

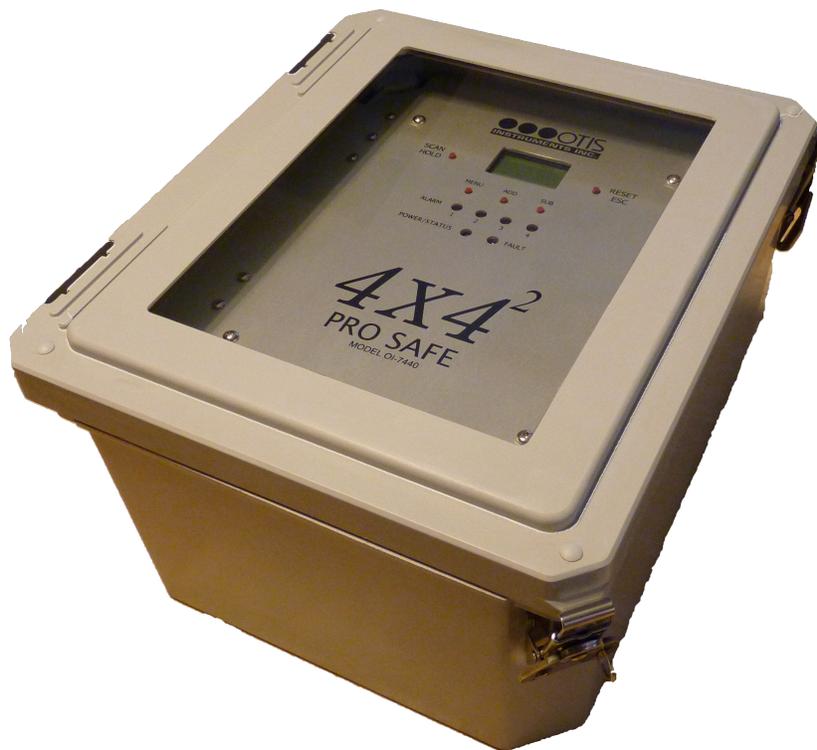
# GEN<sup>2</sup>

Model OI-7440-R

## 4x4<sup>2</sup> ProSafe

### WireFree Converter Configuration Guide

*Revision 1.0w*

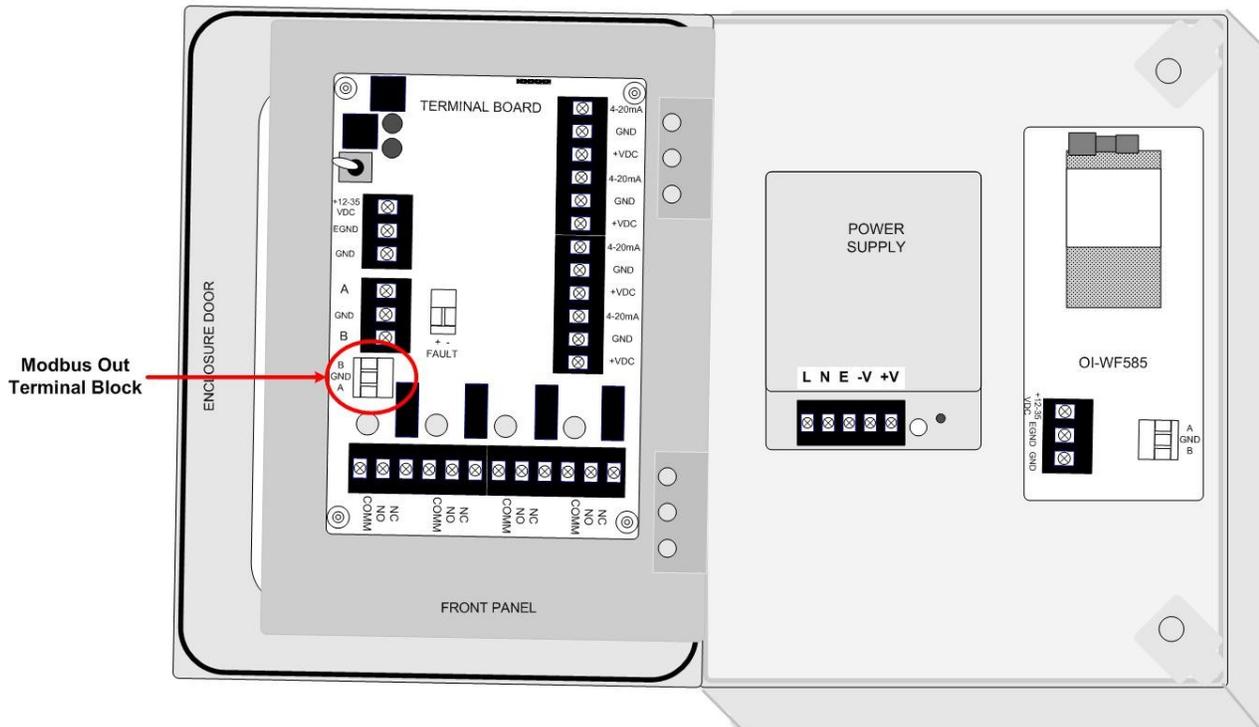


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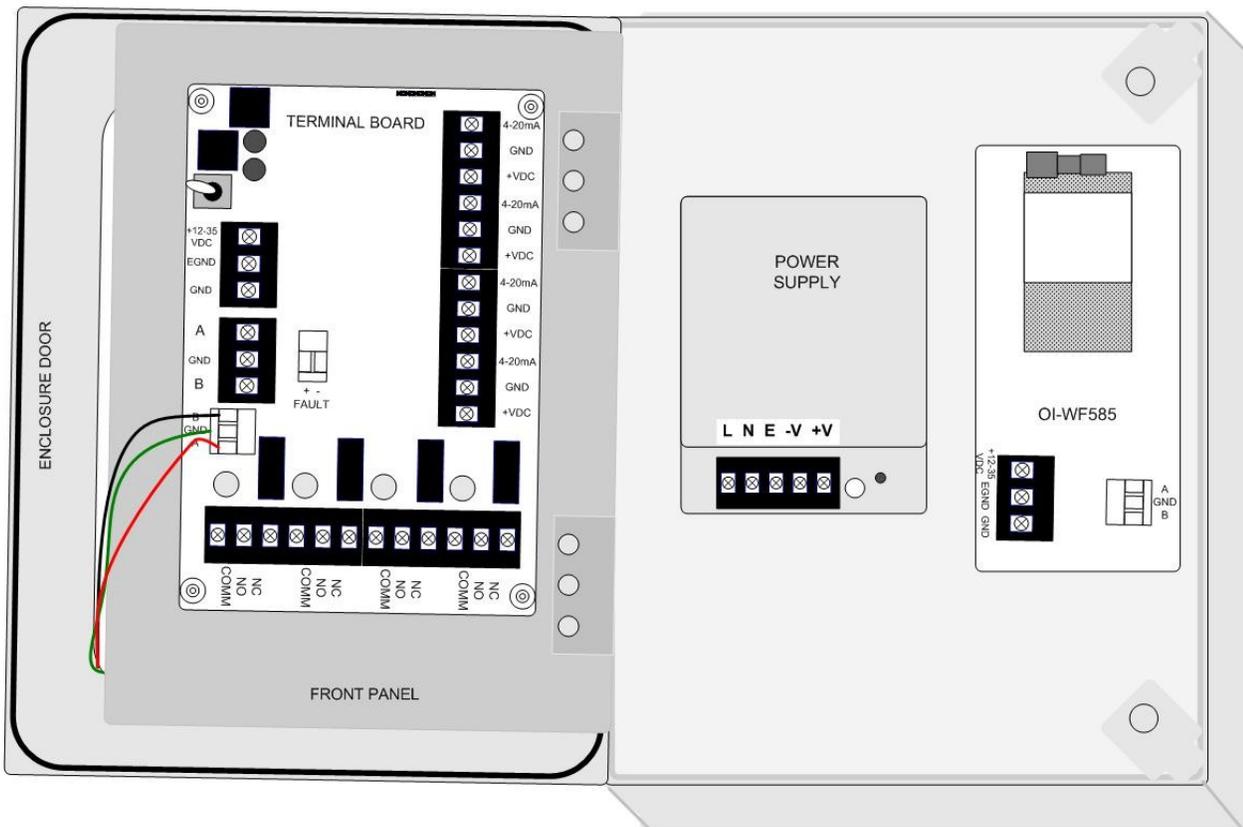
## Modbus Conversion: OI-7440 to OI-WF585

