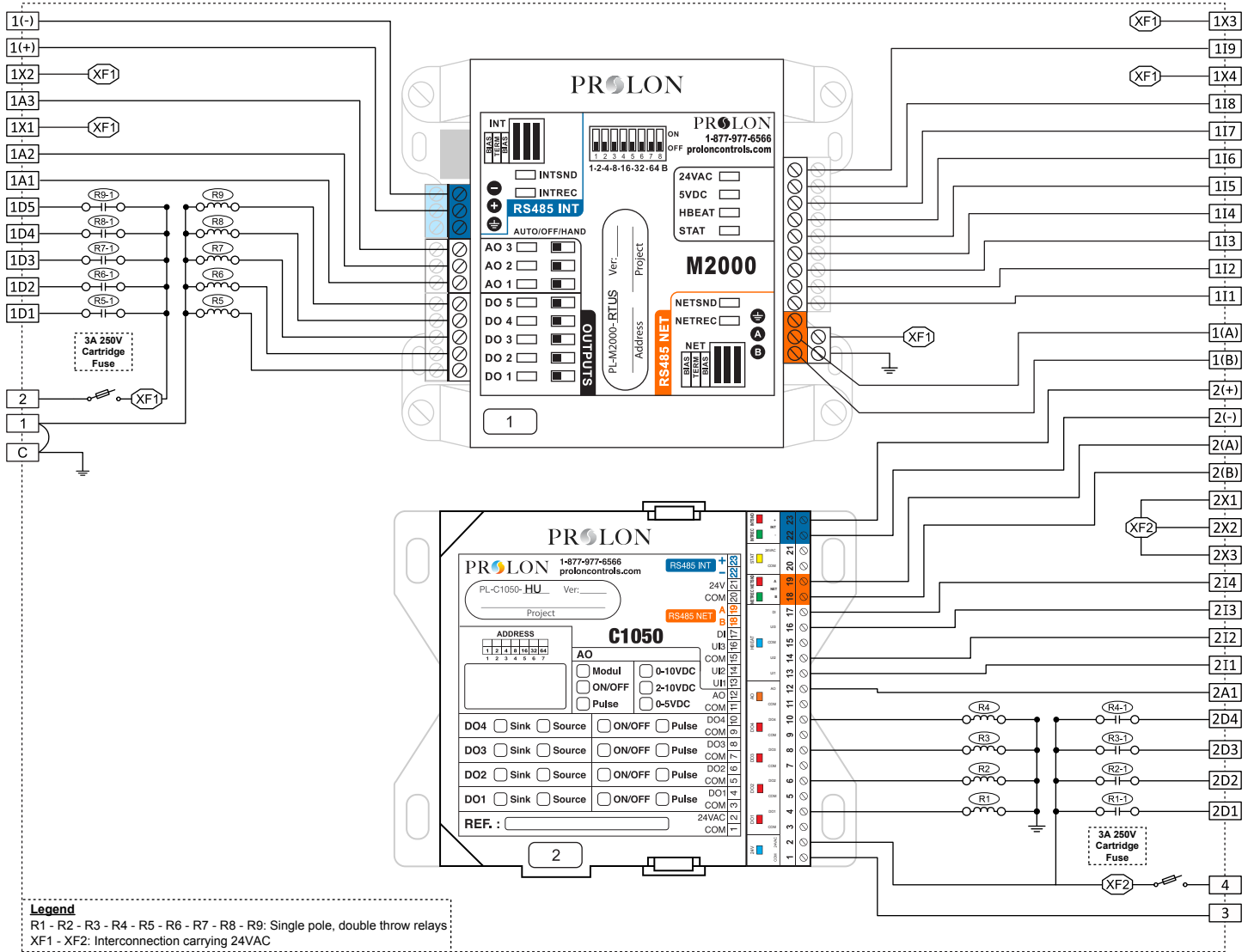


PL-PN2-4P-7N

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	Outside Air Temperature 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	- N/A	24VAC, 300mA
1D1	- Fan Output (G)	24VAC, 300mA	2D2	- N/A	24VAC, 300mA
1D2	- Cooling Output 1 (Y1)	24VAC, 300mA	2D3	- Dehumidifier (Digital - ON/OFF)	24VAC, 300mA
1D3	- Cooling Output 2 (Y2)	24VAC, 300mA	2D4	- Humidifier (Digital - ON/OFF)	24VAC, 300mA
1D4	- Heating Output 1 (W1)	24VAC, 300mA	2A1	Humidifier (Analog 0-10 / 2-10 VDC)	0-10VDC, 40mA
1D5	- Heating Output 2 (W2) or Exhaust Fan	24VAC, 300mA	2I1	Outside Temperature Sensor (10K Thermistor)	N/A
1A1	Modulating Heating Output	0-10VDC, 40mA	2I2	Room / Return Humidity Sensor (0-5 / 0-10 VDC)	N/A
1A2	Economizer Control Output	0-10VDC, 40mA	2I3	Supply Humidity Sensor (0-5 / 0-10 VDC)	N/A
1X1	Economizer Supply	24VAC, 8.5VA	2I4	External Dry Contact for Proof of Fan	N/A
1A3	Bypass or VFD Control Output	0-10VDC, 40mA	2X3	Power Supply 24VAC	24VAC, 60Hz
1X2	Bypass or VFD Supply	24VAC, 5VA	2X2	Power Supply 24VAC	24VAC, 60Hz
1X3	Static Pressure Sensor Supply	24VAC, 0.03A	2X1	Power Supply 24VAC	24VAC, 60Hz
1I9	Static Pressure Sensor Input Signal	0-5VDC, 5uA	1 (+)	M2000 RS485 INT A (+)	N/A
1X4	CO2 Sensor Supply	24VAC, 6.7VA	1 (-)	M2000 RS485 INT B (-)	N/A
1I8	CO2 Sensor Input Signal	4-20mA, 1-5VDC	1 (A)	M2000 RS485 NET A (+)	N/A
1I7	Dry Contact for Proof of Fan	N/A	1 (B)	M2000 RS485 NET B (-)	N/A
1I6	Zone Setpoint Potentiometer (0-9K)	N/A	2 (+)	C1050 RS485 INT A (+)	N/A
1I5	Zone Temperature Thermistor (10K Type 3)	N/A	2 (-)	C1050 RS485 INT B (-)	N/A
1I4	Variable Function Temperature Sensor	N/A	2 (A)	C1050 RS485 NET A (+)	N/A
1I3	Supply Air Temp. Thermistor (10K Type 3)	N/A	2 (B)	C1050 RS485 NET B (-)	N/A
1I2	Return Air 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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