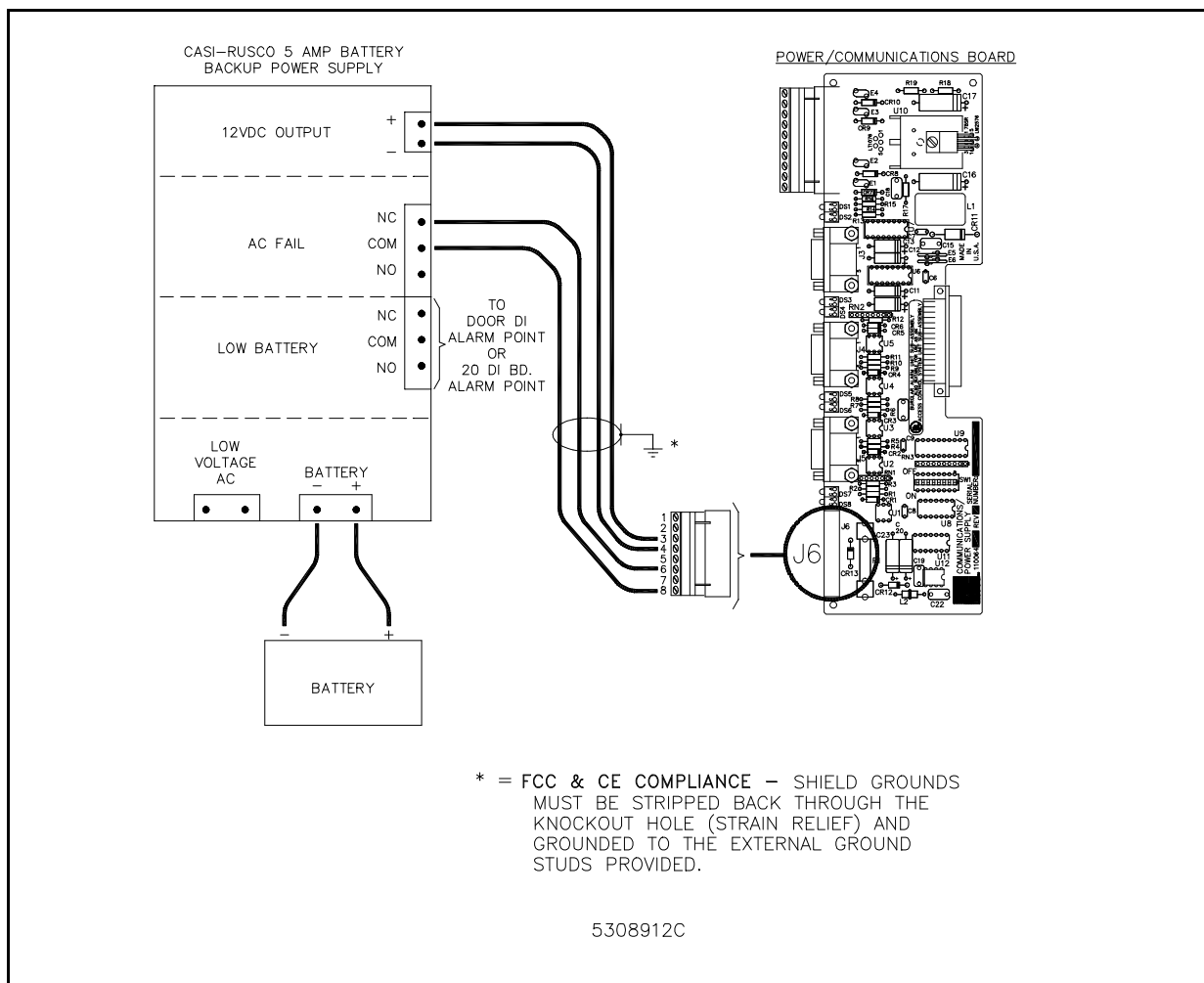




Installing the CASI-RUSCO 5 Amp Battery Backup Power Supply

The CASI-RUSCO 5 amp Battery Backup Power Supply provides an alternative source of power for the Micro/5 Microcontroller should the primary power source be lost. This backup unit guards against loss of information stored in the Micro/5. This insert provides the steps necessary to install the Battery Backup Power Supply with the Power/Communications board in the Micro/5.



**FIGURE 1: Wiring the Battery Backup Power Supply
(P/N 520582110 or 520582220)**

To wire the CASI-RUSCO 5 amp Battery Backup Power Supply:

1. Wire the 12VDC output + (DC +) screw terminal to the Power Input Port J6 pin 3.
2. Wire the 12VDC Output – (DC –) screw terminal to connector J6 pin 4.
3. Wire the AC Fail Normally Closed (NC) screw terminal to connector J6 pin 6.
4. Wire the AC Fail Common (COM) screw terminal to connector J6 pin 8.
5. Connect the color-coded cables to the 12V battery (red is + and black is –).
6. Wire the Low Battery output relay to the door DI alarm point or to the 20 DI board alarm point with end-of-line resistors.
7. Remove the connector from the Power/Communications board.
8. Wire the transformer (black and white wires) to a 110VAC 60Hz source if using P/N 520582110 or to a 220VAC 60Hz source if using P/N 520582220. Wire the Ground (green wire) to earth ground.
9. Apply the appropriate primary AC voltage and verify that the DC output is $+13.7\text{VDC} \pm 0.10\text{V}$. If not, verify that SW1 is closed and SW2 is open, then adjust the potentiometer VR1 to obtain $13.6\text{V} \pm 0.10\text{V}$.
10. Connect the connector to the Power/Communications board and measure the DC output again to verify that it is within tolerance.