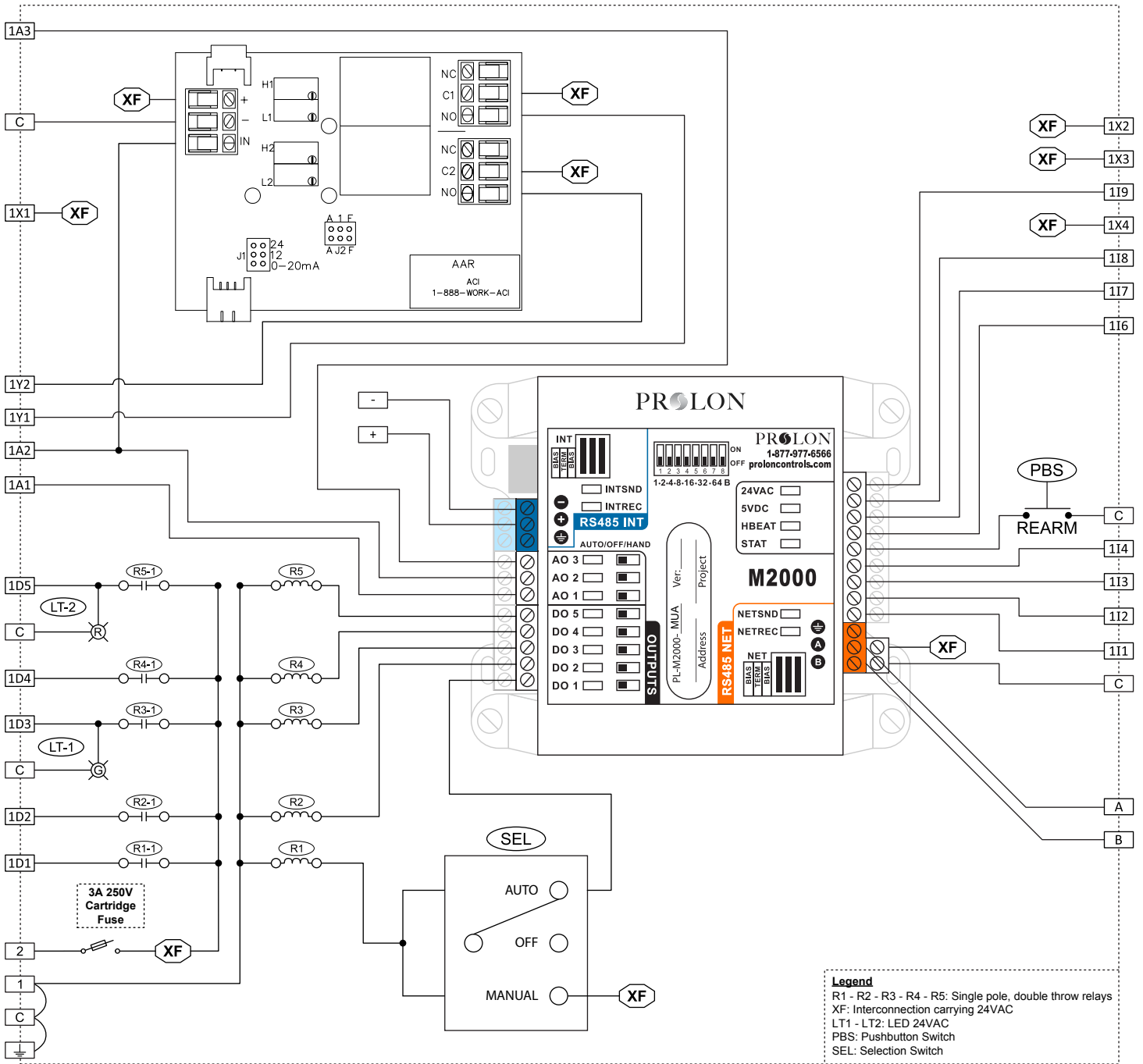


Internal Electrical Wiring Diagram



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 | 24VAC, 3A, 60Hz |
| 1D1 | (R1) - Occupancy Output | 24VAC, 300mA |
| 1D2 | (R2) - Outside Air Damper Output | 24VAC, 300mA |
| 1D3 | (R3) - Fan Output | 24VAC, 300mA |
| 1D4 | (R4) - Preheat Permission Output | 24VAC, 300mA |
| 1D5 | (R5) - Alarm Output | 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 |

| Terminal | Function | Ratings |
|----------|--|--------------|
| 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 |
| + | M2000 RS485 INT A (+) | N/A |
| - | M2000 RS485 INT B (-) | N/A |
| A | M2000 RS485 NET A (+) | N/A |
| B | M2000 RS485 NET B (-) | N/A |
| C | COMMON | N/A |