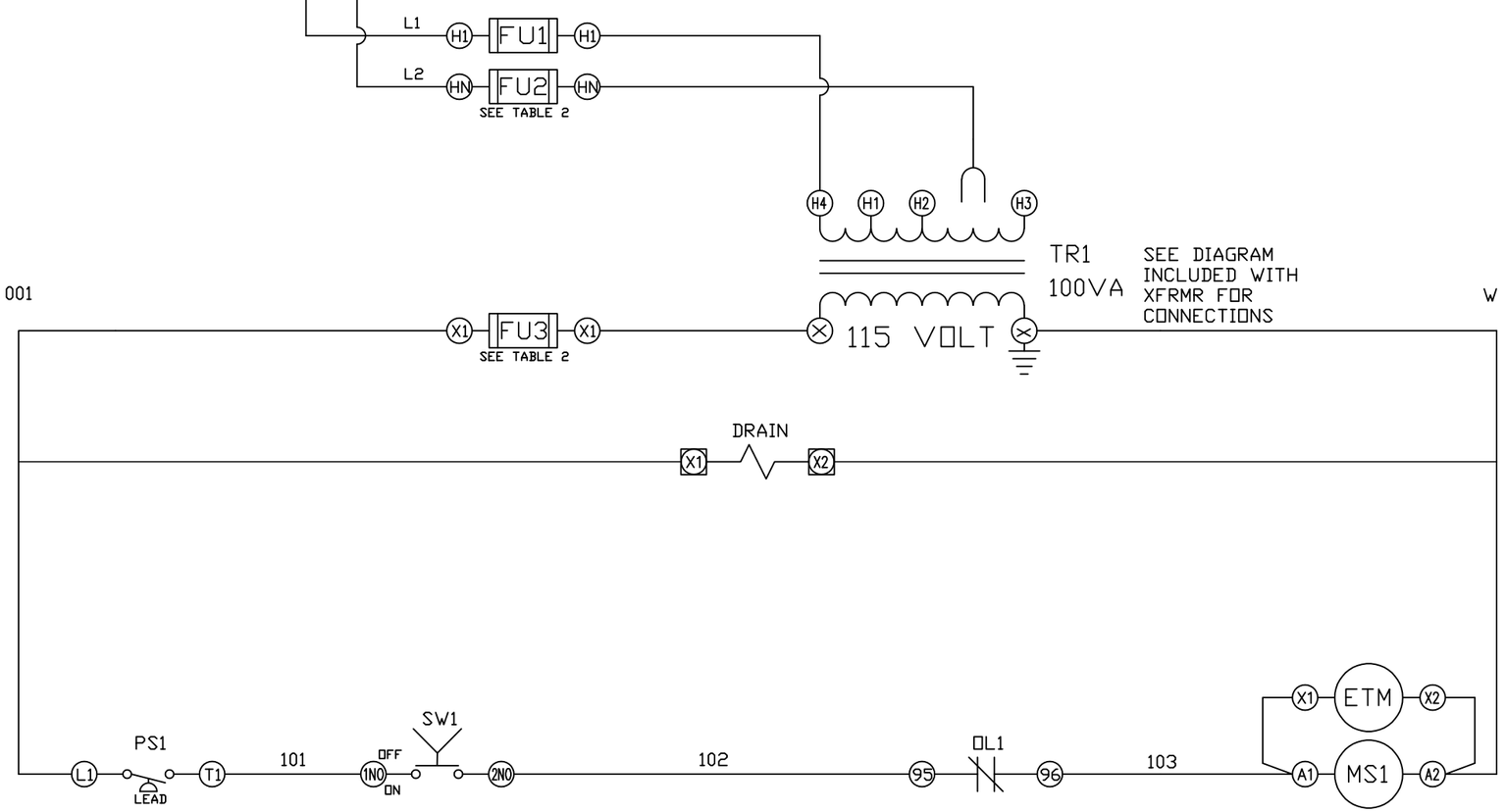
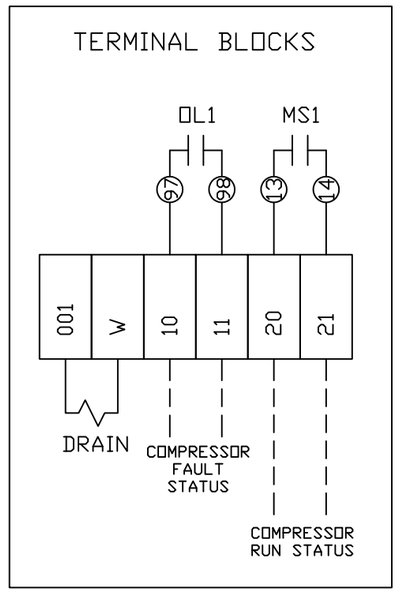
REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/16/25	PXEC0667	SEK	WMM



