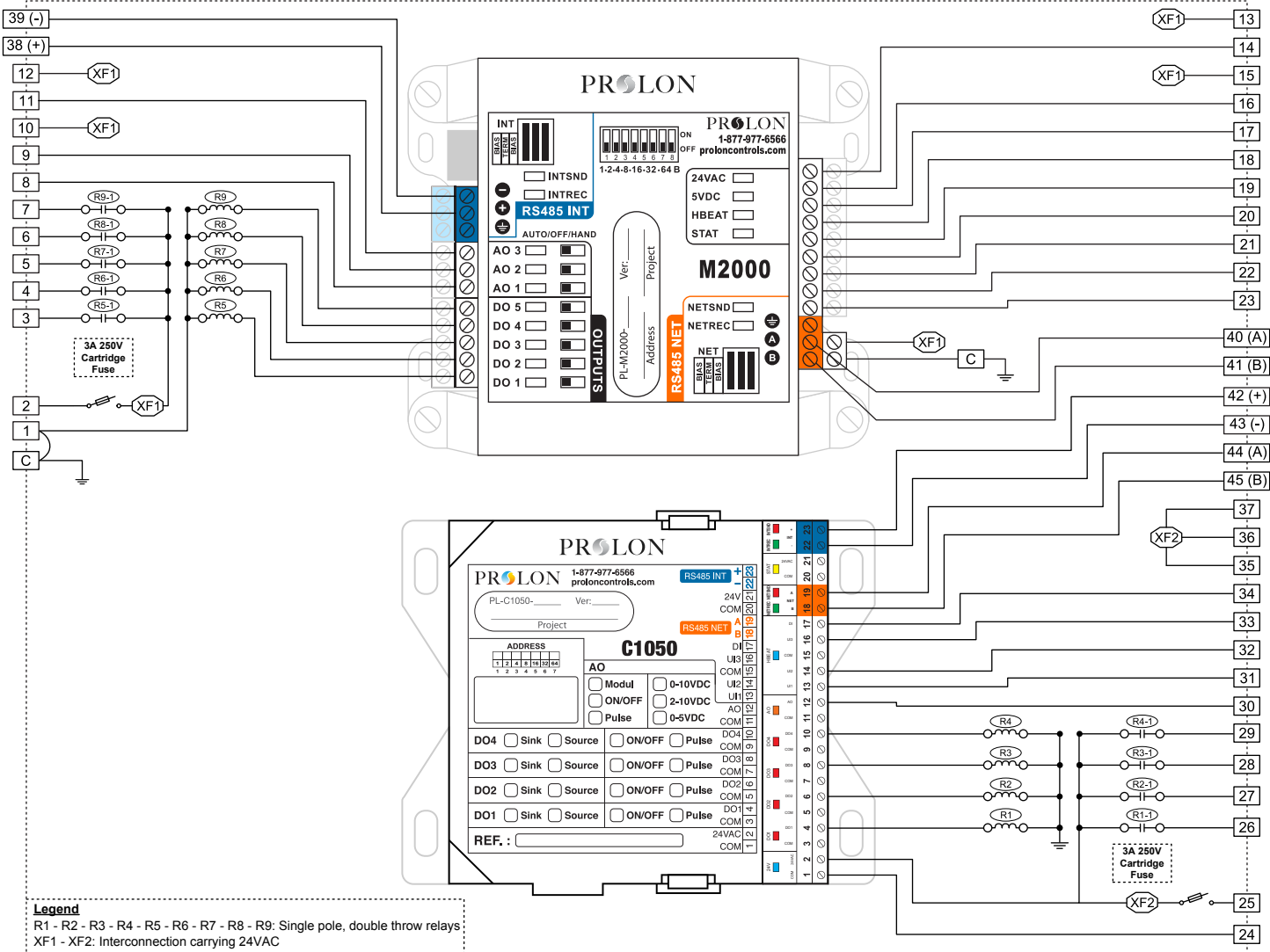


PL-PN2-C1-FLX-M2-BLR

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	Supply Water 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	Digital Output 1	24VAC, 300mA
3	Boiler Stage 1 Output	24VAC, 300mA	27	Digital Output 2	24VAC, 300mA
4	Boiler Stage 2 Output	24VAC, 300mA	28	Digital Output 3	24VAC, 300mA
5	Boiler Stage 3 Output	24VAC, 300mA	29	Digital Output 4	24VAC, 300mA
6	Boiler Stage 4 Output	24VAC, 300mA	30	Analog Output 1	0-10VDC, 40mA
7	Pump 1 Output	24VAC, 300mA	31	Universal Input 1	N/A
8	Pump 2 Output	0-10VDC, 40mA	32	Universal Input 2	N/A
9	Modulating Boiler Output	0-10VDC, 40mA	33	Universal Input 3	N/A
10	24VAC Supply	24VAC, 8.5VA	34	Digital Input (Dry Contact)	N/A
11	Valve or Backup Modulating Boiler	0-10VDC, 40mA	35	Power Supply 24VAC	24VAC, 60Hz
12	24VAC Supply	24VAC, 5VA	36	Power Supply 24VAC	24VAC, 60Hz
13	24VAC Supply	24VAC, 0.03A	37	Power Supply 24VAC	24VAC, 60Hz
14	N/A	0-5VDC, 5uA	38 (+)	M2000 RS485 INT A (+)	N/A
15	24VAC Supply	24VAC, 6.7VA	39 (-)	M2000 RS485 INT B (-)	N/A
16	N/A	4-20mA, 1-5VDC	40 (A)	M2000 RS485 NET A (+)	N/A
17	Dry Contact to Disable Boiler Call	N/A	41 (B)	M2000 RS485 NET B (-)	N/A
18	Dry Contact for Max Heat Setpoint	N/A	42 (+)	C1050 RS485 INT A (+)	N/A
19	Dry Contact for Proof of Pump 2	N/A	43 (-)	C1050 RS485 INT B (-)	N/A
20	Dry Contact for Proof of Pump 1	N/A	44 (A)	C1050 RS485 NET A (+)	N/A
21	Return Water Temp. Thermistor (10K Type 3)	N/A	45 (B)	C1050 RS485 NET B (-)	N/A
22	Supply Water 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.