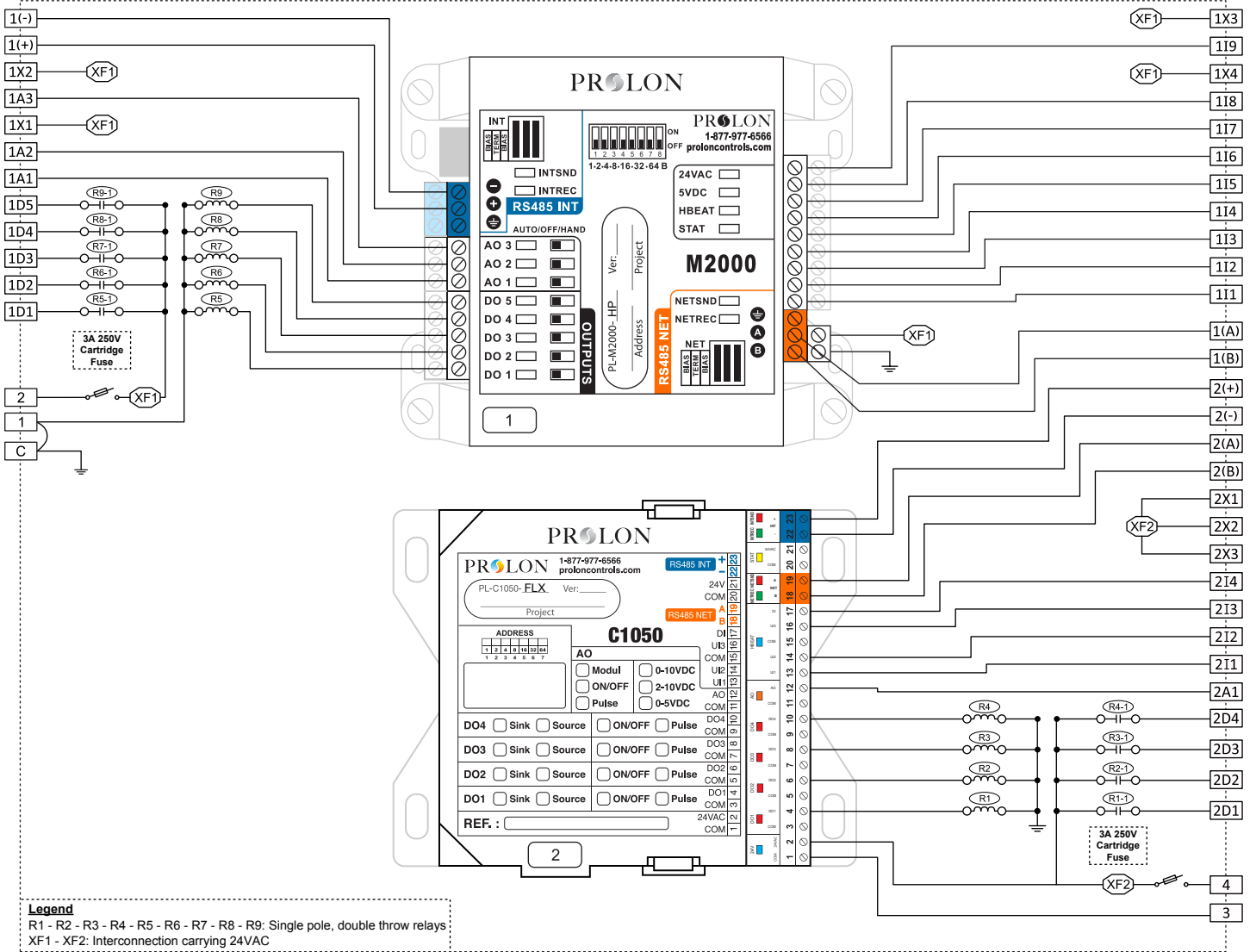


PL-PN2-4F-7G

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
	GROUND	N/A
1 & 3	Power Supply Input Common	N/A
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz
1D1	- DO1 - Fan (G)	24VAC, 300mA
1D2	- DO2 - Compressor 1 (Y1)	24VAC, 300mA
1D3	- DO3 - Compressor 2 (Y2)	24VAC, 300mA
1D4	- DO4 - Rev Valve	24VAC, 300mA
1D5	- DO5 - Aux Heat	24VAC, 300mA
1A1	AO1 - Preheating / Mod. Heat	0-10VDC, 40mA
1A2	AO2 - Economizer	0-10VDC, 40mA
1X1	Economizer Supply	24VAC, 8.5VA
1A3	AO3 - Bypass / VFD	0-10VDC, 40mA
1X2	Bypass or VFD Supply	24VAC, 5VA
1X3	Static Pressure Sensor Supply	24VAC, 0.03A
119	Static Pressure (0-5/1-5V) (1/1.5/2/2.5 in)	0-5VDC, 5uA
1X4	CO2 Sensor Supply	24VAC, 6.7VA
118	Ext Dry Contact for Alarm / CO2 Sensor (4-20mA)	4-20mA, 1-5VDC
117	External Dry Contact for Proof of Fan	N/A
116	Zone Setpoint Potentiometer (0-10K)	N/A
115	Zone Temperature Thermistor (10K Type 3)	N/A
114	Dry contact for clogged filter / Dry contact for schedule override / Supply water temp. (10K Type 3 Thermistor)	N/A
113	Supply Air Temp. Thermistor (10K Type 3)	N/A
112	Return Air Temperature	N/A

Terminal	Function	Ratings
1I1	Outside Air Temp. Sensor / Supply Water Temp. Sensor (10K Therm)	N/A
4	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
2D1	- Digital Output 1	24VAC, 300mA
2D2	- Digital Output 2	24VAC, 300mA
2D3	- Digital Output 3	24VAC, 300mA
2D4	- Digital Output 4	24VAC, 300mA
2A1	Analog Output 1	0-10VDC, 40mA
2I1	Universal Input 1	N/A
2I2	Universal Input 2	N/A
2I3	Universal Input 3	N/A
2I4	Digital Input (Dry Contact)	N/A
2X3	Power Supply 24VAC	24VAC, 60Hz
2X2	Power Supply 24VAC	24VAC, 60Hz
2X1	Power Supply 24VAC	24VAC, 60Hz
1 (+)	M2000 RS485 INT A (+)	N/A
1 (-)	M2000 RS485 INT B (-)	N/A
1 (A)	M2000 RS485 NET A (+)	N/A
1 (B)	M2000 RS485 NET B (-)	N/A
2 (+)	C1050 RS485 INT A (+)	N/A
2 (-)	C1050 RS485 INT B (-)	N/A
2 (A)	C1050 RS485 NET A (+)	N/A
2 (B)	C1050 RS485 NET B (-)	N/A
C	COMMON	N/A

PROLON

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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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