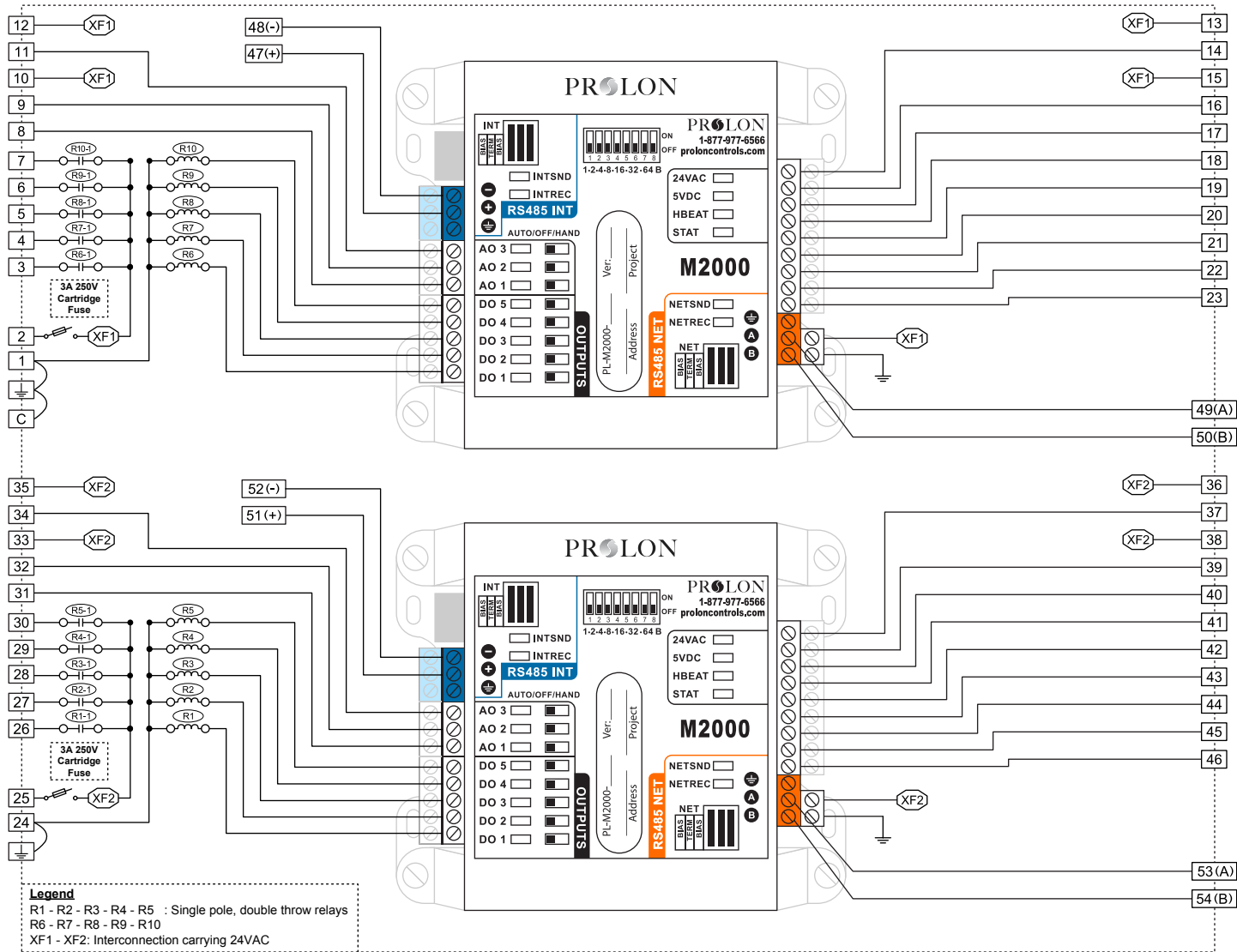


PL-PN2-M2-CHL-M2-FLX

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	Supply Input Common	N/A
2	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
3	Pump 1 (CHL) Output	24VAC, 300mA
4	Pump 2 (CHL) Output	24VAC, 300mA
5	Chiller 1 Output	24VAC, 300mA
6	Chiller 2 Output	24VAC, 300mA
7	Chiller 3 Output	24VAC, 300mA
8	VFD Pump 1 (CHL) Output	0-10VDC, 40mA
9	VFD Pump 2 (CHL) Output	0-10VDC, 40mA
10	Power Supply 24VAC	24VAC, 8.5VA
11	Chiller 4 Output	0-10VDC, 40mA
12	Power Supply 24VAC	24VAC, 5VA
13	Power Supply 24VAC	24VAC, 0.03A
14	Alarm (Dry Contact)	N/A
15	Power Supply 24VAC	24VAC, 6.7VA
16	Water Pressure	5VDC, 20mA
17	Condenser Water Temp Leaving	N/A
18	Condenser Water Temp Entering	N/A
19	Dry Contact for Proof of Pump 1 (CHL)	N/A
20	Dry Contact for Proof of Pump 2 (CHL)	N/A
21	CHL Return Water Temp Thermistor (10K Type 3)	N/A
22	CHL Supply Water Temp Thermistor (10K Type 3)	N/A
23	CHL Outside Water Temp Thermistor (10K Type 3)	N/A
47 (+)	M2000 RS485 INT A (+)	N/A
48 (-)	M2000 RS485 INT B (-)	N/A
49 (A)	M2000 RS485 NET A (+)	N/A
50 (B)	M2000 RS485 NET B (-)	N/A

Terminal	Function	Ratings
24	Supply Input Common	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	Digital Output 5	24VAC, 300mA
31	Analog Output 1	0-10VDC, 40mA
32	Analog Output 2	0-10VDC, 40mA
33	Power Supply 24VAC	24VAC, 8.5VA
34	Analog Output 3	0-10VDC, 40mA
35	Power Supply 24VAC	24VAC, 5VA
36	Power Supply 24VAC	24VAC, 0.03A
37	Analog Input 9	5VDC, 20mA
38	Power Supply 24VAC	24VAC, 6.7VA
39	Analog Input 8	5VDC, 20mA
40	Analog Input 7	5VDC, 20mA
41	Analog Input 6	5VDC, 20mA
42	Analog Input 5	5VDC, 20mA
43	Analog Input 4	5VDC, 20mA
44	Analog Input 3	5VDC, 20mA
45	Analog Input 2	5VDC, 20mA
46	Analog Input 1	5VDC, 20mA
51 (+)	M2000 RS485 INT A (+)	N/A
52 (-)	M2000 RS485 INT B (-)	N/A
53 (A)	M2000 RS485 NET A (+)	N/A
54 (B)	M2000 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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