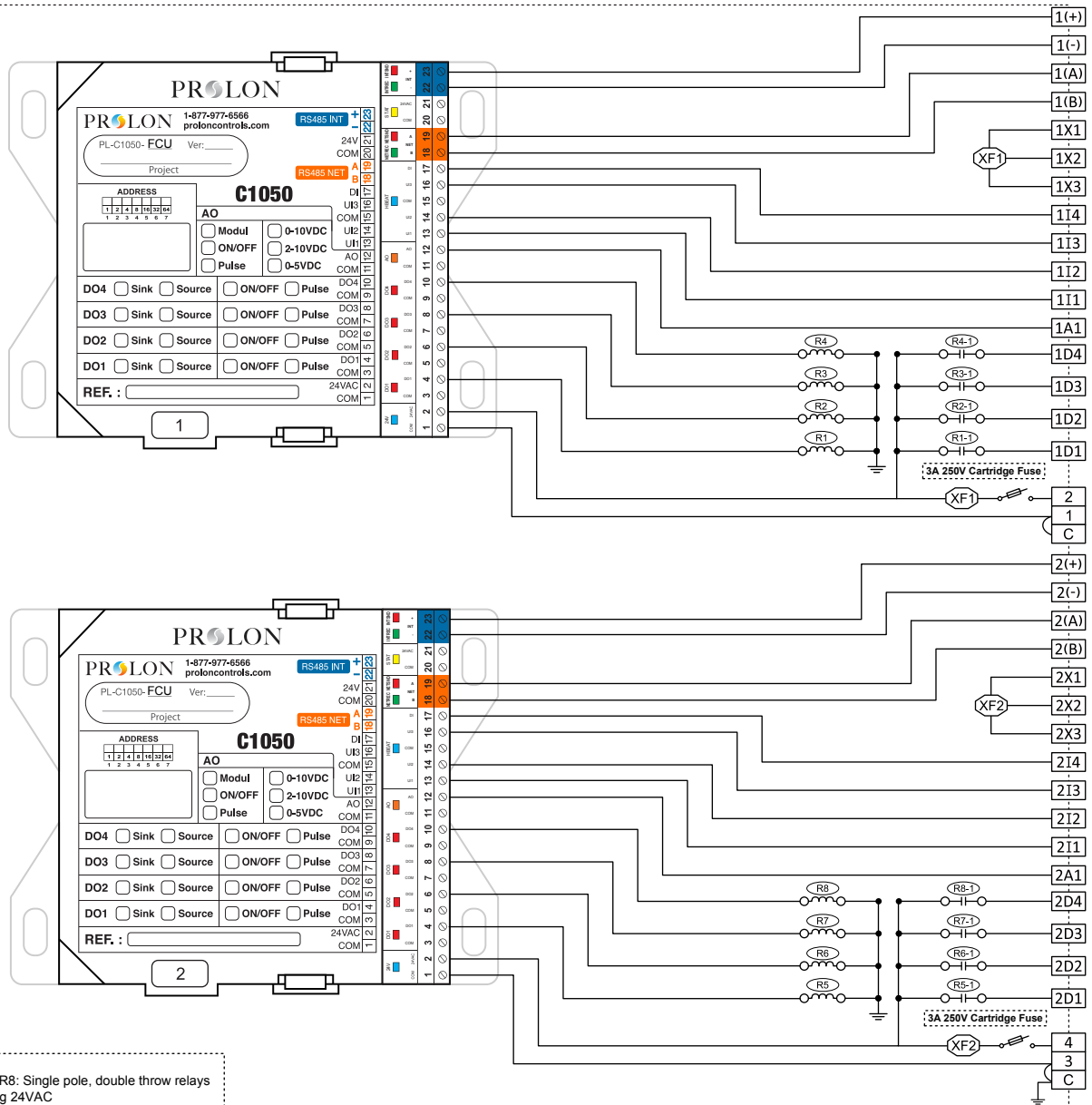


PL-PN2-4E-4E

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	Terminal	Function	Ratings
	GROUND	N/A	3	Power Supply Input Common	N/A
1	Power Supply Input Common	N/A	4	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz	2D1	(R5) - DO1 - Fan speed 1	24VAC, 300mA
1D1	(R1) - DO1 - Fan speed 1	24VAC, 300mA	2D2	(R6) - DO2 - Fan speed 2	24VAC, 300mA
1D2	(R2) - DO2 - Fan speed 2	24VAC, 300mA	2D3	(R7) - DO3 - Valve (ON/OFF)	24VAC, 300mA
1D3	(R3) - DO3 - Valve (ON/OFF)	24VAC, 300mA	2D4	(R8) - DO4 - Reheat (ON/OFF, pulsed)	24VAC, 300mA
1D4	(R4) - DO4 - Reheat (ON/OFF, pulsed)	24VAC, 300mA	2A1	AO1 - Modulating reheat	0-10VDC, 40mA
1A1	AO1 - Modulating reheat	0-10VDC, 40mA	2I1	AI1 - Outside air temperature	N/A
1I1	AI1 - Outside air temperature	N/A	2I2	AI2 - Pipe water temp/ Changeover	N/A
1I2	AI2 - Pipe water temp/ Changeover	N/A	2I3	AI3 - Supply air temperature	N/A
1I3	AI3 - Supply air temperature	N/A	2I4	DI - Alarm / Proof of fan	N/A
1I4	DI - Alarm / Proof of fan	N/A	2X1	Power Supply 24VAC	24VAC, 3A, 60Hz
1X1	Power Supply 24VAC	24VAC, 3A, 60Hz	2X2	Power Supply 24VAC	24VAC, 3A, 60Hz
1X2	Power Supply 24VAC	24VAC, 3A, 60Hz		Power Supply 24VAC	24VAC, 3A, 60Hz
	Power Supply 24VAC	24VAC, 3A, 60Hz	2(+)	C1050 RS485 INT (+)	N/A
1(+)	C1050 RS485 INT (+)	N/A	2(-)	C1050 RS485 INT (-)	N/A
1(-)	C1050 RS485 INT (-)	N/A	2(A)	C1050 RS485 NET (A)	N/A
1(A)	C1050 RS485 NET (A)	N/A	2(B)	C1050 RS485 NET (B)	N/A
1(B)	C1050 RS485 NET (B)	N/A	C	COMMON	N/A

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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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