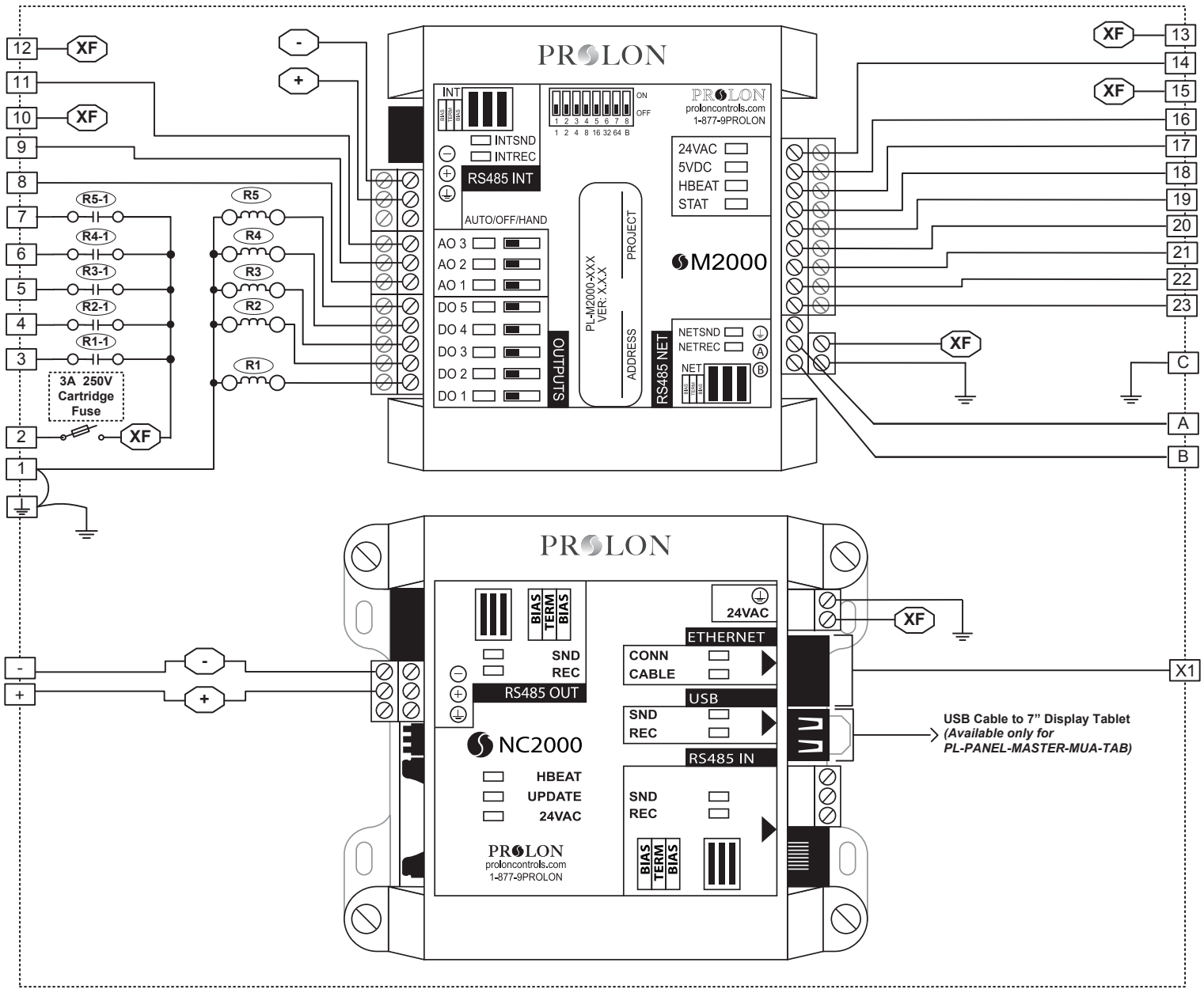


# PL-PANEL-MASTER-MUA(-TAB)

## Internal Electrical Wiring Diagram



**Legend:**

- XF Interconnection carrying 24 VAC
- + Interconnection carrying M2000 INT A(+)
- Interconnection carrying M2000 INT B(-)

R1
R2
R3  
R4
R5 Single pole, double throw relay

### Field Wiring Details

Terminal	Function	Ratings	Wiring Details
⏚	GROUND	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
1	Power Supply Input Common	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
2	Power Supply Input 24 VAC	24 VAC, 3 A, 60Hz	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
3	Occupancy Output	24 VAC, 300 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
4	Outside Air Damper Output	24 VAC, 300 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
5	Fan Output	24 VAC, 300 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
6	Preheat Permission Output	24 VAC, 300 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
7	Alarm Output	24 VAC, 300 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
8	Modulating Heat Output	0-10 VDC, 40 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
9	Cooling Output	0-10 VDC, 40 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
10	24 VAC Supply	24 VAC, 8.5 VA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
11	VFD Output	0-10 VDC, 40 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
12	VFD Supply	24 VAC, 5 VA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
13	Static Pressure Sensor Supply	24 VAC, 0.03 A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
14	CO2 / Building Pressure	0-5 VDC, 20 mA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
15	CO2 Sensor Supply	24 VAC, 6.7 VA	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
16	Zone Temperature	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
17	Outside Temperature	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
18	Supply Temperature	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
19	Dry Contact for: Manual Reset	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
20	Dry Contact for: Proof of Outside Air Damper	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
21	Dry Contact for: Outside Air Damper	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
22	Dry Contact for: Exhaust 2 / Manual override	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
23	Dry Contact for: Exhaust 1	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
+	M2000 RS485 INT A (+)	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
-	M2000 RS485 INT B (-)	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
A	M2000 RS485 NET A (+)	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
B	M2000 RS485 NET B (-)	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm
X1	NC2000 Ethernet Connection	N/A	Use CAT5e Patch Cable
C	COMMON	N/A	Use Copper Conductors Only, 60°C/140°F, Maximum Torque Conductor Mounting: 0.5Nm

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.

