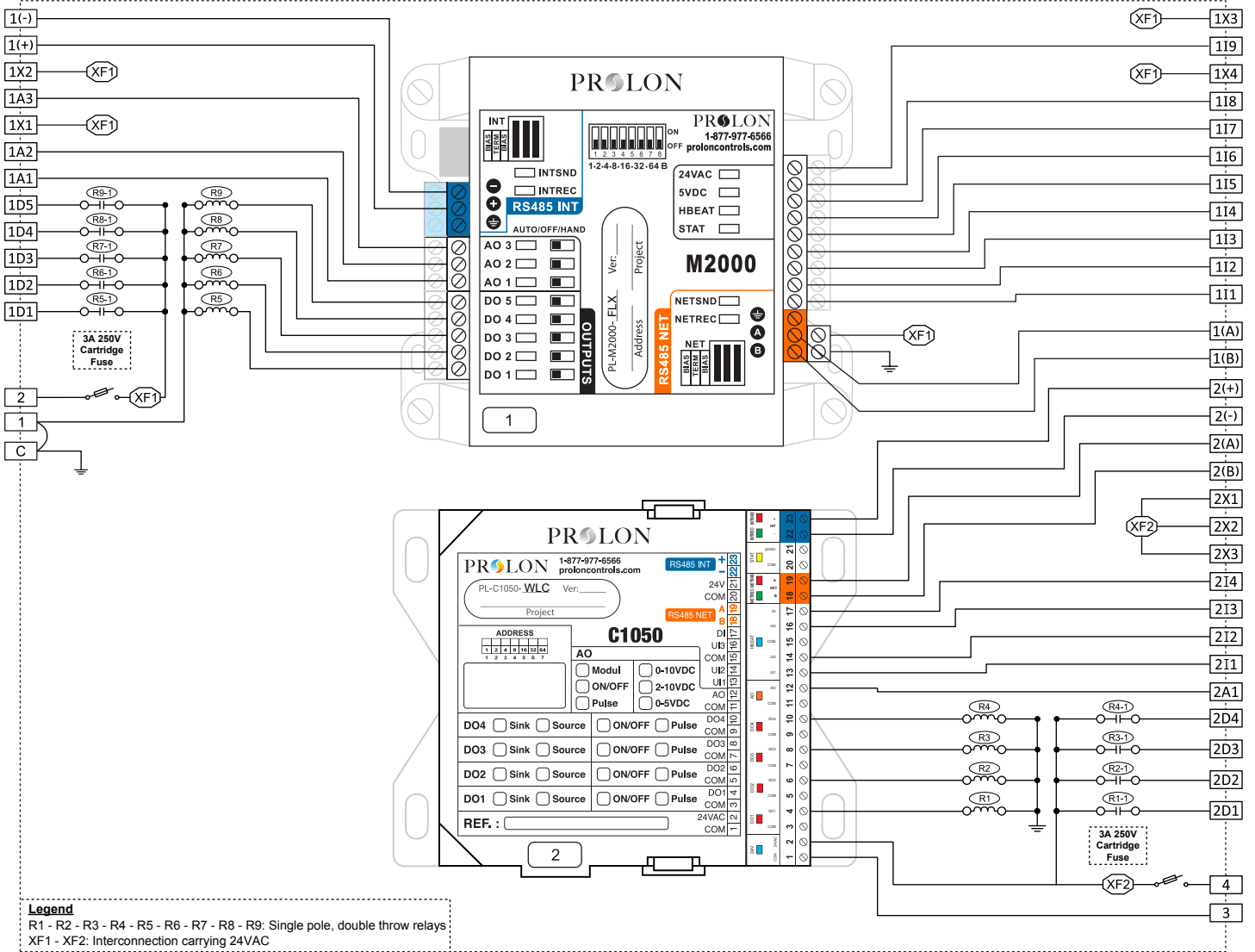


PL-PN2-4Q-7F

VERSION 4

Internal Electrical Wiring Diagram



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	1I1	Analog Input 1	5VDC, 20mA
1 & 3	Power Supply Input Common	N/A	4	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz	2D1	(R1) - Boiler (Digital - ON/OFF)	N/A
1D1	(R5) - Digital Output 1	24VAC, 300mA	2D2	(R2) - Valve / Damper / Cooling (Digital - ON/OFF)	N/A
1D2	(R6) - Digital Output 2	24VAC, 300mA	2D3	(R3) - Spray Pump (Digital - ON/OFF)	N/A
1D3	(R7) - Digital Output 3	24VAC, 300mA	2D4	(R4) - Water Tower Stage 1 (Digital - ON/OFF)	24VAC, 300mA
1D4	(R8) - Digital Output 4	24VAC, 300mA	2A1	Water Tower Stage 2 (Analog 0-10 VDC)	0-10VDC, 40mA
1D5	(R9) - Digital Output 5	24VAC, 300mA	2I1	Auxiliary Temperature Sensor (10K Thermistor)	N/A
1A1	Analog Output 1	0-10VDC, 40mA	2I2	Return Water Temperature Sensor (10K Thermistor)	N/A
1A2	Analog Output 2	0-10VDC, 40mA	2I3	Supply Water Temperature Sensor (10K Thermistor)	N/A
1X1	Power Supply 24VAC	24VAC, 8.5VA	2I4	Auxiliary Digital Input	N/A
1A3	Analog Output 3	0-10VDC, 40mA	2X3	Power Supply 24VAC	24VAC, 3A 60Hz
1X2	Power Supply 24VAC	24VAC, 5VA	2X2	Power Supply 24VAC	24VAC, 3A 60Hz
1X3	Power Supply 24VAC	24VAC, 0.03A	2X1	Power Supply 24VAC	24VAC, 3A 60Hz
1I9	Analog Input 9	5VDC, 20mA	1 (+)	M2000 RS485 INT A (+)	N/A
1X4	Power Supply 24VAC	24VAC, 6.7VA	1 (-)	M2000 RS485 INT B (-)	N/A
1I8	Analog Input 8	5VDC, 20mA	1 (A)	M2000 RS485 NET A (+)	N/A
1I7	Analog Input 7	5VDC, 20mA	1 (B)	M2000 RS485 NET B (-)	N/A
1I6	Analog Input 6	5VDC, 20mA	2 (+)	C1050 RS485 INT A (+)	N/A
1I5	Analog Input 5	5VDC, 20mA	2 (-)	C1050 RS485 INT B (-)	N/A
1I4	Analog Input 4	5VDC, 20mA	2 (A)	C1050 RS485 NET A (+)	N/A
1I3	Analog Input 3	5VDC, 20mA	2 (B)	C1050 RS485 NET B (-)	N/A
1I2	Analog Input 2	5VDC, 20mA	C	COMMON	N/A

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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.

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