1. Locate the “Modbus Out” Terminal Block on the OI-7440 Terminal Board.



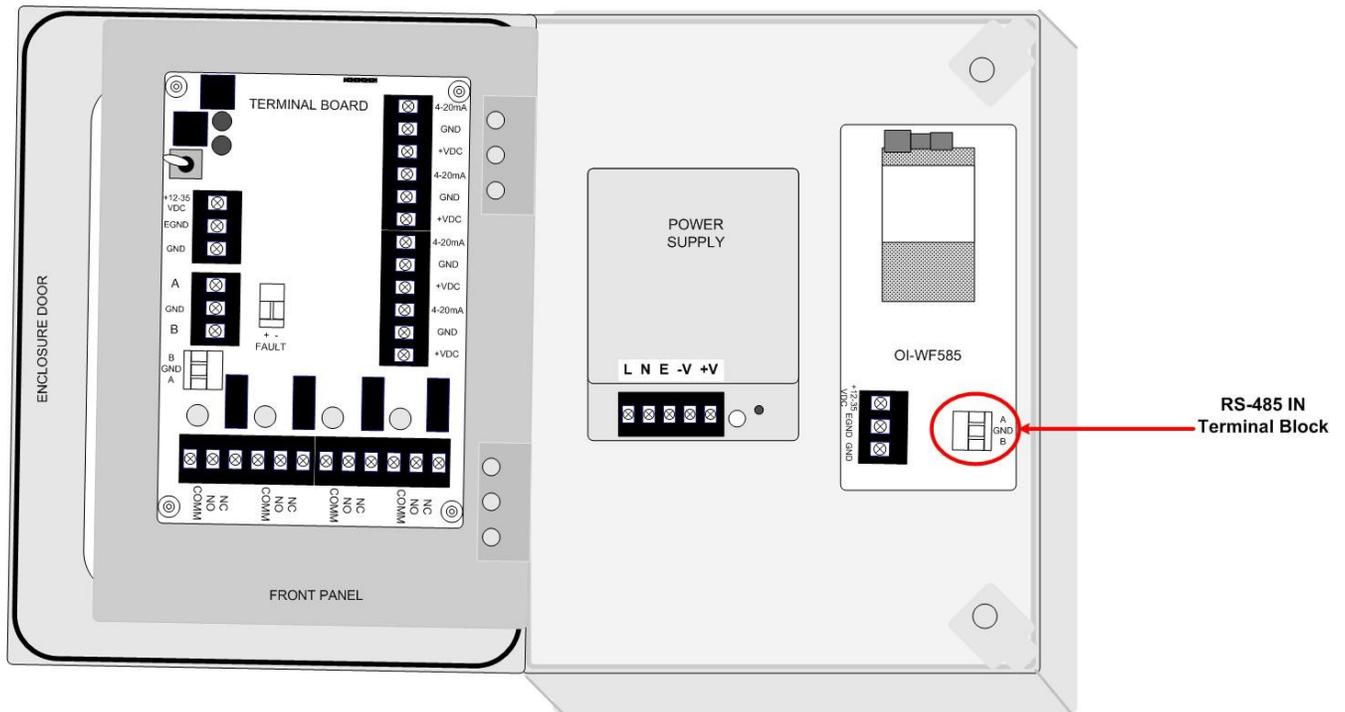
*Modbus Conversion: OI-7440 to OI-WF585 cont...*

2. Connect a black wire to the terminal labeled “B” on the OI-7440 Modbus Out Terminal Block.
3. Connect a green (ground) wire to the terminal labeled “GND” on the OI-7440 Modbus Out Terminal Block.
4. Connect a red wire to the terminal labeled “A” on the OI-7440 Modbus Out Terminal Block.



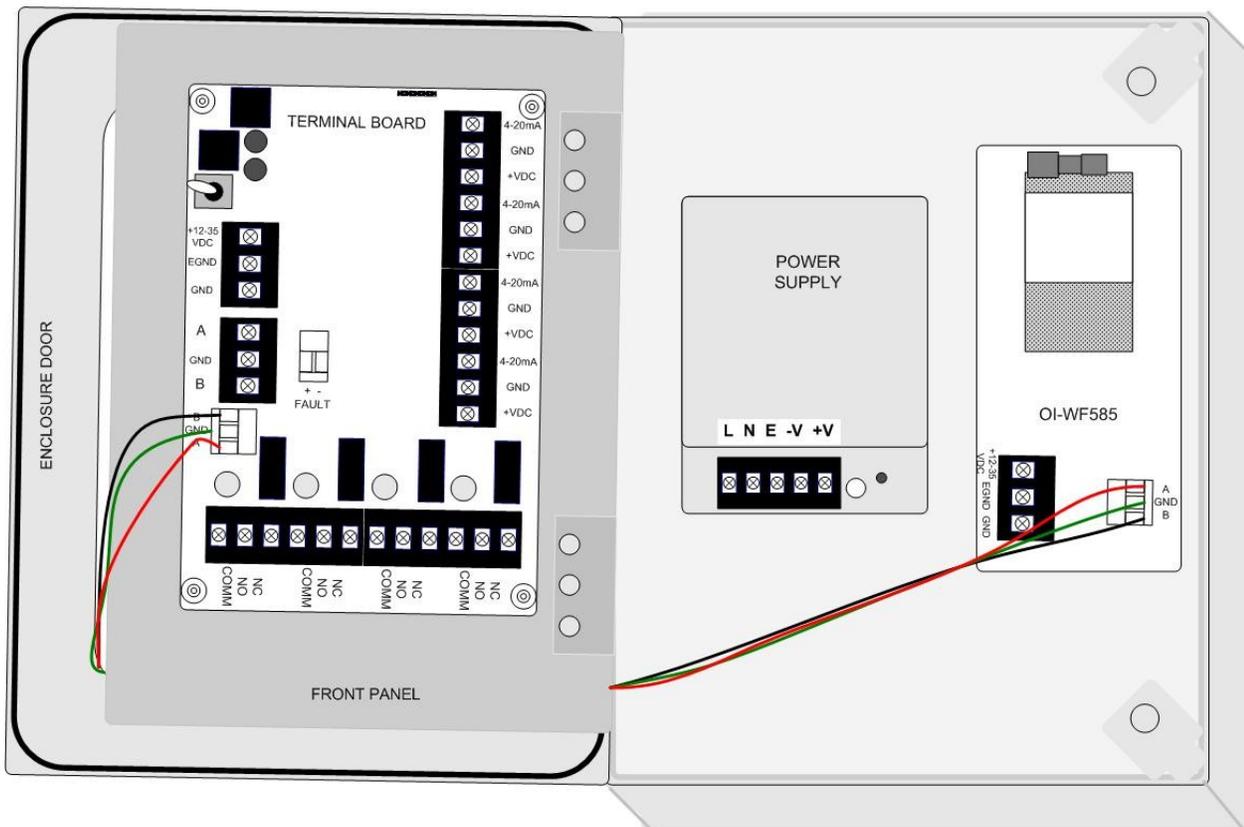
*Modbus Conversion: OI-7440 to OI-WF585 cont...*

