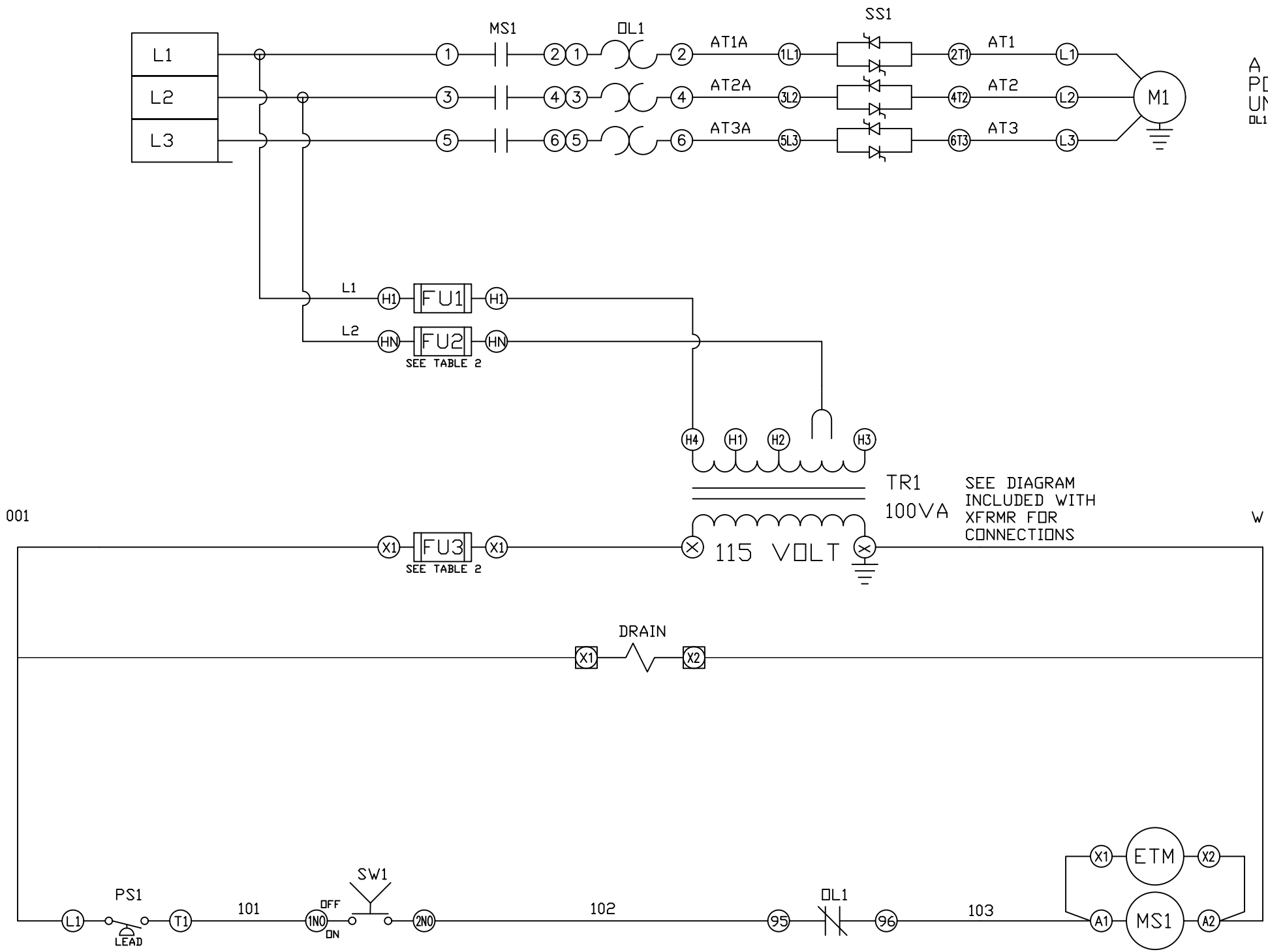
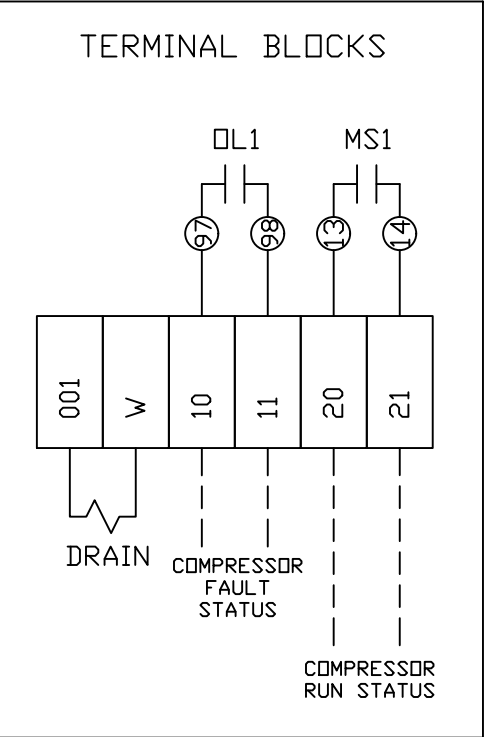


| REV | REVISION              | DATE     | ECN      | NAME | CHKD |
|-----|-----------------------|----------|----------|------|------|
| B-1 | RELEASE TO PRODUCTION | 06/16/25 | PXEC0667 | SEK  | WMM  |