A
POWER
UNIT #1
OL1 10





10
CONTROL
UNIT #1
MS1 A

WIRE TYPE TABLE			
VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	14 AWG	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

OPTIONAL:

TABLE 2 CONTROL TRANSFORMERS - 100VA				
	FUSE TYPE	208 VOLT	230 VOLT	460 VOLT
FU1,2	FNQR	2A	2A	1A
FU3	FNM	1.25A	1.25A	1.25A

POWEREX

150 PRODUCTION DRIVE HARRISON, OHIO 45030
PHONE: (888)-769-7979 FAX: (513) 367-3125

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	WMM	WMM
06/16/25	06/16/25	06/16/25

PANEL TYPE

SCROLL SIMPLEX INDUSTRIAL

DWG. TYPE WIRING

DWG. NO.

PSIS-100

SHEET W-1

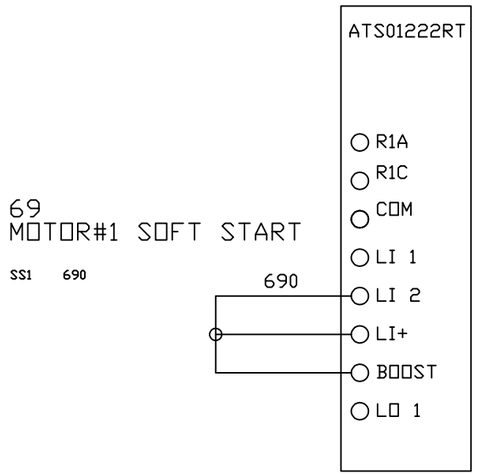
SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/16/25	PXEC0667	SEK	WMM

SET START TIME TO 3-SEC (B)

SET INITIAL VOLT SETTING TO 67% (D)

SET STOP TIME TO 5 SEC (C)



OPTIONAL:

POWEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	WMM	WMM
06/16/25	06/16/25	06/16/25

PANEL TYPE

SCROLL SIMPLEX INDUSTRIAL

DWG. TYPE WIRING

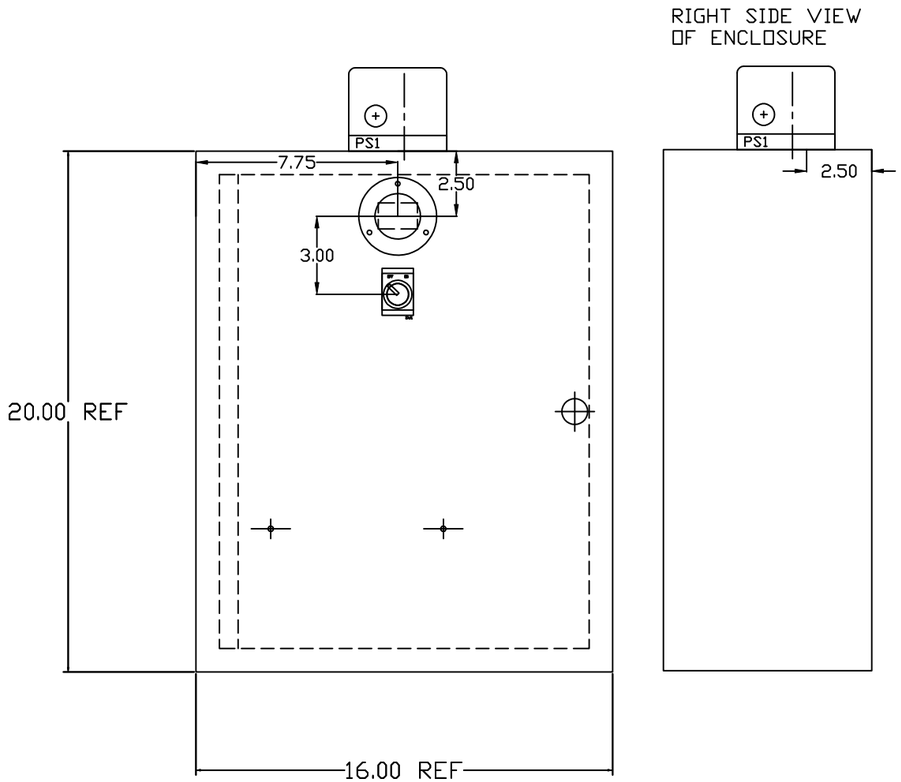
DWG. NO.