5. Locate the RS-485 IN Terminal Block on the OI-WF585.



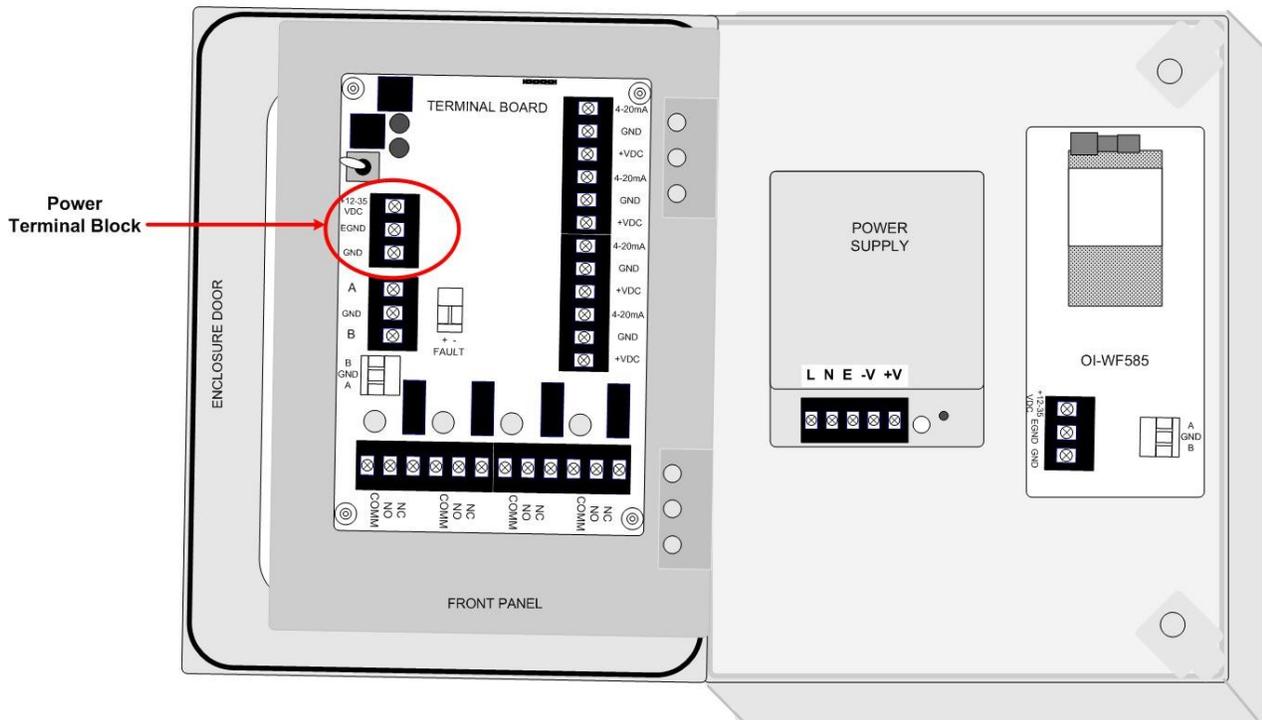
*Modbus Conversion: OI-7440 to OI-WF585 cont...*

6. Connect a black wire to the terminal labeled “B” on the OI-WF585 RS-485 IN Terminal Block.
7. Connect a green (ground) wire to the terminal labeled “GND” on the OI-WF585 RS-485 IN Terminal Block.
8. Connect a red wire to the terminal labeled “A” on the OI-WF585 RS-485 IN Terminal Block.



# Connecting DC Power to the OI-7440

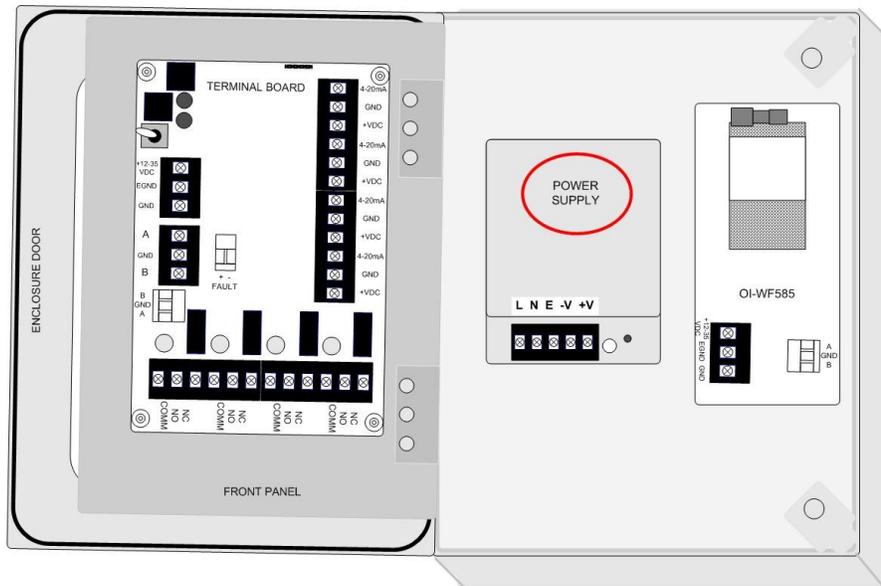
1. Locate the Power Terminal Block on the OI-7440 Terminal Board.



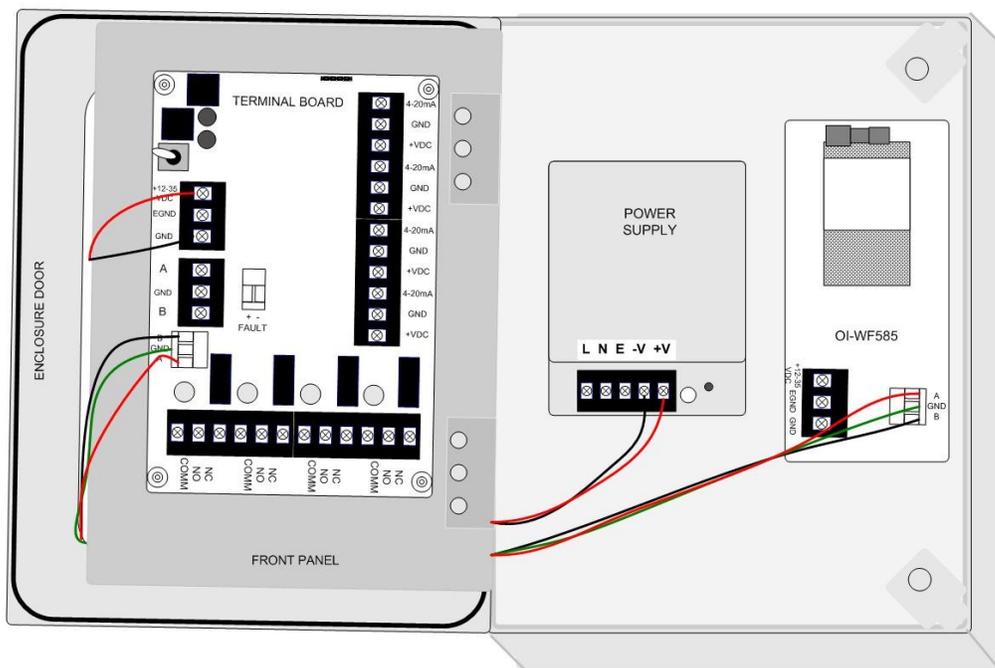


Connecting DC Power to the OI-7440 cont...

