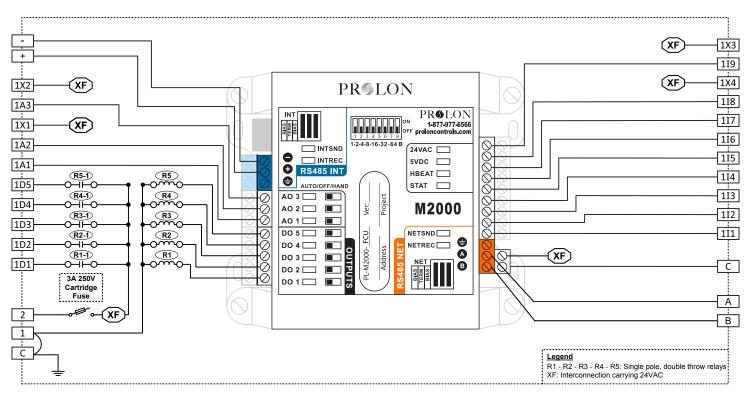
PL-PN1-7E

Internal Electrical Wiring Diagram (Two-Pipe System)



Field Wiring Details

ALL TERMINALS: Use Copper Conductors Only, 105°C/220°F, Maximum Torque Conductor Mounting: 0.5Nm

| Terminal | Function | Ratings |
|----------|------------------------------------|-----------------|
| Ŧ | GROUND | N/A |
| 1 | Power Supply Input Common | N/A |
| 2 | Power Supply Input 24VAC | 24VAC, 3A, 60Hz |
| 1D1 | R1 - DO1 - Fan Speed 1 | 24VAC, 300mA |
| 1D2 | R2 - DO2 - Fan Speed 2 | 24VAC, 300mA |
| 1D3 | (R3) - DO3 - N/A | N/A |
| 1D4 | R4 - DO4 - Valve (ON/OFF) | 24VAC, 300mA |
| 1D5 | R5 - DO5 - Reheat (ON/OFF, Pulsed) | 24VAC, 300mA |
| 1A1 | AO1 - Modulating Reheat | 0-10VDC, 40mA |
| 1A2 | AO2 - Modulating Valve | 0-10VDC, 40mA |
| 1X1 | 24VAC Supply | 24VAC, 8.5VA |
| 1A3 | AO3 - N/A | N/A |
| 1X2 | 24VAC Supply | 24VAC, 5VA |
| 1X3 | 24VAC Supply | 24VAC, 0.03A |
| 119 | AI9 - N/A | N/A |

| Terminal | Function | Ratings |
|----------|---|--------------|
| 1X4 | 24VAC Supply | 24VAC, 6.7VA |
| 118 | AI8 - Alarm (Dry Contact) | N/A |
| 117 | AI7 - Proof of Fan (Dry Contact) | N/A |
| 116 | Al6 - Zone Setpoint ((0-9K) for potentiometer) | N/A |
| 1I5 | AI5 - Zone Air Temperature (10K Type 3) | N/A |
| 1I4 | N/A | N/A |
| 1I3 | Al3 - Supply Air Temperture (10K Type 3) | N/A |
| 1I2 | Al2 - Pipe Water Temperature / Changeover (10K Type 3) | N/A |
| 1I1 | AI1 - Outside Air Temperature Thermistor (10K Type 3) | N/A |
| + | M2000 RS485 INT A (+) | N/A |
| - | M2000 RS485 INT B (-) | N/A |
| А | M2000 RS485 NET A (+) | N/A |
| В | M2000 RS485 NET B (-) | N/A |
| С | COMMON | N/A |



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.