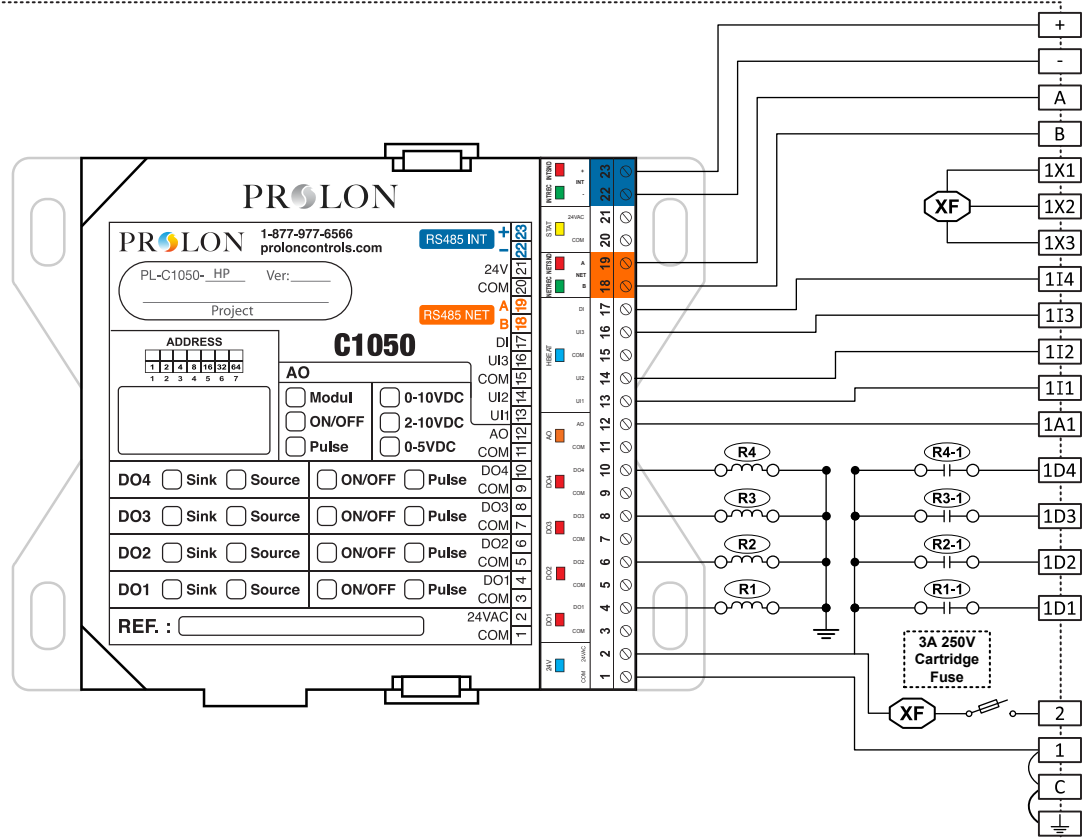


Internal Electrical Wiring Diagram



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 - Fan (G) | 24VAC, 300mA |
| 1D2 | (R2) - Output 2 - Compressor 1 | 24VAC, 300mA |
| 1D3 | (R3) - Output 3 - Rev Valve | 24VAC, 300mA |
| 1D4 | (R4) - Output 4 - Aux Heat | 24VAC, 300mA |
| 1A1 | Output 5 - Preheating / Aux Heat / Econo | 0-10VDC, 40mA |
| 111 | Outside Temp (10K), Water Intake Temp (10K) or Dry Contact for Alarm | N/A |
| 112 | Return Temperature Sensor (10K Thermistor) | N/A |
| 113 | Supply Temperature Sensor (10K Thermistor) | N/A |

| Terminal | Function | Ratings |
|----------|--|-----------------|
| 1I4 | External Dry Contact for Night Setback or Proof of Fan | N/A |
| 1X3 | Power Supply 24VAC | 24VAC, 3A, 60Hz |
| 1X2 | Power Supply 24VAC | 24VAC, 3A, 60Hz |
| 1X1 | Power Supply 24VAC | 24VAC, 3A, 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 |