4. Locate the Power Supply.

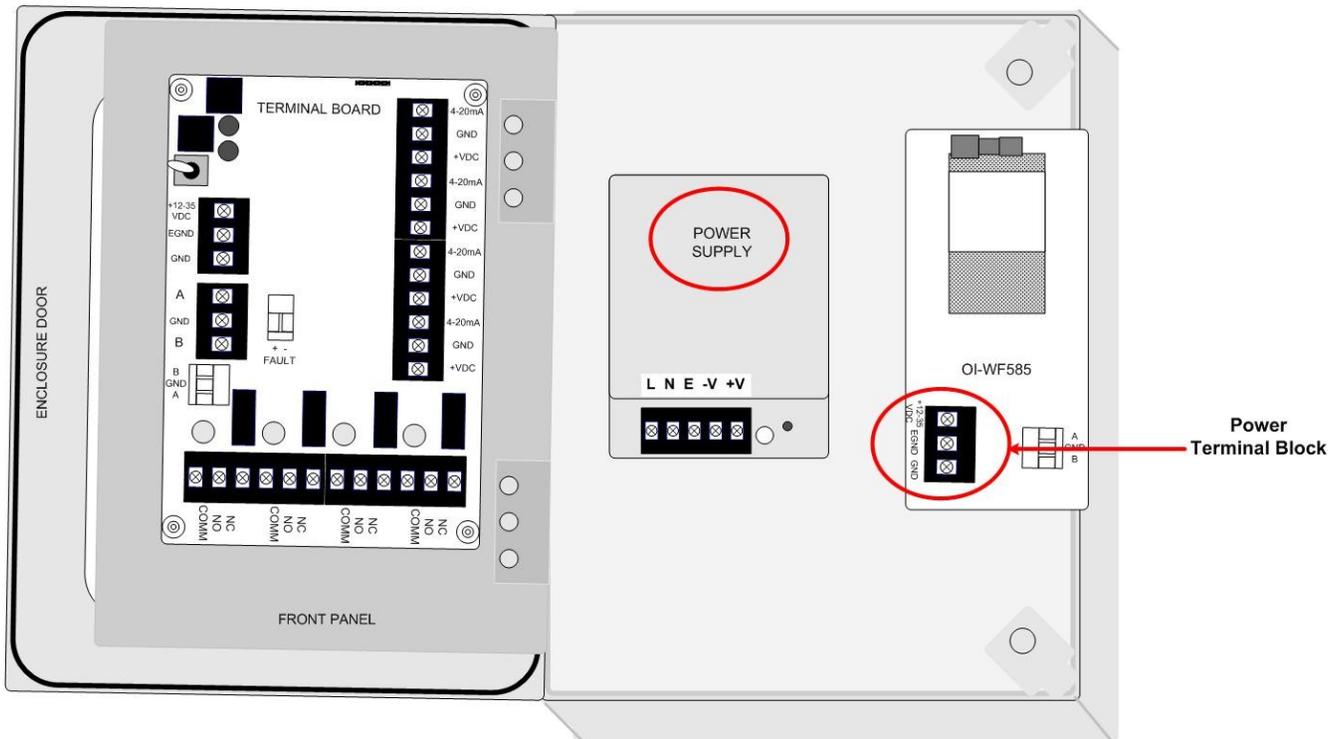


5. Connect the positive (red) wire from the OI-7440 Power Terminal Block to the terminal labeled “+V” on the Power Supply.
6. Connect a negative (black) wire from the OI-7440 Power Terminal Block to the terminal labeled “-V” on the Power Supply.



