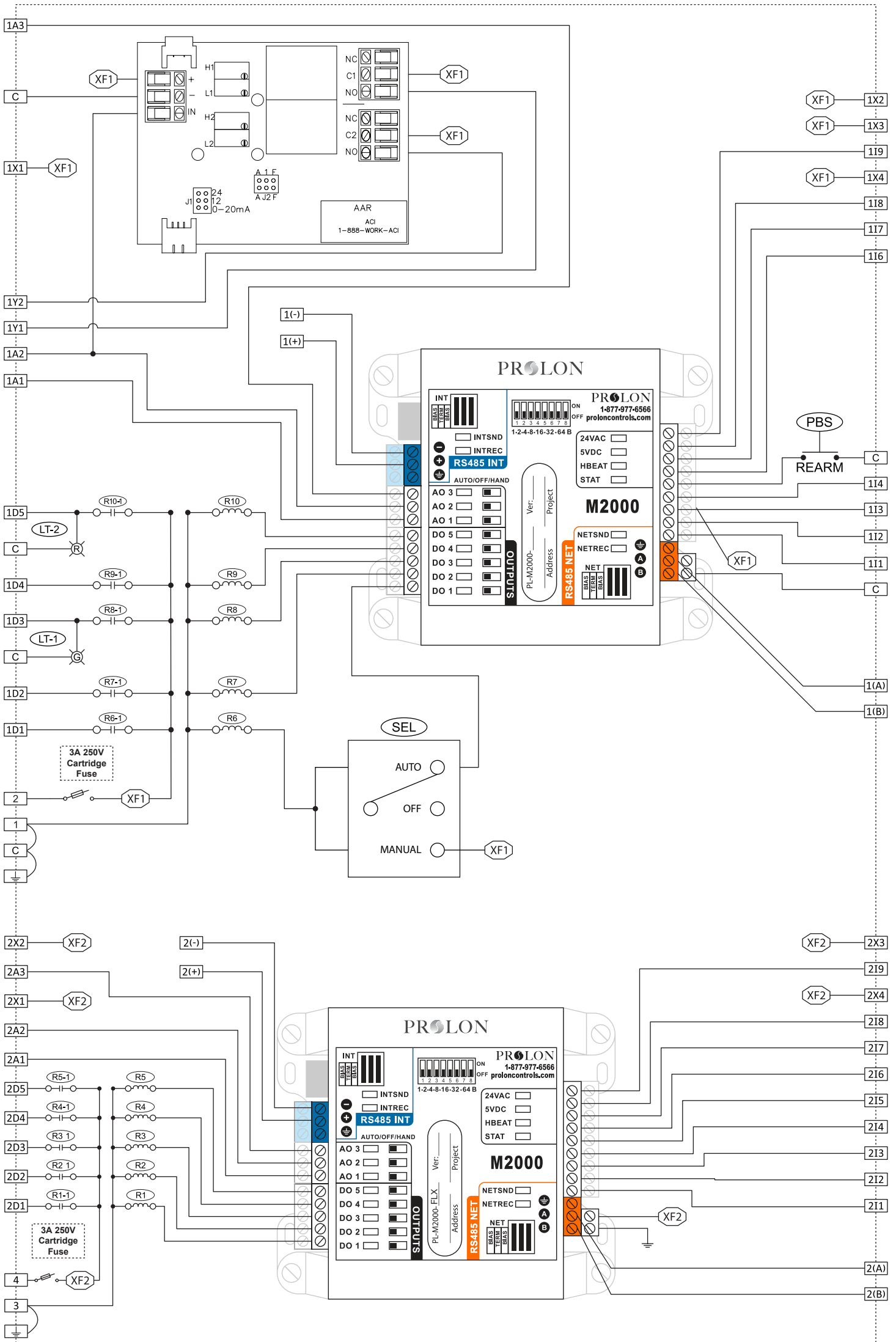


# PL-PN2A-M2-MUA-M2-FLX

VERSION 1

## Internal Electrical Wiring Diagram




### Legend

- R1 - R2 - R3 - R4 - R5 - R6 - R7 - R8 - R9 - R10: Single pole, double throw relays
- XF1 - XF2: Interconnection carrying 24VAC
- LT1 - LT2: LED 24VAC
- PBS: Pushbutton Switch
- SEL: Selection Switch

