

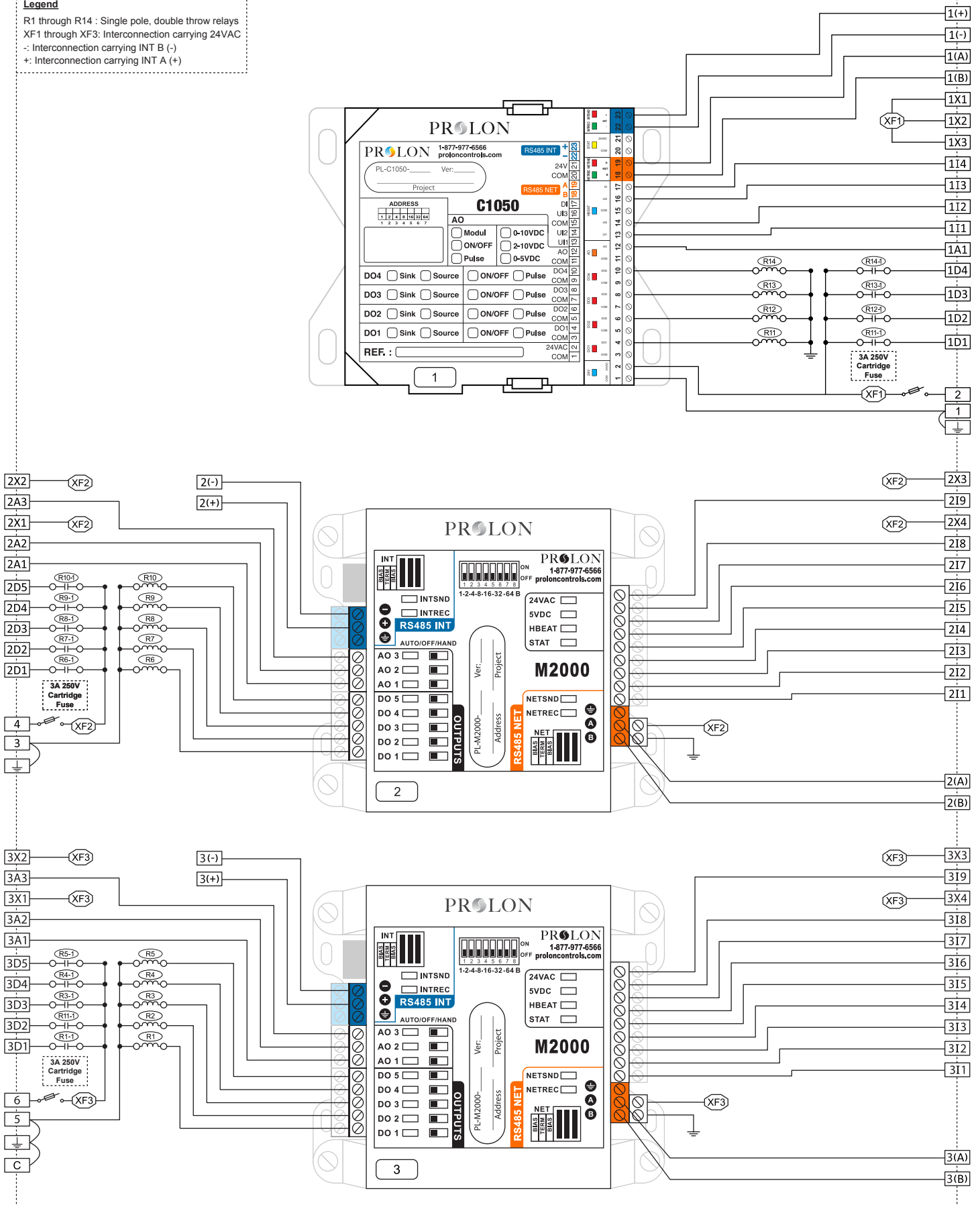
PL-PN3-4X-7X-7X

Internal Electrical Wiring Diagram

VERSION 1

Legend

R1 through R14 : Single pole, double throw relays
 XF1 through XF3: Interconnection carrying 24VAC
 -: Interconnection carrying INT B (-)
 +: Interconnection carrying INT A (+)