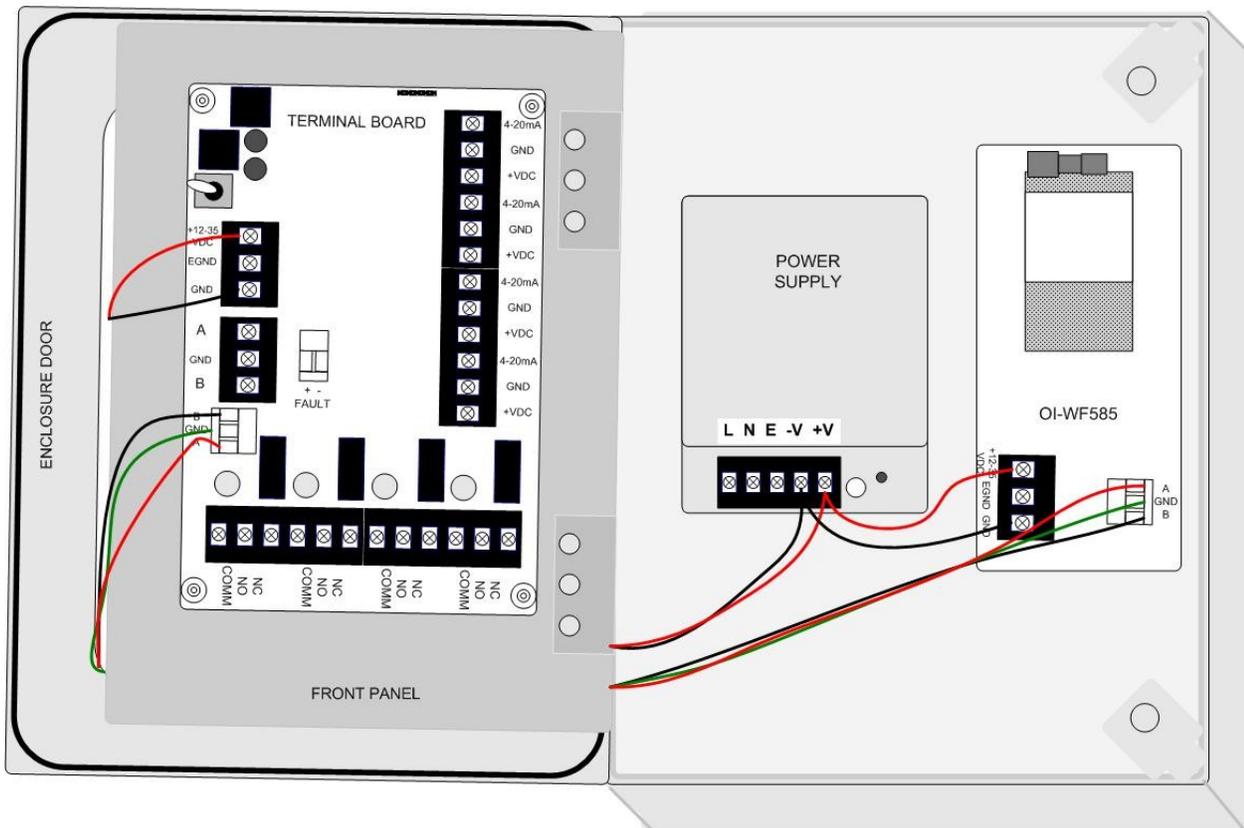
# Connecting DC Power to the OI-WF585

1. Locate the Power Supply.
2. Locate the Power Terminal Block on the OI-WF585.



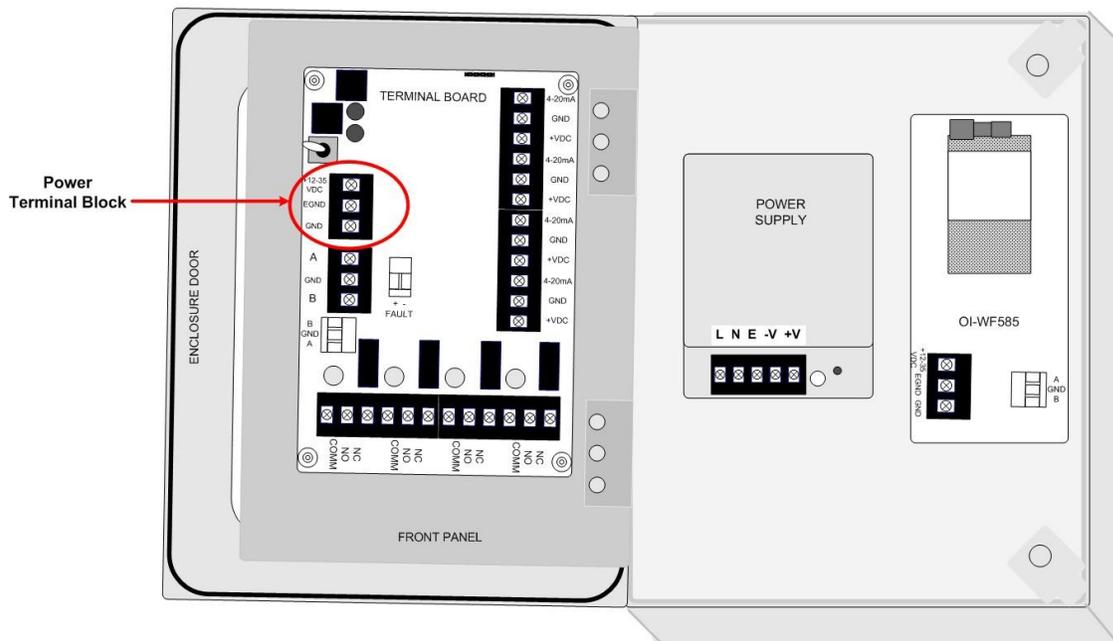
*Connecting DC Power to the OI-WF585 cont...*

3. Connect a positive (red) wire to the terminal labeled “+V” on the Power Supply.
4. Connect a negative (black) wire to the terminal labeled “-V” on the Power Supply.
5. Connect the positive (red) wire from the Power Supply “+V” terminal to the terminal labeled “+12-35VDC” on the OI-WF585 Power Terminal Block.
6. Connect the negative (black) wire from the Power Supply “-V” terminal to the terminal labeled “GND” on the OI-WF585 Power Terminal Block.

