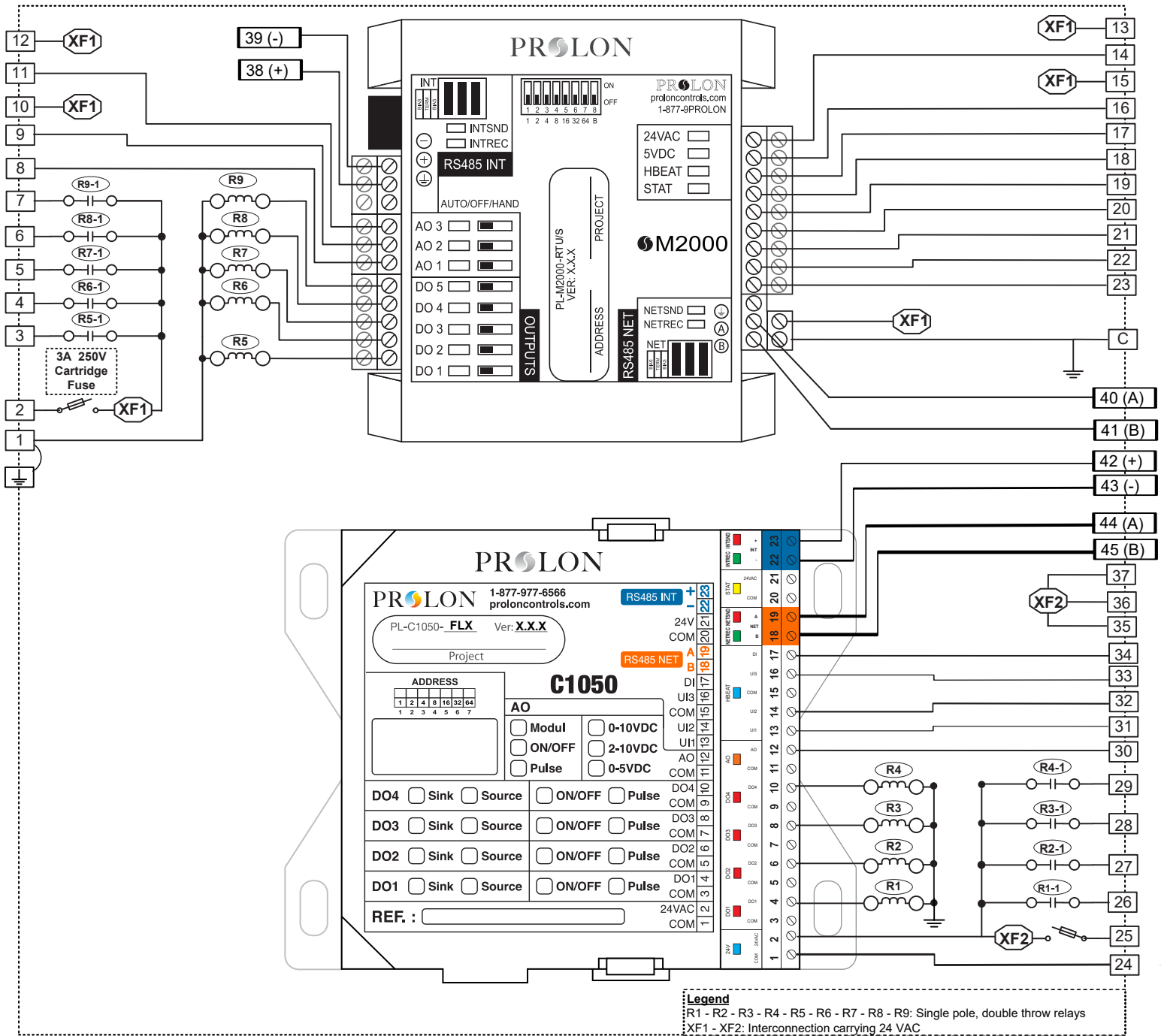


# PL-PN2-C1-FLX-M2-RTU/S

## Internal Electrical Wiring Diagram



Terminal	Function	Rating	Wiring Details
	GROUND	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
1 - 24	Power Supply Input Common	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
2	Supply Input 24 VAC (XF1)	24 VAC, 3 A, 60Hz	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
3	Fan Output (G)	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
4	Cooling Output 1 (Y1)	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
5	Cooling Output 2 (Y2)	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
6	Heating Output 1 (W1)	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
7	Heating Output 2 (W2) or Exhaust Fan	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
8	Modulating Heating Output	0-10VDC, 40 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
9	Economizer Control Output	0-10VDC, 40 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
10	Economizer Supply	24 VAC, 8.5 VA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
11	Bypass or VFD Control Output	0-10VDC, 40 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
12	Bypass or VFD Supply	24 VAC, 5 VA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
13	Static Pressure Sensor Supply	24 VAC, 0.03 A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
14	Static Pressure Sensor Input Signal	0-5 VDC, 5 uA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
15	CO2 Sensor Supply	24 VAC, 6.7 VA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
16	CO2 Sensor Input Signal	4-20 mA, 1-5VDC	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
17	Dry Contact for Proof of Fan	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
18	Zone Setpoint Potentiometer (0-9K)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
19	Zone Temperature Thermistor (10K Type 3)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
20	Variable Function Temperature Sensor	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
21	Supply Air Temperature Thermistor (10K Type 3)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
22	Return Air Temperature Thermistor (10K Type 3)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m

Terminal	Function	Rating	Wiring Details
23	Outside Air Temperature Thermistor (10K Type 3)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
25	Supply Input 24 VAC (XF2)	24 VAC, 3 A, 60Hz	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
26	Digital Output 1	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
27	Digital Output 2	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
28	Digital Output 3	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
29	Digital Output 4	24 VAC, 300 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
30	Analog Output 1	0-10VDC, 40 mA	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
31	Universal Input 1	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
32	Universal Input 2	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
33	Universal Input 3	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
34	Digital Input (dry contact)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
35	Power Supply 24 VAC	24 VAC, 60Hz	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
36	Power Supply 24 VAC	24 VAC, 60Hz	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
37	Power Supply 24 VAC	24 VAC, 60Hz	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
38 (+)	M2000 RS485 INT (+)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
39 (-)	M2000 RS485 INT (-)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
40 (A)	M2000 RS485 NET (A)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
41 (B)	M2000 RS485 NET (B)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
42 (+)	C1050 RS485 INT (+)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
43 (-)	C1050 RS485 INT (-)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
44 (A)	C1050 RS485 NET (A)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
45 (B)	C1050 RS485 NET (B)	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m
C	COMMON	N/A	Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5 m