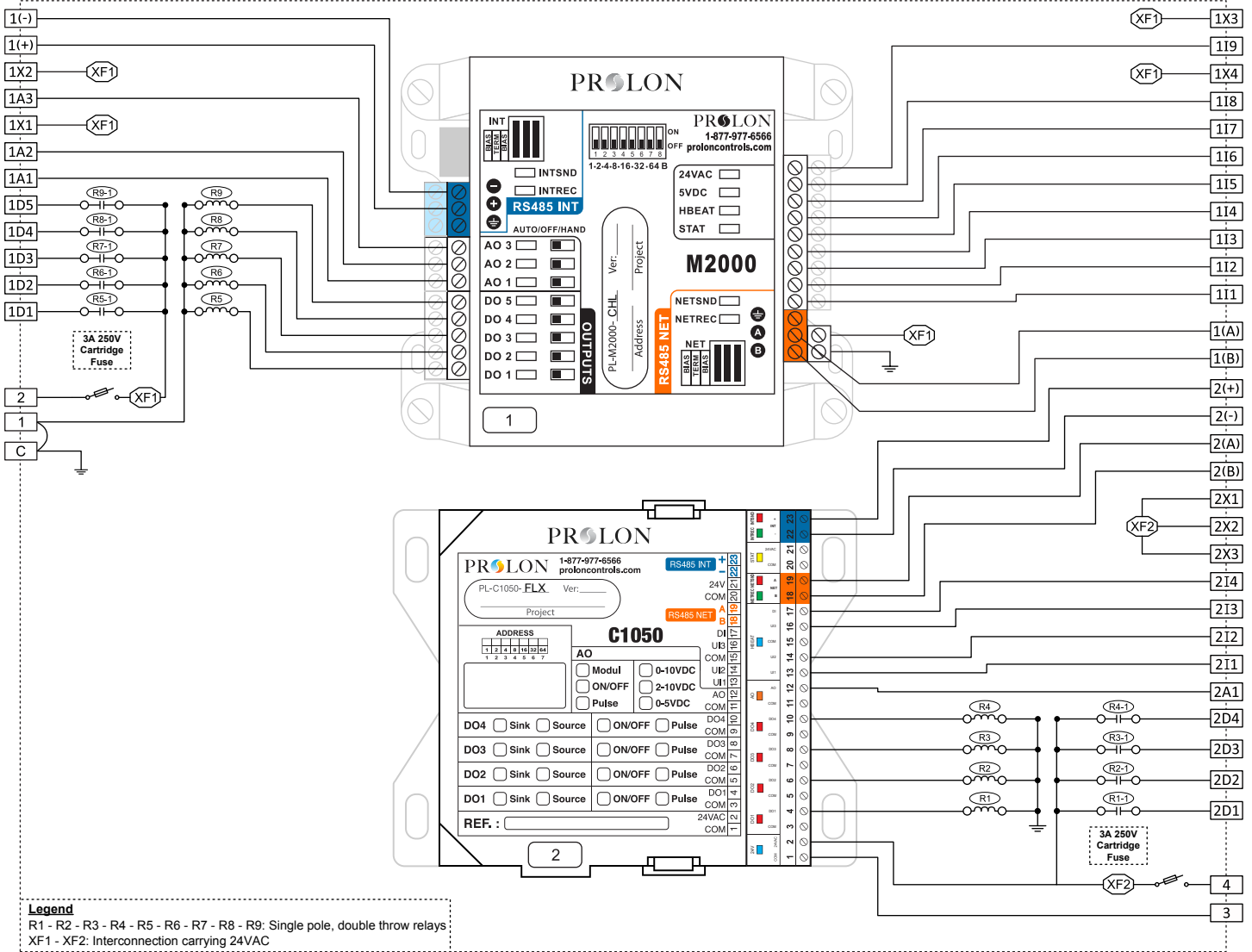


PL-PN2-4F-7D

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	CHL Outside Water Temp Thermistor (10K Type 3)	N/A
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 - Digital Output 1	24VAC, 300mA
1D1	R5 - Pump 1 (CHL) Output	24VAC, 300mA	2D2	R2 - Digital Output 2	24VAC, 300mA
1D2	R6 - Pump 2 (CHL) Output	24VAC, 300mA	2D3	R3 - Digital Output 3	24VAC, 300mA
1D3	R7 - Chiller 1 Output	24VAC, 300mA	2D4	R4 - Digital Output 4	24VAC, 300mA
1D4	R8 - Chiller 2 Output	24VAC, 300mA	2A1	Analog Output 1	0-10VDC, 40mA
1D5	R9 - Chiller 3 Output	24VAC, 300mA	2I1	Universal Input 1	N/A
1A1	VFD Pump 1 (CHL) Output	0-10VDC, 40mA	2I2	Universal Input 2	N/A
1A2	VFD Pump 2 (CHL) Output	0-10VDC, 40mA	2I3	Universal Input 3	N/A
1X1	Power Supply 24VAC	24VAC, 8.5VA	2I4	Digital Input (Dry Contact)	N/A
1A3	Chiller 4 Output	0-10VDC, 40mA	2X3	Power Supply 24VAC	24VAC, 60Hz
1X2	Power Supply 24VAC	24VAC, 5VA	2X2	Power Supply 24VAC	24VAC, 60Hz
1X3	Power Supply 24VAC	24VAC, 0.03A	2X1	Power Supply 24VAC	24VAC, 60Hz
1I9	Alarm (Dry Contact)	0-5VDC, 5uA	1 (+)	M2000 RS485 INT A (+)	N/A
1X4	Power Supply 24VAC	24VAC, 6.7VA	1 (-)	M2000 RS485 INT B (-)	N/A
1I8	Water Pressure	4-20mA, 1-5VDC	1 (A)	M2000 RS485 NET A (+)	N/A
1I7	Condenser Water Temp Leaving	N/A	1 (B)	M2000 RS485 NET B (-)	N/A
1I6	Condenser Water Temp Entering	N/A	2 (+)	C1050 RS485 INT A (+)	N/A
1I5	Dry Contact for Proof of Pump 1 (CHL)	N/A	2 (-)	C1050 RS485 INT B (-)	N/A
1I4	Dry Contact for Proof of Pump 2 (CHL)	N/A	2 (A)	C1050 RS485 NET A (+)	N/A
1I3	CHL Return Water Temp Thermistor (10K Type 3)	N/A	2 (B)	C1050 RS485 NET B (-)	N/A
1I2	CHL Supply Water Temp Thermistor (10K Type 3)	N/A	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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