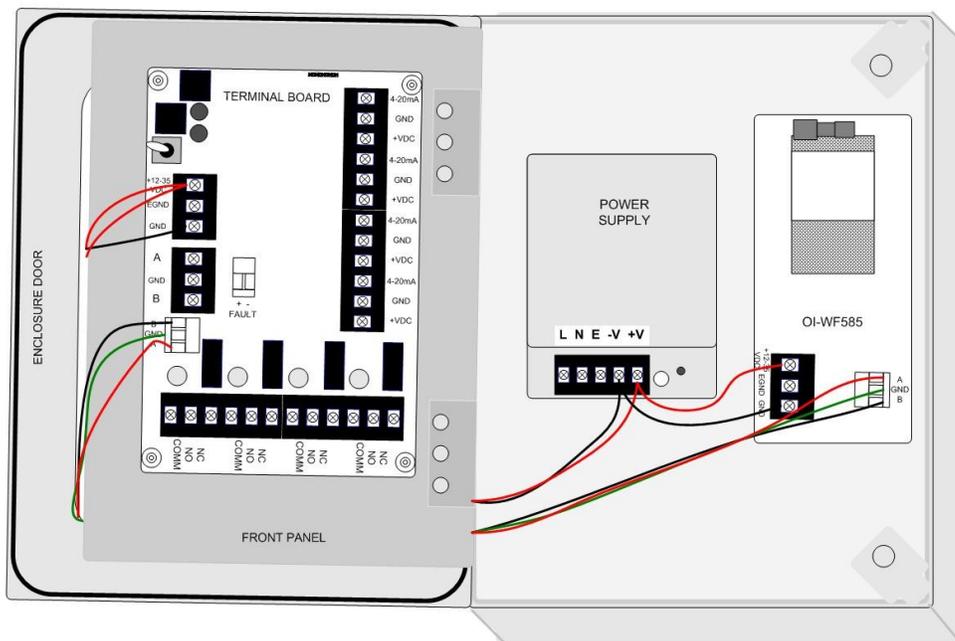


# Connecting DC Power to the OI-7440 Relays

1. Locate the Power Terminal Block on the OI-7440 Terminal Board.

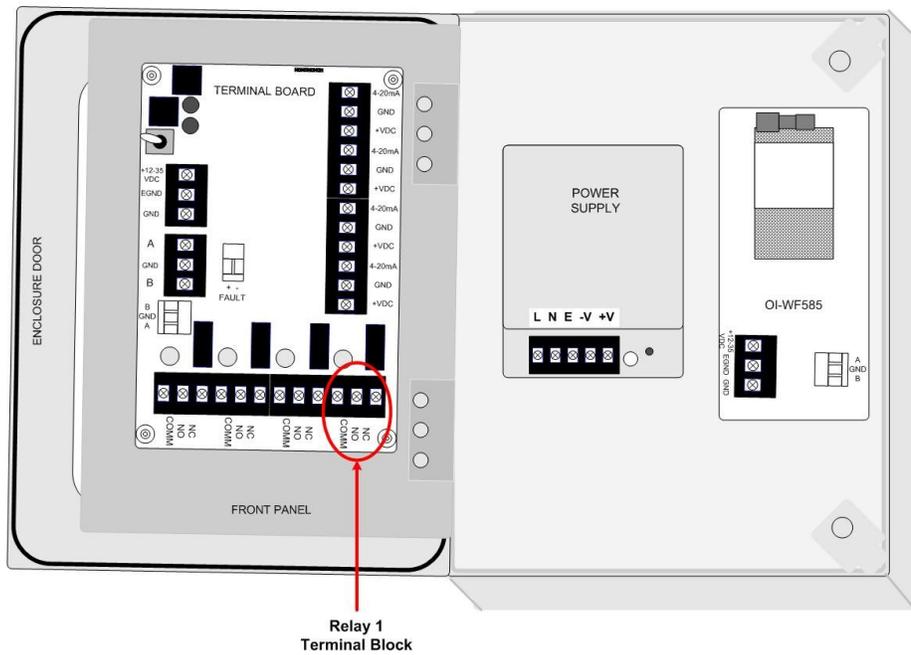


2. Connect a jumper (red) wire to the terminal labeled “+12-35VDC” on the OI-7440 Power Terminal Block.

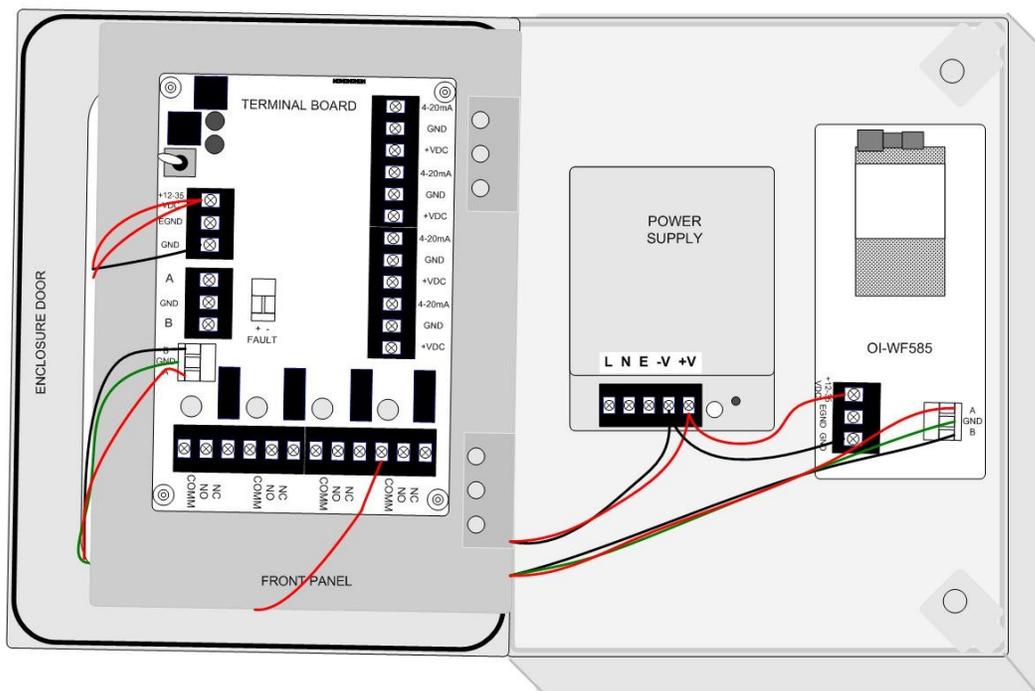


Connecting DC Power to the OI-7440 Relays cont...

3. Locate the Relay 1 Terminal Block on the OI-7440 Terminal Board.

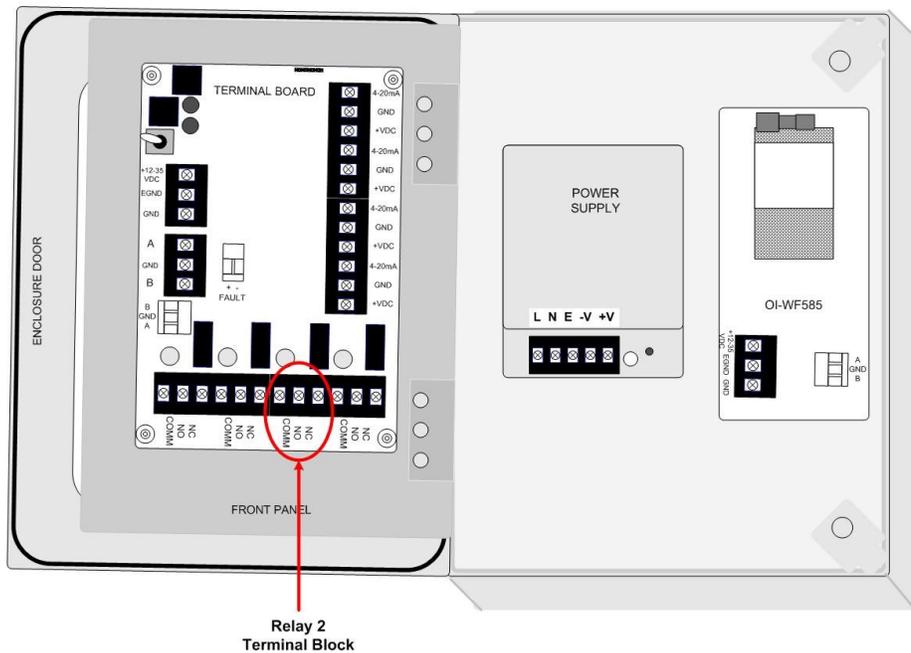


4. Connect the jumper (red) wire to the terminal labeled "COMM" on the Relay 1 Terminal Block.

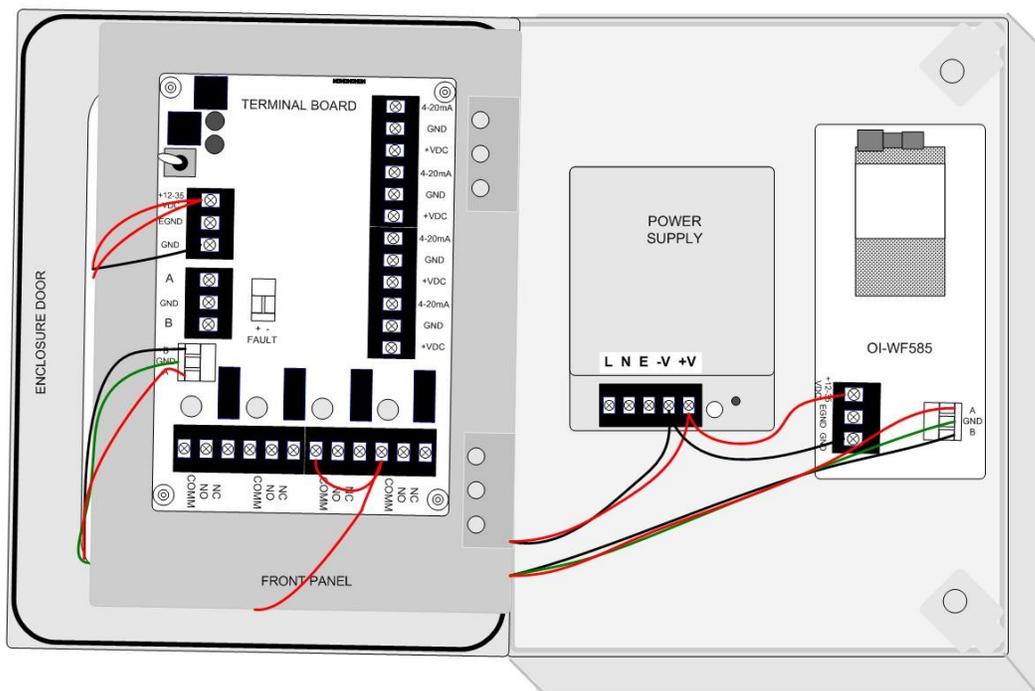


Connecting DC Power to the OI-7440 Relays cont...

5. Locate the Relay 2 Terminal Block on the OI-7440 Terminal Board.

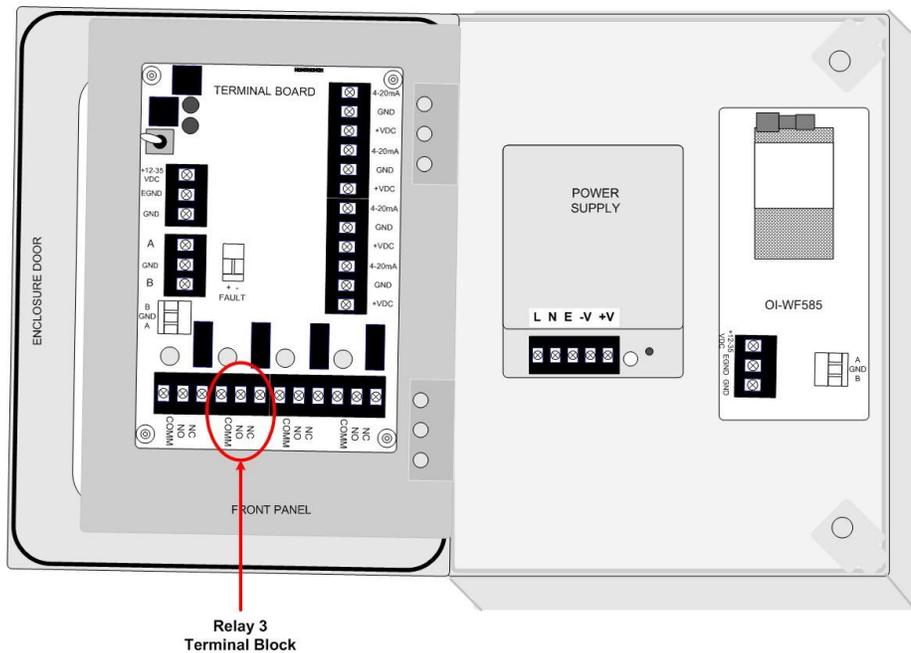


6. Connect a jumper (red) wire from the terminal labeled “COMM” on the Relay 1 terminal block to the terminal labeled “COMM” on the Relay 2 Terminal Block.

