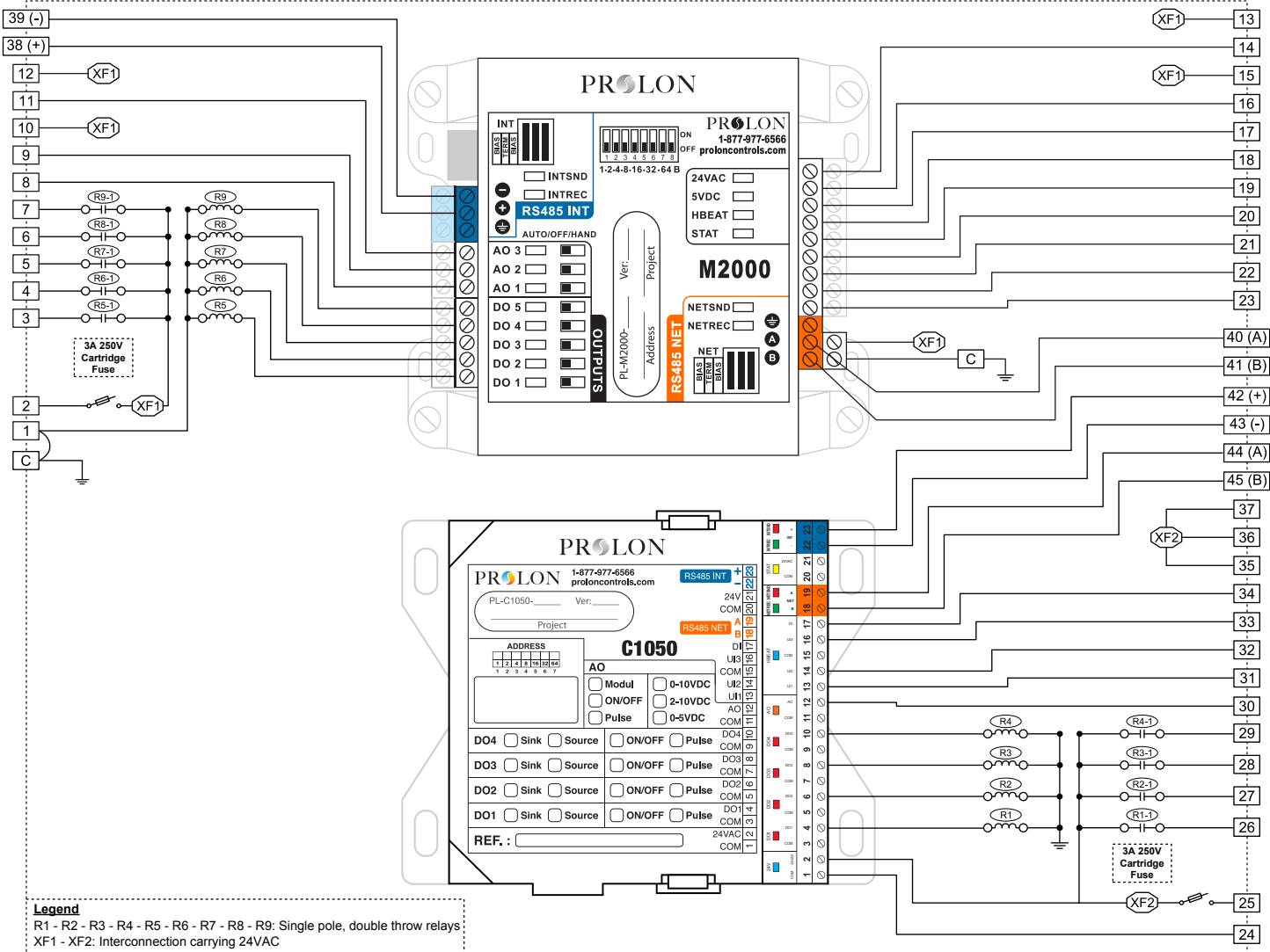


PL-PN2-C1-BLR-M2-FLX

VERSION 2



Field Wiring Details

**ALL TERMINALS:** Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5Nm

| Terminal | Function                  | Ratings         | Terminal | Function                                         | Ratings         |
|----------|---------------------------|-----------------|----------|--------------------------------------------------|-----------------|
|          | GROUND                    | N/A             | 23       | Analog Input 1                                   | 5VDC, 20mA      |
| 1 - 24   | Power Supply Input Common | N/A             | 25       | Supply Input 24VAC (XF2)                         | 24VAC, 3A, 60Hz |
| 2        | Supply Input 24VAC (XF1)  | 24VAC, 3A, 60Hz | 26       | Pump 1 Output                                    | 24VAC, 300mA    |
| 3        | Digital Output 1          | 24VAC, 300mA    | 27       | Pump 2 Output                                    | 24VAC, 300mA    |
| 4        | Digital Output 2          | 24VAC, 300mA    | 28       | Boiler Stage 1 Output                            | 24VAC, 300mA    |
| 5        | Digital Output 3          | 24VAC, 300mA    | 29       | Boiler Stage 2 Output                            | 24VAC, 300mA    |
| 6        | Digital Output 4          | 24VAC, 300mA    | 30       | Valve                                            | 0-10VDC, 40mA   |
| 7        | Digital Output 5          | 24VAC, 300mA    | 31       | Outside Air Temperature Thermistor (10K Type 3)  | N/A             |
| 8        | Analog Output 1           | 0-10VDC, 40mA   | 32       | Return Water Temperature Thermistor (10K Type 3) | N/A             |
| 9        | Analog Output 2           | 0-10VDC, 40mA   | 33       | Supply Water Temperature Thermistor (10K Type 3) | N/A             |
| 10       | 24VAC Supply              | 24VAC, 8.5VA    | 34       | Dry Contact for Proof of Pump                    | N/A             |
| 11       | Analog Output 3           | 0-10VDC, 40mA   | 35       | Power Supply 24VAC                               | 24VAC, 60Hz     |
| 12       | 24VAC Supply              | 24VAC, 5VA      | 36       | Power Supply 24VAC                               | 24VAC, 60Hz     |
| 13       | 24VAC Supply              | 24VAC, 0.03A    | 37       | Power Supply 24VAC                               | 24VAC, 60Hz     |
| 14       | Analog Input 9            | 5VDC, 20mA      | 38 (+)   | M2000 RS485 INT A (+)                            | N/A             |
| 15       | 24VAC Supply              | 24VAC, 6.7VA    | 39 (-)   | M2000 RS485 INT B (-)                            | N/A             |
| 16       | Analog Input 8            | 5VDC, 20mA      | 40 (A)   | M2000 RS485 NET A (+)                            | N/A             |
| 17       | Analog Input 7            | 5VDC, 20mA      | 41 (B)   | M2000 RS485 NET B (-)                            | N/A             |
| 18       | Analog Input 6            | 5VDC, 20mA      | 42 (+)   | C1050 RS485 INT A (+)                            | N/A             |
| 19       | Analog Input 5            | 5VDC, 20mA      | 43 (-)   | C1050 RS485 INT B (-)                            | N/A             |
| 20       | Analog Input 4            | 5VDC, 20mA      | 44 (A)   | C1050 RS485 NET A (+)                            | N/A             |
| 21       | Analog Input 3            | 5VDC, 20mA      | 45 (B)   | C1050 RS485 NET B (-)                            | N/A             |
| 22       | Analog Input 2            | 5VDC, 20mA      | C        | COMMON                                           | N/A             |

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.