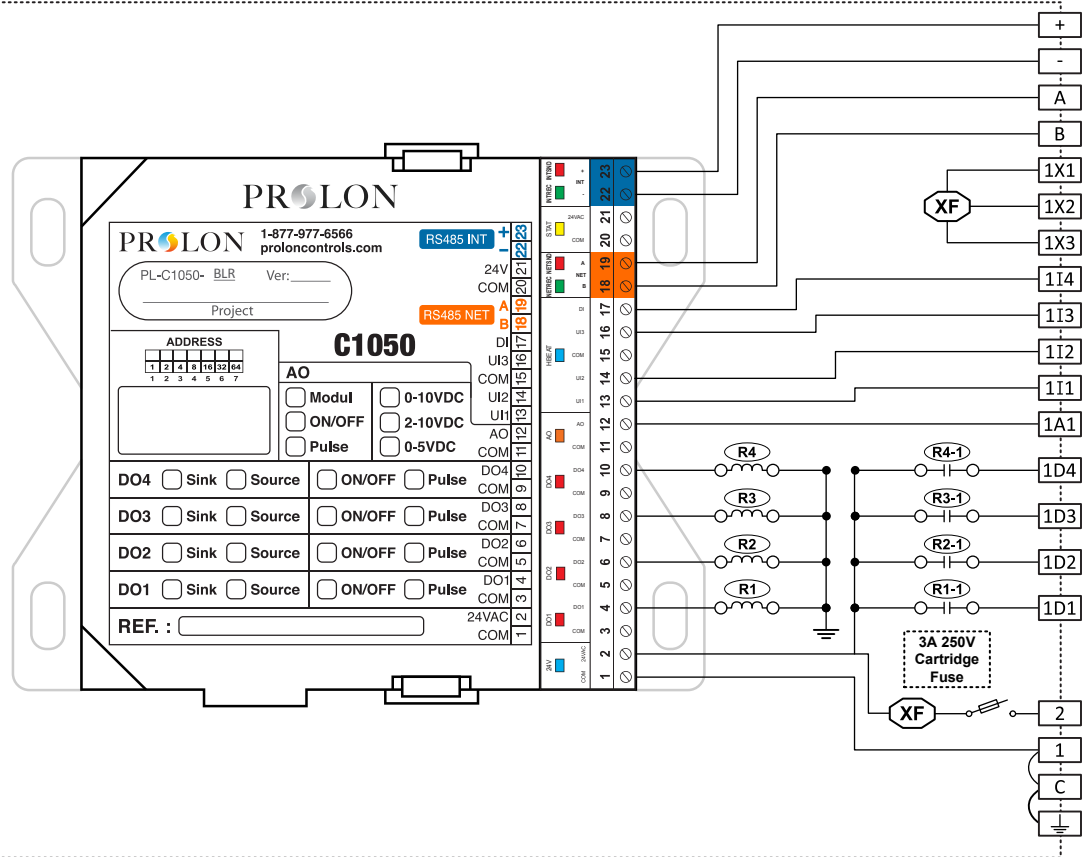


PL-PN1-4C

VERSION 5

Internal Electrical Wiring Diagram



Legend
R1 - R2 - R3 - R4 : Single pole, double throw relays
XF: 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	Power Supply Input 24VAC	24VAC, 3A, 60Hz
1D1	(R1) - Output 1 - Pump 1 action (digital - ON/OFF)	24VAC, 300mA
1D2	(R2) - Output 2 - Pump 2 action (digital - ON/OFF)	24VAC, 300mA
1D3	(R3) - Output 3 - Boiler 1 action (digital - ON/OFF)	24VAC, 300mA
1D4	(R4) - Output 4 - Boiler 2 action (digital - ON/OFF)	24VAC, 300mA
1A1	Output 5 - Valve (analog 0-10 / 2-10 / 0-5 VDC)	0-10VDC, 40mA
1I1	Outside air temperature sensor (10K thermistor)	N/A
1I2	Return water temperature sensor (10K thermistor)	N/A
1I3	Supply water temperature sensor (10K thermistor)	N/A

Terminal	Function	Ratings
1I4	External dry contact for proof of pump	N/A
1X3	Power Supply 24VAC	24VAC, 60Hz
1X2	Power Supply 24VAC	24VAC, 60Hz
1X1	Power Supply 24VAC	24VAC, 60Hz
+	C1050 RS485 INT A (+)	N/A
-	C1050 RS485 INT B (-)	N/A
A	C1050 RS485 NET A (+)	N/A
B	C1050 RS485 NET B (-)	N/A
C	COMMON	N/A
XF	24VAC Supply	24VAC, 60Hz

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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