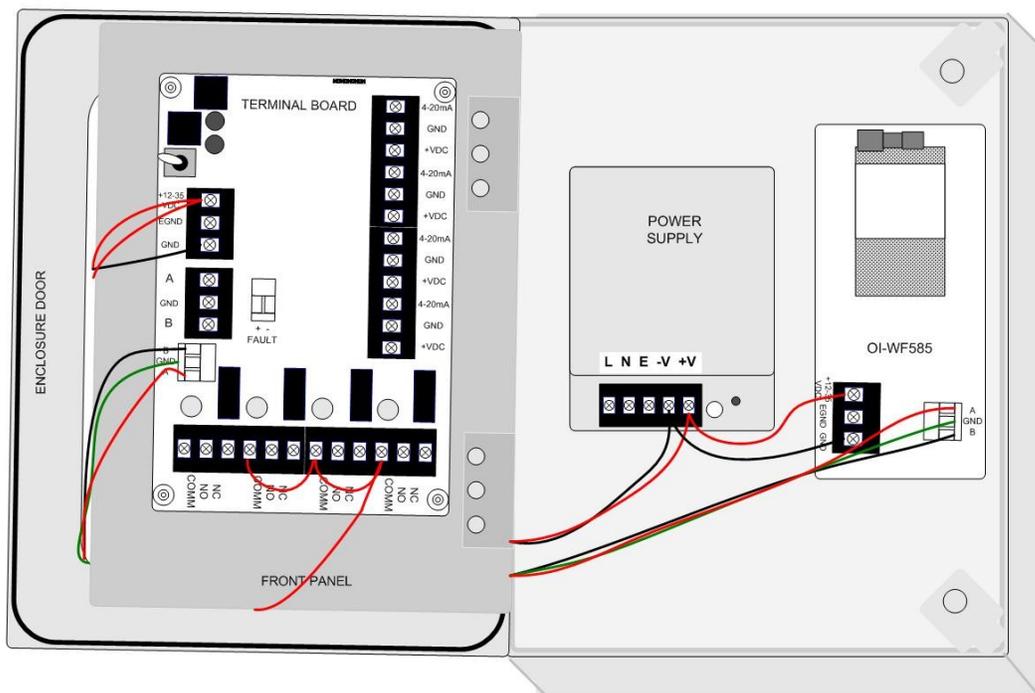


Connecting DC Power to the OI-7440 Relays cont...

7. Locate the Relay 3 Terminal Block on the OI-7440 Terminal Board.

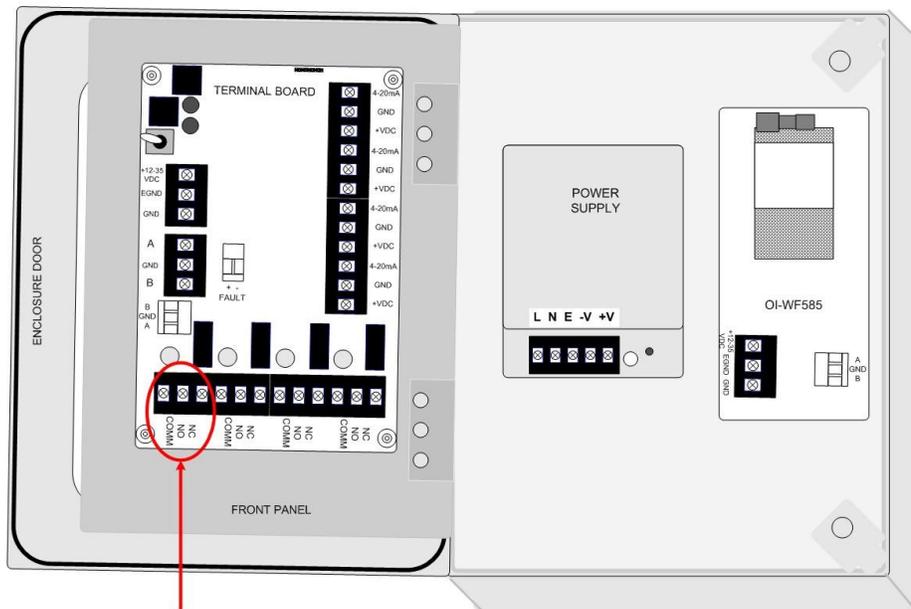


8. Connect a jumper (red) wire from the terminal labeled "COMM" on the Relay 2 terminal block to the terminal labeled "COMM" on the Relay 3 Terminal Block.



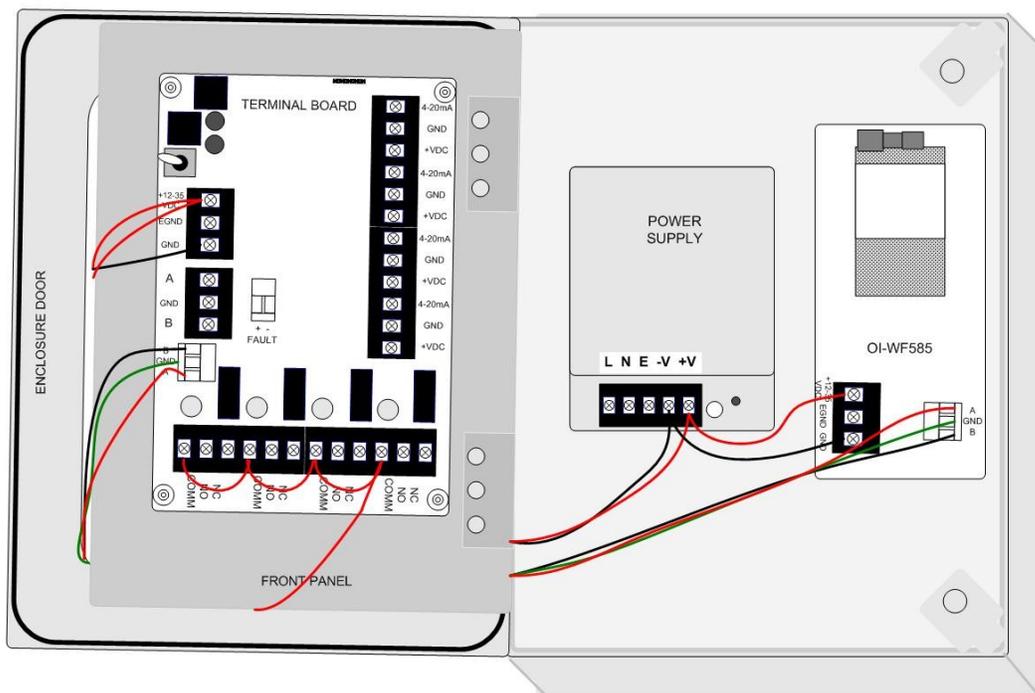
Connecting DC Power to the OI-7440 Relays cont...