A  
POWER  
UNIT #1  
DL1 10



10  
CONTROL  
UNIT #1  
MS1 A

| 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    |

| 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:

**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

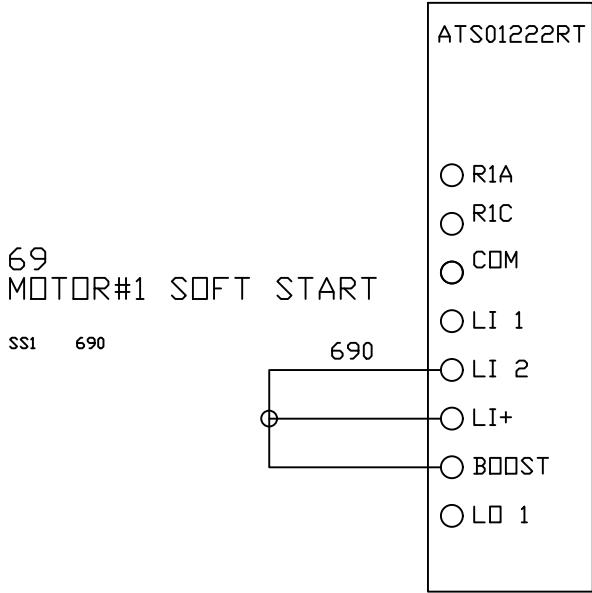
SIZE  
B

| 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 60 SEC (C)



OPTIONAL:

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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 | SIZE |
|-------|------|
| W-2   | B    |



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

TABLE 1

| PANEL DATA 3Ø<br>100VA CONTROL CIRCUIT                                                                        |                    |                        |                              |                           |  |                                                          |                    |                                    |
|---------------------------------------------------------------------------------------------------------------|--------------------|------------------------|------------------------------|---------------------------|--|----------------------------------------------------------|--------------------|------------------------------------|
| (A) LOAD SPECIFICATIONS                                                                                       |                    |                        |                              |                           |  | (B) BRANCH CIRCUIT PROTECTION –<br>PROVIDED BY INSTALLER |                    |                                    |
| PANEL<br>PART<br>NUMBER                                                                                       | MOTOR SIZE<br>EACH | (A) POWER<br>(V/Hz)    | (A) MOTOR LOAD<br>EACH (FLA) | PANEL LOAD<br>TOTAL (FLA) |  | NONTIME<br>DELAY FUSE                                    | TIME-DELAY<br>FUSE | INVERSE-TIME<br>CIRCUIT<br>BREAKER |
| PSIS10072XX<br>PSIS100A2XX                                                                                    | 7.5<br>10          | 208V/60HZ<br>208V/60HZ | 19.2<br>26.5                 | 19.7<br>27.0              |  | 60A<br>80A                                               | 35A<br>50A         | 50A<br>70A                         |
| PSIS10073XX<br>PSIS100A3XX                                                                                    | 7.5<br>10          | 230V/60HZ<br>230V/60HZ | 17.9<br>24.0                 | 18.3<br>24.4              |  | 60A<br>80A                                               | 35A<br>45A         | 50A<br>70A                         |
| PSIS10074XX<br>PSIS100A4XX                                                                                    | 7.5<br>10          | 460V/60HZ<br>460V/60HZ | 9.0<br>12.0                  | 9.2<br>12.2               |  | 30A<br>40A                                               | 20A<br>25A         | 25A<br>35A                         |
| NOTE– ADJUST OVERCURRENT PROTECTION DEVICE NOT TO EXCEED<br>115% OF MOTOR NAMEPLATE FLA VALUE                 |                    |                        |                              |                           |  |                                                          |                    |                                    |
| NOTE– FOR STANDARD PRESSURE SYSTEMS, USE PSI100XXAJ PART#.<br>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<br>SUPPLY | 01-99        | 16-18AWG | YELLOW  |

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use or examination.

| DRAWN<br>BY | CHECKED<br>BY | ENGINEERING<br>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    | SIZE |
|----------|------|
| D-1      | B    |
| PSIS-100 |      |

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