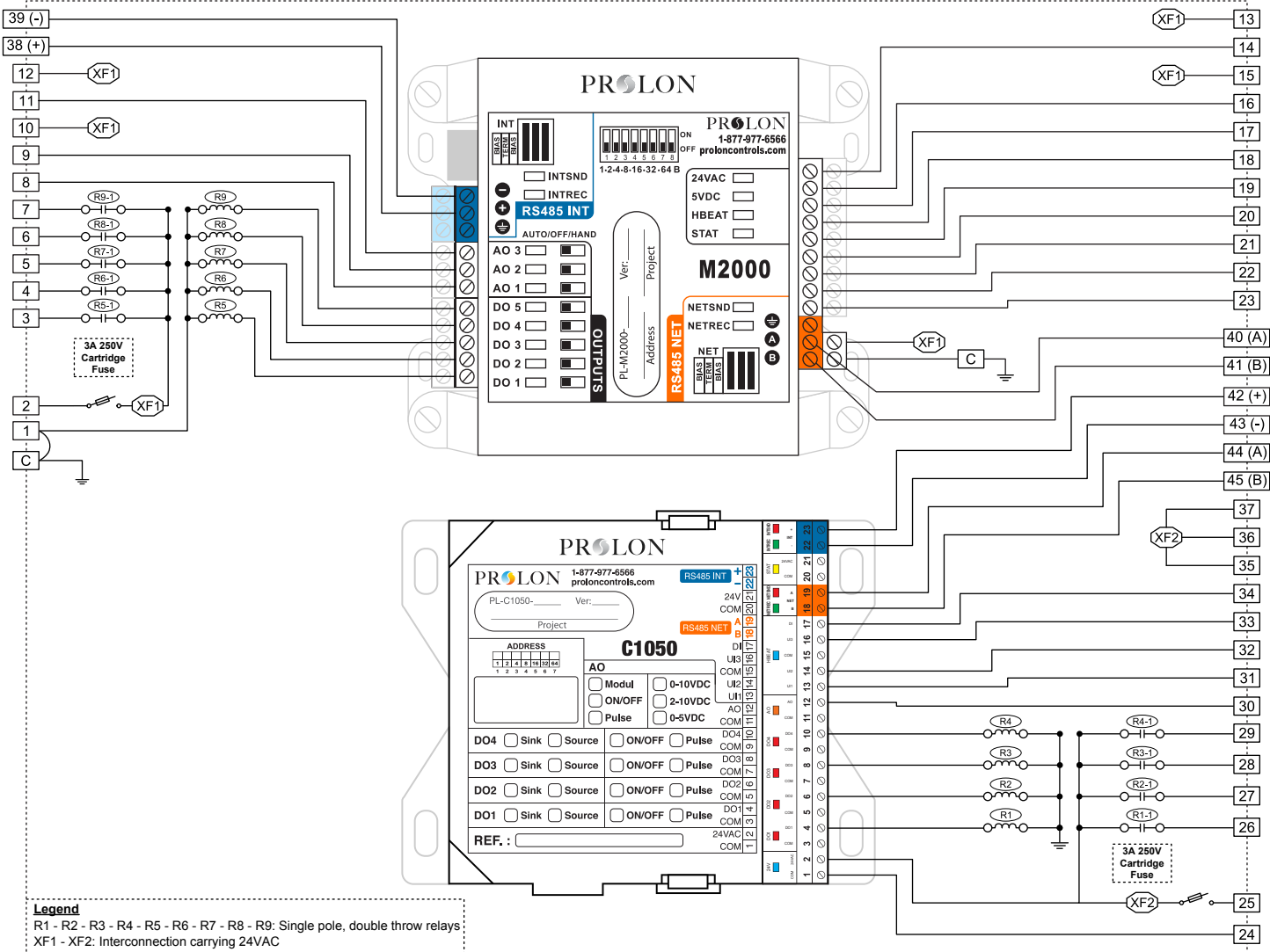


PL-PN2-C1-HU-M2-RTU/S

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	Terminal	Function	Ratings
	GROUND	N/A	23	Outside Air Temperature Thermistor (10K Type 3)	N/A
1 - 24	Power Supply Input Common	N/A	25	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz	26	N/A	24VAC, 300mA
3	Fan Output (G)	24VAC, 300mA	27	N/A	24VAC, 300mA
4	Cooling Output 1 (Y1)	24VAC, 300mA	28	Dehumidifier (Digital - ON/OFF)	24VAC, 300mA
5	Cooling Output 2 (Y2)	24VAC, 300mA	29	Humidifier (Digital - ON/OFF)	24VAC, 300mA
6	Heating Output 1 (W1)	24VAC, 300mA	30	Humidifier (Analog 0-10 / 2-10 VDC)	0-10VDC, 40mA
7	Heating Output 2 (W2) or Exhaust Fan	24VAC, 300mA	31	Outside Temperature Sensor (10K Thermistor)	N/A
8	Modulating Heating Output	0-10VDC, 40mA	32	Room / Return Humidity Sensor (0-5 / 0-10 VDC)	N/A
9	Economizer Control Output	0-10VDC, 40mA	33	Supply Humidity Sensor (0-5 / 0-10 VDC)	N/A
10	Economizer Supply	24VAC, 8.5VA	34	External Dry Contact for Proof of Fan	N/A
11	Bypass or VFD Control Output	0-10VDC, 40mA	35	Power Supply 24VAC	24VAC, 60Hz
12	Bypass or VFD Supply	24VAC, 5VA	36	Power Supply 24VAC	24VAC, 60Hz
13	Static Pressure Sensor Supply	24VAC, 0.03A	37	Power Supply 24VAC	24VAC, 60Hz
14	Static Pressure Sensor Input Signal	0-5VDC, 5uA	38 (+)	M2000 RS485 INT A (+)	N/A
15	CO2 Sensor Supply	24VAC, 6.7VA	39 (-)	M2000 RS485 INT B (-)	N/A
16	CO2 Sensor Input Signal	4-20mA, 1-5VDC	40 (A)	M2000 RS485 NET A (+)	N/A
17	Dry Contact for Proof of Fan	N/A	41 (B)	M2000 RS485 NET B (-)	N/A
18	Zone Setpoint Potentiometer (0-9K)	N/A	42 (+)	C1050 RS485 INT A (+)	N/A
19	Zone Temperature Thermistor (10K Type 3)	N/A	43 (-)	C1050 RS485 INT B (-)	N/A
20	Variable Function Temperature Sensor	N/A	44 (A)	C1050 RS485 NET A (+)	N/A
21	Supply Air Temp. Thermistor (10K Type 3)	N/A	45 (B)	C1050 RS485 NET B (-)	N/A
22	Return Air Temp. Thermistor (10K Type 3)	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.