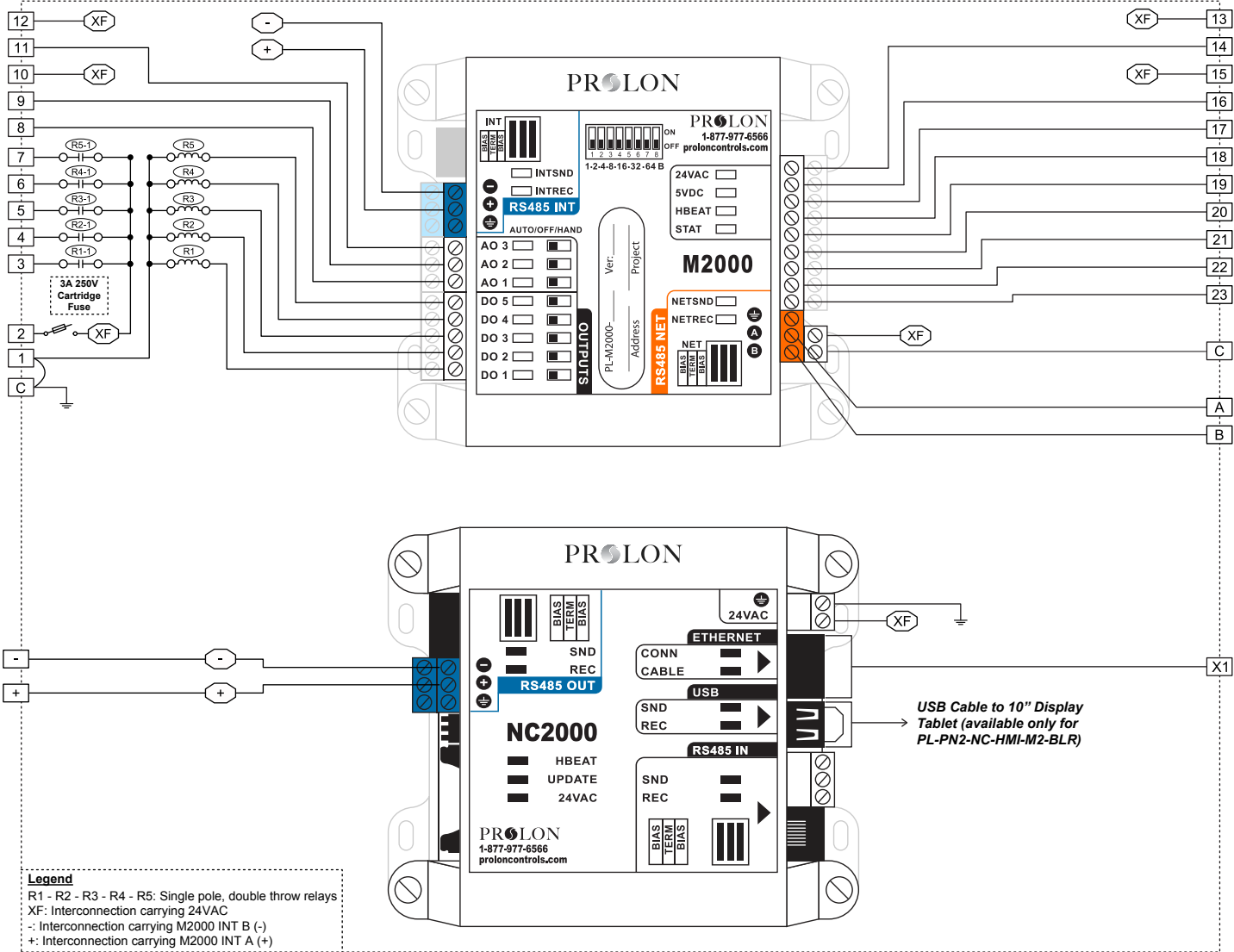


Internal Electrical Wiring Diagram



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	Power Supply Input Common	N/A
2	Power Supply Input 24VAC	24VAC, 3A, 60Hz
3	Boiler Stage 1 Output	24VAC, 300mA
4	Boiler Stage 2 Output	24VAC, 300mA
5	Boiler Stage 3 Output	24VAC, 300mA
6	Boiler Stage 4 Output	24VAC, 300mA
7	Pump 1 Output	24VAC, 300mA
8	Pump 2 Output	0-10VDC, 40mA
9	Modulating Boiler Output	0-10VDC, 40mA
10	24VAC Supply	24VAC, 8.5VA
11	Valve or Backup Modulating Boiler	0-10VDC, 40mA
12	24VAC Supply	24VAC, 5VA
13	24VAC Supply	24VAC, 0.03A
14	N/A	N/A

Terminal	Function	Ratings
15	24VAC Supply	24VAC, 6.7VA
16	N/A	N/A
17	Dry Contact to Disable Boiler Call	N/A
18	Dry Contact for Max Heat Setpoint	N/A
19	Dry Contact for Proof of Pump 2	N/A
20	Dry Contact for Proof of Pump 1	N/A
21	Return Water Temperature Thermistor (10K Type 3)	N/A
22	Supply Water Temperature Thermistor (10K Type 3)	N/A
23	Outside Air Temperature Thermistor (10K Type 3)	N/A
+	M2000 RS485 INT A (+)	N/A
-	M2000 RS485 INT B (-)	N/A
A	M2000 RS485 NET A (+)	N/A
B	M2000 RS485 NET B (-)	N/A
X1	NC2000 Ethernet Connection (Use CAT5e Patch Cable)	N/A
C	COMMON	N/A