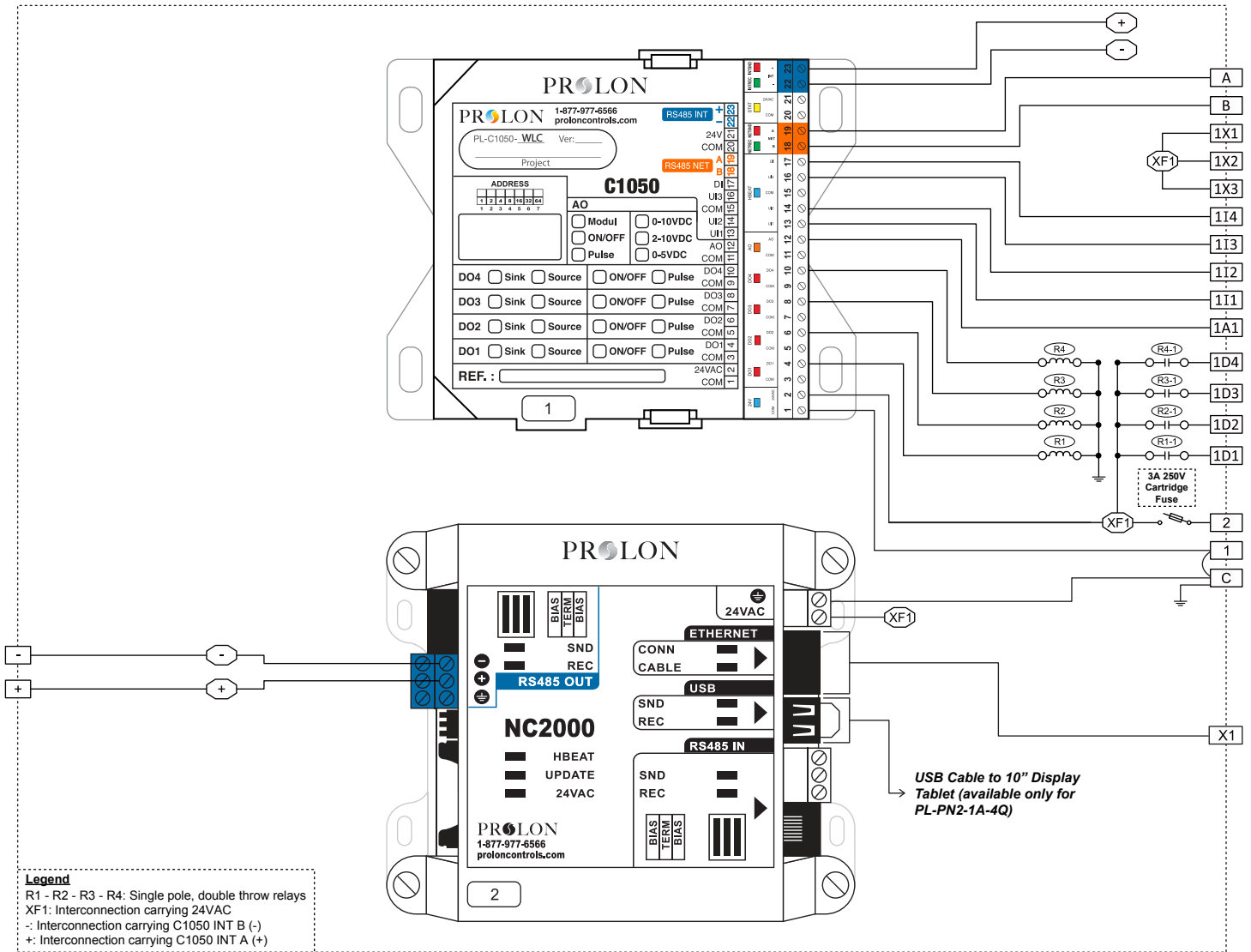


PL-PN2-1A-4Q / PL-PN2-1B-4Q

VERSION 8

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	1I4	Auxiliary Digital Input	N/A
1	Power Supply Input Common	N/A	1X3	Power Supply 24VAC	24VAC, 60Hz
2	Power Supply Input 24VAC	24VAC, 3A, 60Hz	1X2	Power Supply 24VAC	24VAC, 60Hz
1D1	(R1) - Output 1 - Boiler	24VAC, 300mA	1X1	Power Supply 24VAC	24VAC, 60Hz
1D2	(R2) - Output 2 - Valve / Damper / Cooling	24VAC, 300mA	+	C1050 RS485 INT A (+)	N/A
1D3	(R3) - Output 3 - Spray Pump	24VAC, 300mA	-	C1050 RS485 INT B (-)	N/A
1D4	(R4) - Output 4 - Water Tower Stage 1	24VAC, 300mA	A	C1050 RS485 NET A (+)	N/A
1A1	Output 4 - Water Tower Stage 2	0-10VDC, 40mA	B	C1050 RS485 NET B (-)	N/A
1I1	Auxiliary Temperature Sensor (10K thermistor)	N/A	X1	NC2000 Ethernet Connection (Use CAT5e Patch Cable)	N/A
1I2	Return Water Temperature Sensor (10K thermistor)	N/A	C	COMMON	N/A
1I3	Supply Water Temperature Sensor (10K thermistor)	N/A			