PSIS-100

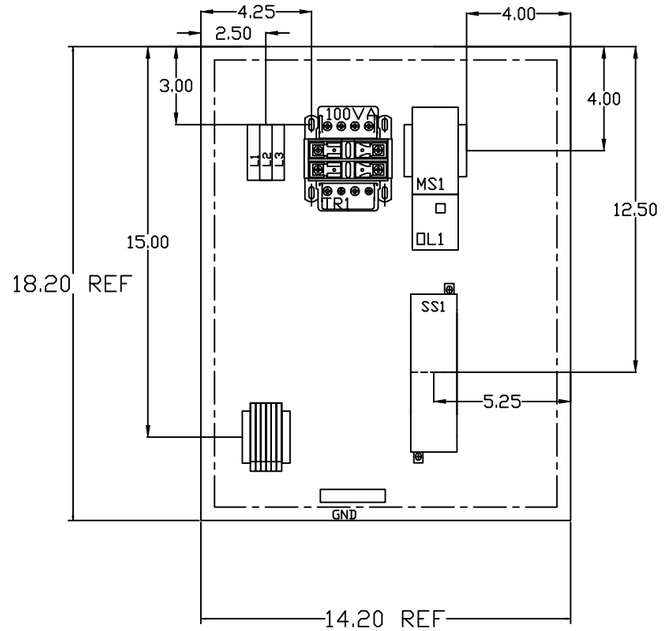
SHEET W-2

SIZE B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/16/25	PXEC0667	SEK	WMM



RIGHT SIDE VIEW
OF ENCLOSURE



OPTIONAL:

POWEREX

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	WMM	WMM
06/16/25	06/16/25	06/16/25

PANEL TYPE

SCROLL SIMPLEX INDUSTRIAL

DWG. TYPE LAYOUT

DWG. NO.

PSIS-100

SHEET

LA-1

PSIS-100

SIZE

B

REV	REVISION	DATE	ECN	NAME	CHKD
B-1	RELEASE TO PRODUCTION	06/16/25	PXEC0667	SEK	WMM

TABLE 1

PANEL DATA 3ø
100VA CONTROL CIRCUIT

(A) LOAD SPECIFICATIONS					(B) BRANCH CIRCUIT PROTECTION – PROVIDED BY INSTALLER		
PANEL PART NUMBER	MOTOR SIZE EACH	(Ø) POWER (V/HZ)	(A) MOTOR LOAD EACH (FLA)	PANEL LOAD TOTAL (FLA)	NONTIME DELAY FUSE	TIME-DELAY FUSE	INVERSE-TIME CIRCUIT BREAKER
PSIS10072XX	7.5	208V/60HZ	19.2	19.7	60A	35A	50A
PSIS100A2XX	10	208V/60HZ	28.5	29.0	90A	60A	80A
PSIS10073XX	7.5	230V/60HZ	17.9	18.3	60A	35A	50A
PSIS100A3XX	10	230V/60HZ	24.8	25.2	80A	45A	70A
PSIS10074XX	7.5	460V/60HZ	9.0	9.2	30A	20A	25A
PSIS100A4XX	10	460V/60HZ	12.4	12.6	40A	25A	35A

NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED 115% OF MOTOR NAMEPLATE FLA VALUE

NOTE– FOR STANDARD PRESSURE SYSTEMS, USE PSI100XXAJ PART#, FOR HIGH PRESSURE SYSTEMS, USE PSI100XXHP PART#

NOTES:

1. RECOMMENDED TIGHTENING TORQUES FOR WIRE TERMINALS:
   208-460 VOLT POWER 35 POUND INCHES
   115 VOLT POWER, CONTROL
   AND LOW VOLTAGE 15 POUND INCHES
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 1 FOR ELECTRICAL RATINGS AND PROTECTION SIZING REQUIREMENTS.
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

WIRE TYPE TABLE

VOLTAGE	WIRE NUMBERS	GAUGE	COLOR
120VAC	001-599	16-18AWG	RED/BLK
0VAC	W	16-18AWG	WHT/BLK
24VDC	600-999	16-18AWG	PURPLE
0VDC	701	16-18AWG	PURPLE
GND	-	14 AWG	GREEN
CUSTOMER SUPPLY	01-99	16-18AWG	YELLOW

OPTIONAL:

TABLE 2

CONTROL TRANSFORMERS - 100VA

	FUSE TYPE	208 VOLT	230 VOLT	460 VOLT
FU1,2	FNQR	2A	2A	1A
FU3	FNM	1.25A	1.25A	1.25A

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DRAWN BY	CHECKED BY	ENGINEERING APPROVAL
SEK	WMM	WMM
06/16/25	06/16/25	06/16/25

PANEL TYPE

SCROLL SIMPLEX INDUSTRIAL

DWG. TYPE DATA

DWG. NO.

PSIS-100

SHEET D-1

SIZE B