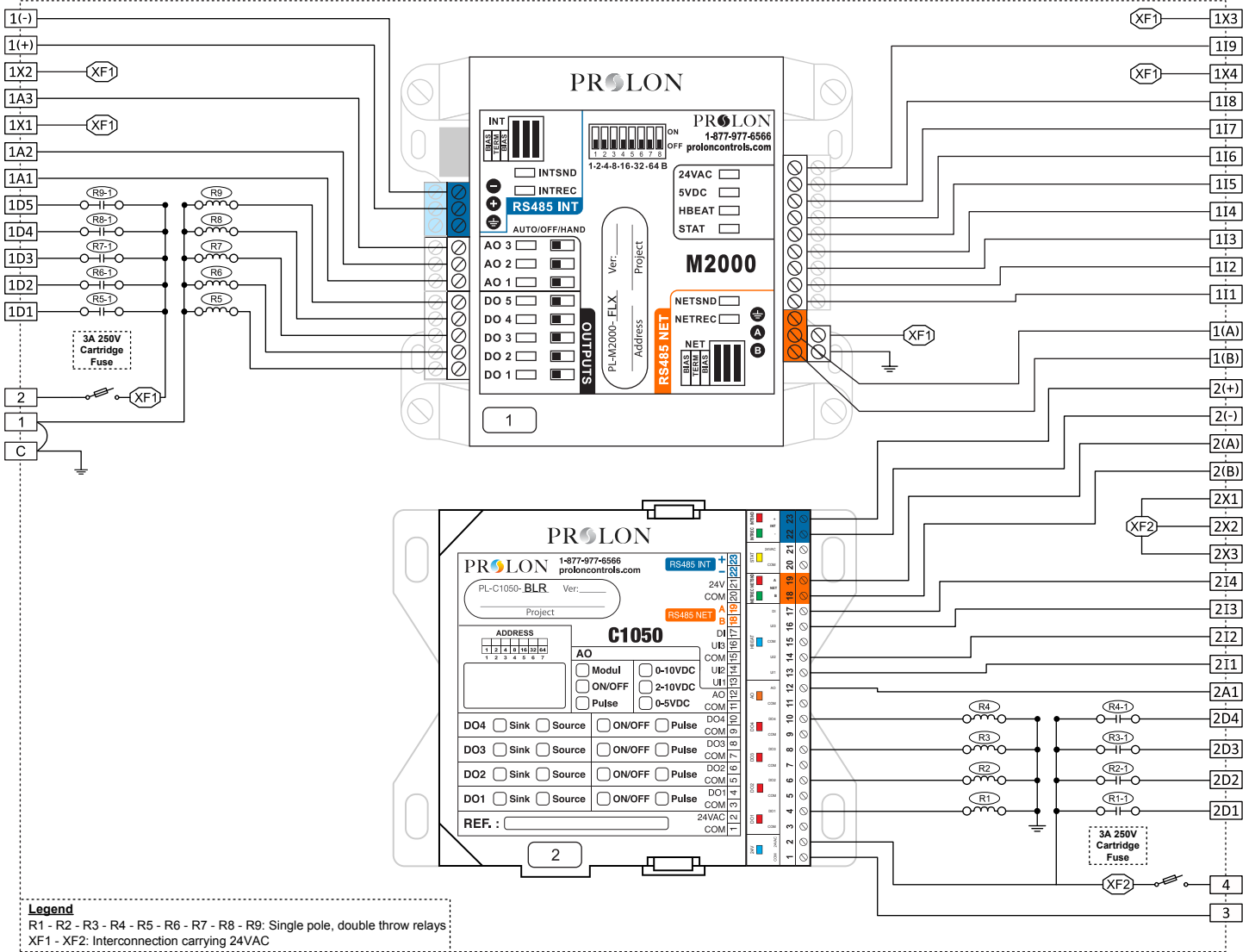


# PL-PN2-4C-7F

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	1I 1	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) - Pump 1 Output	24VAC, 300mA
1D1	(R5) - Digital Output 1	24VAC, 300mA	2D2	(R2) - Pump 2 Output	24VAC, 300mA
1D2	(R6) - Digital Output 2	24VAC, 300mA	2D3	(R3) - Boiler Stage 1 Output	24VAC, 300mA
1D3	(R7) - Digital Output 3	24VAC, 300mA	2D4	(R4) - Boiler Stage 2 Output	24VAC, 300mA
1D4	(R8) - Digital Output 4	24VAC, 300mA	2A1	Valve	0-10VDC, 40mA
1D5	(R9) - Digital Output 5	24VAC, 300mA	2I 1	Outside Air Temperature Thermistor (10K Type 3)	N/A
1A1	Analog Output 1	0-10VDC, 40mA	2I 2	Return Water Temperature Thermistor (10K Type 3)	N/A
1A2	Analog Output 2	0-10VDC, 40mA	2I 3	Supply Water Temperature Thermistor (10K Type 3)	N/A
1X1	24VAC Supply	24VAC, 8.5VA	2I 4	Dry Contact for Proof of Pump	N/A
1A3	Analog Output 3	0-10VDC, 40mA	2X 3	Power Supply 24VAC	24VAC, 60Hz
1X2	24VAC Supply	24VAC, 5VA	2X 2	Power Supply 24VAC	24VAC, 60Hz
1X3	24VAC Supply	24VAC, 0.03A	2X 1	Power Supply 24VAC	24VAC, 60Hz
1I 9	Analog Input 9	5VDC, 20mA	1 (+)	M2000 RS485 INT A (+)	N/A
1X4	24VAC Supply	24VAC, 6.7VA	1 (-)	M2000 RS485 INT B (-)	N/A
1I 8	Analog Input 8	5VDC, 20mA	1 (A)	M2000 RS485 NET A (+)	N/A
1I 7	Analog Input 7	5VDC, 20mA	1 (B)	M2000 RS485 NET B (-)	N/A
1I 6	Analog Input 6	5VDC, 20mA	2 (+)	C1050 RS485 INT A (+)	N/A
1I 5	Analog Input 5	5VDC, 20mA	2 (-)	C1050 RS485 INT B (-)	N/A
1I 4	Analog Input 4	5VDC, 20mA	2 (A)	C1050 RS485 NET A (+)	N/A
1I 3	Analog Input 3	5VDC, 20mA	2 (B)	C1050 RS485 NET B (-)	N/A
1I 2	Analog Input 2	5VDC, 20mA	C	COMMON	N/A

**PROLON**

1-877-9PROLON

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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.

info@proloncontrols.com