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 | Supply Input 24VAC (XF1) | 24VAC, 3A, 60Hz |
| 1D1 | (R11) - Digital Output 1 | 24VAC, 300mA |
| 1D2 | (R12) - Digital Output 2 | 24VAC, 300mA |
| 1D3 | (R13) - Digital Output 3 | 24VAC, 300mA |
| 1D4 | (R14) - Digital Output 4 | 24VAC, 300mA |
| 1A1 | Analog Output 1 | 0-10VDC, 40mA |
| 1I1 | Universal Input 1 | N/A |
| 1I2 | Universal Input 2 | N/A |
| 1I3 | Universal Input 3 | N/A |
| 1I4 | Digital Input (Dry Contact) | N/A |
| 1X1 | Power Supply 24VAC | 24VAC, 3A, 60Hz |
| 1X2 | Power Supply 24VAC | 24VAC, 3A, 60Hz |
| 1X3 | Power Supply 24VAC | 24VAC, 3A, 60Hz |
| 1(+) | C1050 RS485 INT (+) | N/A |
| 1(-) | C1050 RS485 INT (-) | N/A |
| 1(A) | C1050 RS485 NET (A) | N/A |
| 1(B) | C1050 RS485 NET (B) | N/A |
| 3 | Power Supply Input Common | N/A |
| 4 | Power Supply Input 24VAC (XF2) | 24VAC, 3A, 60Hz |
| 2D1 | (R6) - Digital Output 1 | 24VAC, 300mA |
| 2D2 | (R7) - Digital Output 2 | 24VAC, 300mA |
| 2D3 | (R8) - Digital Output 3 | 24VAC, 300mA |
| 2D4 | (R9) - Digital Output 4 | 24VAC, 300mA |
| 2D5 | (R10) - Digital Output 5 | 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 24 VAC | 24VAC, 5VA |
| 2X3 | Power Supply 24 VAC | 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 |

| Terminal | Function | Ratings |
|----------|--------------------------------|-----------------|
| 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 |
| 5 | Power Supply Input Common | N/A |
| 6 | Power Supply Input 24VAC (XF3) | 24VAC, 3A, 60Hz |
| 3D1 | (R1) - Digital Output 1 | 24VAC, 300mA |
| 3D2 | (R2) - Digital Output 2 | 24VAC, 300mA |
| 3D3 | (R3) - Digital Output 3 | 24VAC, 300mA |
| 3D4 | (R4) - Digital Output 4 | 24VAC, 300mA |
| 3D5 | (R5) - Digital Output 5 | 24VAC, 300mA |
| 3A1 | Analog Output 1 | 0-10VDC, 40mA |
| 3A2 | Analog Output 2 | 0-10VDC, 40mA |
| 3X1 | Power Supply 24VAC | 24VAC, 8.5VA |
| 3A3 | Analog Output 3 | 0-10VDC, 40mA |
| 3X2 | Power Supply 24 VAC | 24VAC, 5VA |
| 3X3 | Power Supply 24 VAC | 24VAC, 0.03A |
| 3I9 | Analog Input 9 | 5VDC, 20mA |
| 3X4 | Power Supply 24VAC | 24VAC, 6.7VA |
| 3I8 | Analog Input 8 | 5VDC, 20mA |
| 3I7 | Analog Input 7 | 5VDC, 20mA |
| 3I6 | Analog Input 6 | 5VDC, 20mA |
| 3I5 | Analog Input 5 | 5VDC, 20mA |
| 3I4 | Analog Input 4 | 5VDC, 20mA |
| 3I3 | Analog Input 3 | 5VDC, 20mA |
| 3I2 | Analog Input 2 | 5VDC, 20mA |
| 3I1 | Analog Input 1 | 5VDC, 20mA |
| 3(+) | M2000 RS485 INT A (+) | N/A |
| 3(-) | M2000 RS485 INT B (-) | N/A |
| 3(A) | M2000 RS485 NET A (+) | N/A |
| 3(B) | M2000 RS485 NET B (-) | N/A |
| C | COMMON | N/A |



1-877-9PROLON

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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.

info@proloncontrols.com