## 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	Supply Input Common	N/A
2	Supply Input 24VAC (XF1)	24VAC, 3A, 60Hz
1D1	Occupancy Output (R6)	24VAC, 300mA
1D2	Outside Air Damper Output (R7)	24VAC, 300mA
1D3	Fan Output (R8)	24VAC, 300mA
1D4	Preheat Permission Output (R9)	24VAC, 300mA
1D5	Alarm Output (R10)	24VAC, 300mA
1A1	Modulating Heat Output	0-10VDC, 40mA
1A2	Cooling Output / AN	0-10VDC, 40mA
1Y1	Cooling Output / Stage 1	24VAC, 300mA
1Y2	Cooling Output / Stage 2	24VAC, 300mA
1X1	24VAC Supply	24VAC, 8.5VA
1A3	VFD Output	0-10VDC, 40mA
1X2	VFD Supply	24VAC, 5VA
1X3	Static Pressure Sensor Supply	24VAC, 0.03A
1I9	CO2 / Building Pressure	0-5VDC, 20mA
1X4	CO2 Sensor Supply	24VAC, 6.7VA
1I8	Zone Temperature	N/A
1I7	Outside Temperature	N/A
1I6	Supply Temperature	N/A
1I4	Dry Contact for: Proof of Fan	N/A
1I3	Dry Contact for: Outside Air Damper	N/A
1I2	Dry Contact for: Exhaust 2 / Manual Override	N/A
1I1	Dry Contact for: Exhaust 1	N/A
1(+)	M2000 RS485 INT A (+)	N/A
1(-)	M2000 RS485 INT B (-)	N/A
1(A)	M2000 RS485 NET A (+)	N/A
1(B)	M2000 RS485 NET B (-)	N/A
C	COMMON	N/A

Terminal	Function	Ratings
3	Supply Input Common	N/A
4	Supply Input 24VAC (XF2)	24VAC, 3A, 60Hz
2D1	Digital Output 1 (R1)	24VAC, 300mA
2D2	Digital Output 2 (R2)	24VAC, 300mA
2D3	Digital Output 3 (R3)	24VAC, 300mA
2D4	Digital Output 4 (R4)	24VAC, 300mA
2D5	Digital Output 5 (R5)	24VAC, 300mA
2A1	Analog Output 1	0-10VDC, 40mA
2A2	Analog Output 2	0-10VDC, 40mA
2X1	Power Supply 24VAC	24VAC, 8.5VA
2A3	Analog Output 3	0-10VDC, 40mA
2X2	Power Supply 24VAC	24VAC, 5VA
2X3	Power Supply 24VAC	24VAC, 0.03A
2I9	Analog Input 9	5VDC, 20mA
2X4	Power Supply 24VAC	24VAC, 6.7VA
2I8	Analog Input 8	5VDC, 20mA
2I7	Analog Input 7	5VDC, 20mA
2I6	Analog Input 6	5VDC, 20mA
2I5	Analog Input 5	5VDC, 20mA
2I4	Analog Input 4	5VDC, 20mA
2I3	Analog Input 3	5VDC, 20mA
2I2	Analog Input 2	5VDC, 20mA
2I1	Analog Input 1	5VDC, 20mA
2(+)	M2000 RS485 INT A (+)	N/A
2(-)	M2000 RS485 INT B (-)	N/A
2(A)	M2000 RS485 NET A (+)	N/A
2(B)	M2000 RS485 NET B (-)	N/A
C	COMMON	N/A