9. Locate the Relay 4 Terminal Block on the OI-7440 Terminal Board.



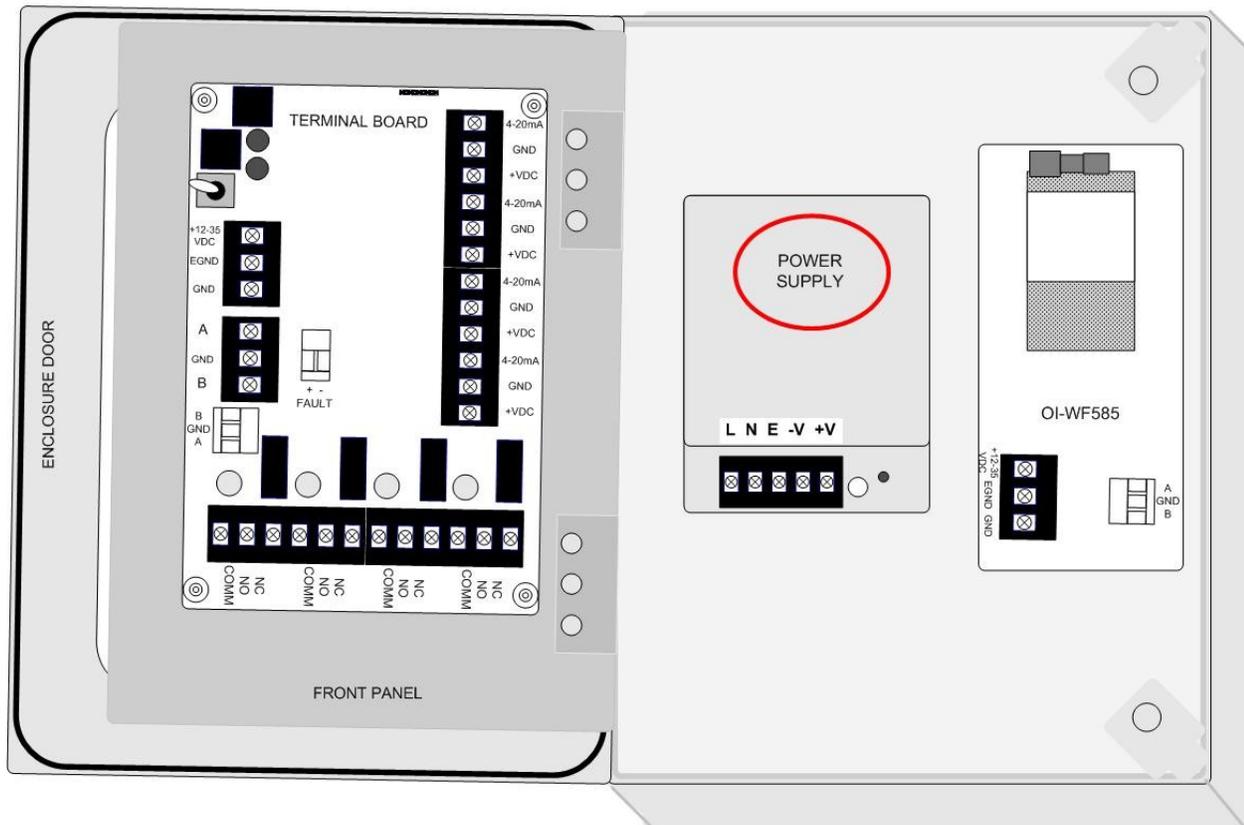
Relay 4 Terminal Block

10. Connect a jumper (red) wire from the terminal labeled "COMM" on the Relay 3 terminal block to the terminal labeled "COMM" on the Relay 4 Terminal Block.



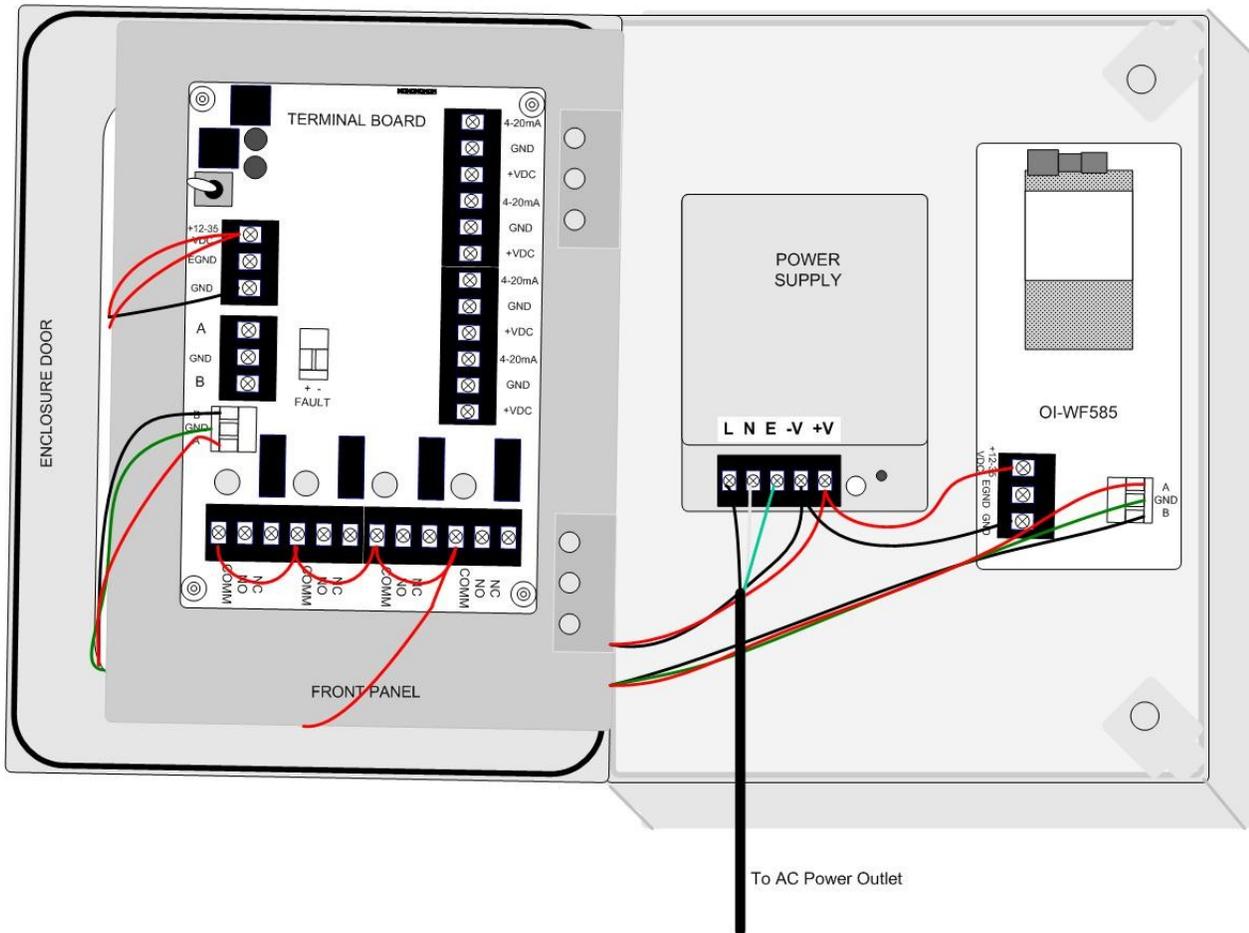
# Applying AC Power to the OI-7440-R

1. Locate the Power Supply.



*Applying AC Power to the OI-7440-R cont...*

2. There will be three wires (black, white and green) pre-wired from the Delta power supply terminals “L” (AC Load IN), “N” (AC Neutral IN), and “E” (Chassis GND or Earth GND). Using this set of wires, plug the OI-7440-R into an AC power outlet once ALL WIRING CONFIGURATIONS ARE COMPLETE.



# Complete Wiring Diagram: OI-7440-R

