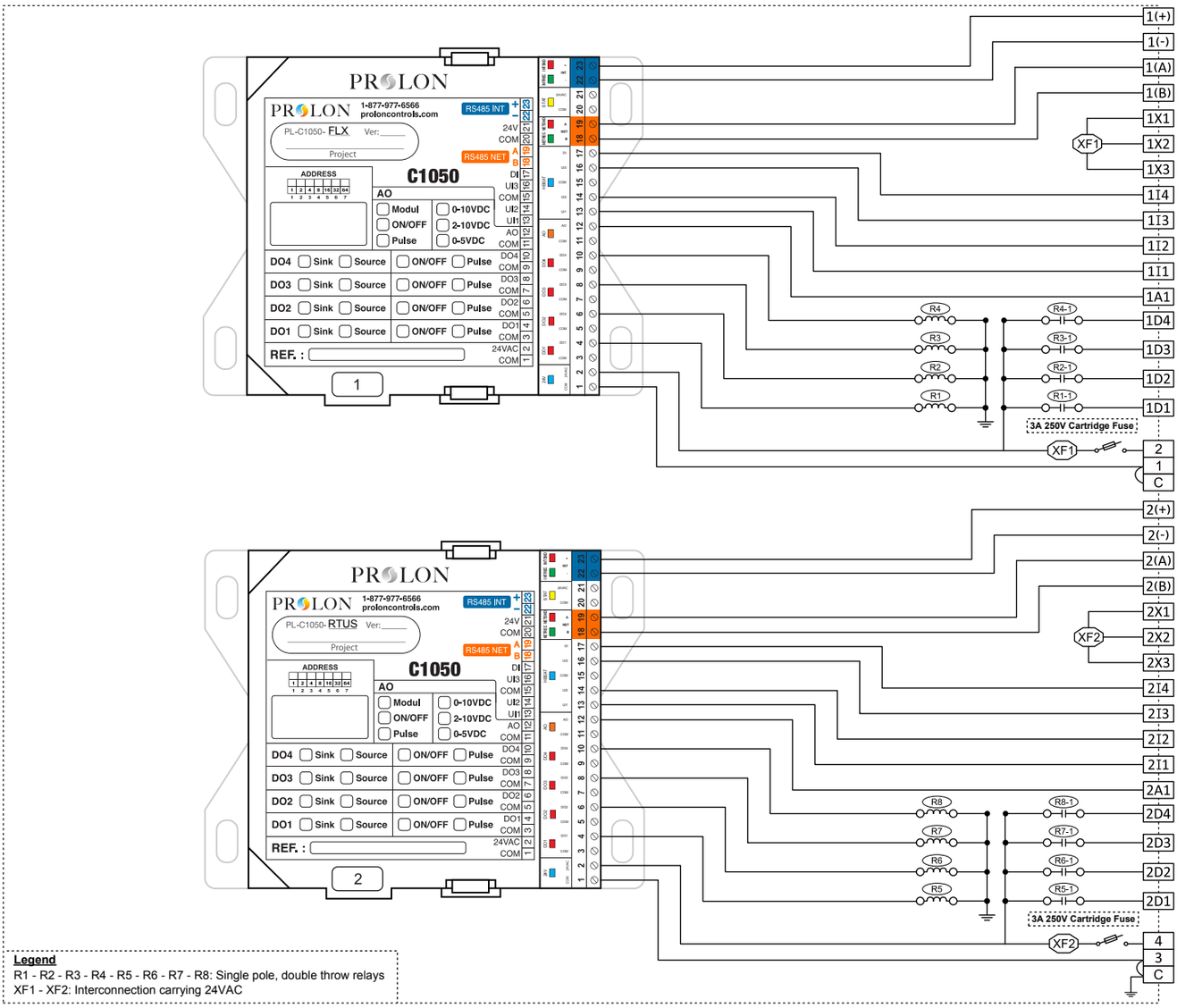
PL-PN2-4F-4N

VERSION 4

Internal Electrical Wiring Diagram



Legend
R1 - R2 - R3 - R4 - R5 - R6 - R7 - R8: Single pole, double throw relays
XF1 - XF2: Interconnection carrying 24VAC

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	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz
1D1	(R1) - Digital Output 1	24VAC, 300mA
1D2	(R2) - Digital Output 2	24VAC, 300mA
1D3	(R3) - Digital Output 3	24VAC, 300mA
1D4	(R4) - Digital Output 4	24VAC, 300mA
1A1	Analog Output 1	0-10VDC, 40mA
1I1	Universal Input 1	N/A
1I2	Universal Input 2	N/A
1I3	Universal Input 3	N/A
1I4	Digital Input (Dry Contact)	N/A
1X1	Power Supply 24VAC	24VAC, 3A, 60Hz
1X2	Power Supply 24VAC	24VAC, 3A, 60Hz
1X3	Power Supply 24VAC	24VAC, 3A, 60Hz
1(+)	C1050 RS485 INT (+)	N/A
1(-)	C1050 RS485 INT (-)	N/A
1(A)	C1050 RS485 NET (A)	N/A
1(B)	C1050 RS485 NET (B)	N/A

Terminal	Function	Ratings
3	Power Supply Input Common	N/A
4	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
2D1	(R5) - Output 1 - Fan (G)	24VAC, 300mA
2D2	(R6) - Output 2 - Cooling (Y1)	24VAC, 300mA
2D3	(R7) - Output 3 - Cooling (Y2)	24VAC, 300mA
2D4	(R8) - Output 4 - Heat (W1)	24VAC, 300mA
2A1	Output 5 (Analog 0-10VDC) -Preheating / Heat (W2)	0-10VDC, 40mA
2I1	Outside Air Temperature Sensor (10K Thermistor)	N/A
2I2	Return Air Temperature Sensor (10K Thermistor)	N/A
2I3	Supply Temperature Sensor (10K Thermistor)	N/A
2I4	External Dry Contact for Night Setback or Proof of Fan	N/A
2X1	Power Supply 24VAC	24VAC, 3A, 60Hz
2X2	Power Supply 24VAC	24VAC, 3A, 60Hz
2X3	Power Supply 24VAC	24VAC, 3A, 60Hz
2(+)	C1050 RS485 INT (+)	N/A
2(-)	C1050 RS485 INT (-)	N/A
2(A)	C1050 RS485 NET (A)	N/A
2(B)	C1050 RS485 NET (B)	N/A
C	COMMON	N/A

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