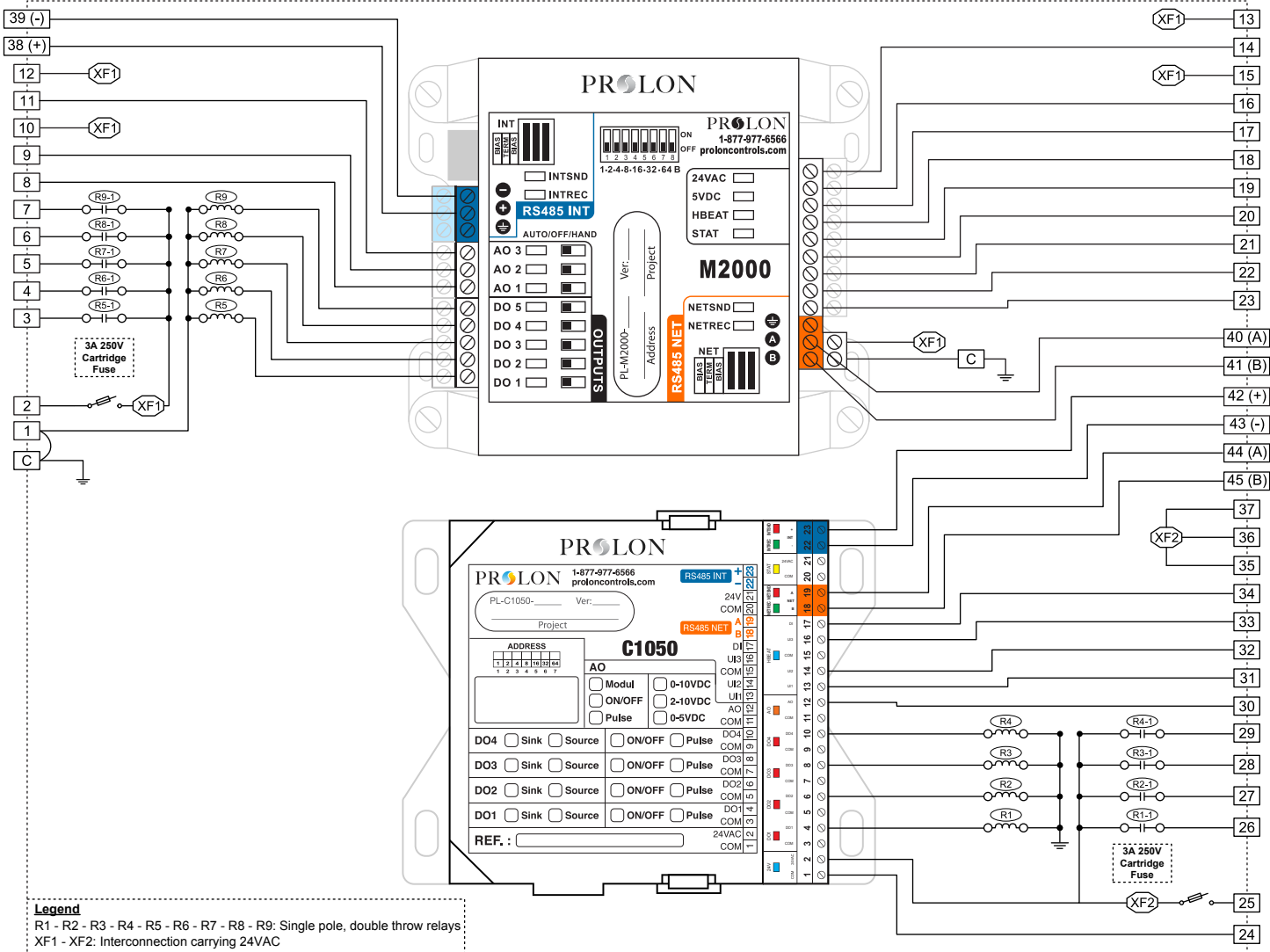


PL-PN2-C1-FLX-M2-HPS

VERSION 2

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 - 24	Power Supply Input Common	N/A
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz
3	DO1 - Fan (G)	24VAC, 300mA
4	DO2 - Compressor 1 (Y1)	24VAC, 300mA
5	DO3 - Compressor 2 (Y2)	24VAC, 300mA
6	DO4 - Rev Valve	24VAC, 300mA
7	DO5 - Aux Heat	24VAC, 300mA
8	AO1 - Preheating / Mod. Heat	0-10VDC, 40mA
9	AO2 - Economizer	0-10VDC, 40mA
10	Economizer Supply	24VAC, 8.5VA
11	AO3 - Bypass / VFD	0-10VDC, 40mA
12	Bypass or VFD Supply	24VAC, 5VA
13	Static Pressure Sensor Supply	24VAC, 0.03A
14	Static Pressure (0-5/1-5V) (1/1.5/2/2.5 in)	0-5VDC, 5uA
15	CO2 Sensor Supply	24VAC, 6.7VA
16	Ext Dry Contact for Alarm / CO2 Sensor (4-20mA)	4-20mA, 1-5VDC
17	External Dry Contact for Proof of Fan	N/A
18	Zone Setpoint Potentiometer (0-10K)	N/A
19	Zone Temperature Thermistor (10K Type 3)	N/A
20	Dry contact for clogged filter / Dry contact for schedule override / Supply water temp. (10K Type 3 Thermistor)	N/A
21	Supply Air Temp. Thermistor (10K Type 3)	N/A
22	Return Air Temperature	N/A

Terminal	Function	Ratings
23	Outside Air Temp. Sensor / Supply Water Temp. Sensor (10K Therm)	N/A
25	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
26	Digital Output 1	24VAC, 300mA
27	Digital Output 2	24VAC, 300mA
28	Digital Output 3	24VAC, 300mA
29	Digital Output 4	24VAC, 300mA
30	Analog Output 1	0-10VDC, 40mA
31	Universal Input 1	N/A
32	Universal Input 2	N/A
33	Universal Input 3	N/A
34	Digital Input (Dry Contact)	N/A
35	Power Supply 24VAC	24VAC, 60Hz
36	Power Supply 24VAC	24VAC, 60Hz
37	Power Supply 24VAC	24VAC, 60Hz
38 (+)	M2000 RS485 INT A (+)	N/A
39 (-)	M2000 RS485 INT B (-)	N/A
40 (A)	M2000 RS485 NET A (+)	N/A
41 (B)	M2000 RS485 NET B (-)	N/A
42 (+)	C1050 RS485 INT A (+)	N/A
43 (-)	C1050 RS485 INT B (-)	N/A
44 (A)	C1050 RS485 NET A (+)	N/A
45 (B)	C1050 RS485 NET B (-)	N/A
C	COMMON	N/A

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.