

The **DVS+150** utilizes an external power source.

This external source is a DVA-AL1024ULX (Altronix AL-1024ULX) connected to DVS+ power input.

The Plus + power line from the Power Supplies is connected to the + input of the DVS+.

The Negative- is connected to the negative- input.

The Battery and AC supervision lines are connected to the DVS+ from the +12V output of the DVS+CM1 module to the commons of the power supply's fault relays. Then the AC and Batt contacts are connected through the NC contacts, back to the DVS+Fault inputs. This way, either an AC or Batt failure, on the power supply will be reported back to the DVS+.

The Power supply faults will then be reported back to the monitoring FACP via the NAC (J9).

Battery Failure is reported immediately, but the AC failure has an approximately 6 hour delay. The DVS+ will show an AC Fail but will not open the NAC circuit until the end of the time delay.

Connections:

Non-Power-Limited

PS+ to DVS+/PS+

PS- to DVS+/PS-

AC connections to main

Power-Limited

PS/AC-C to DVS+/CM1-J14-8

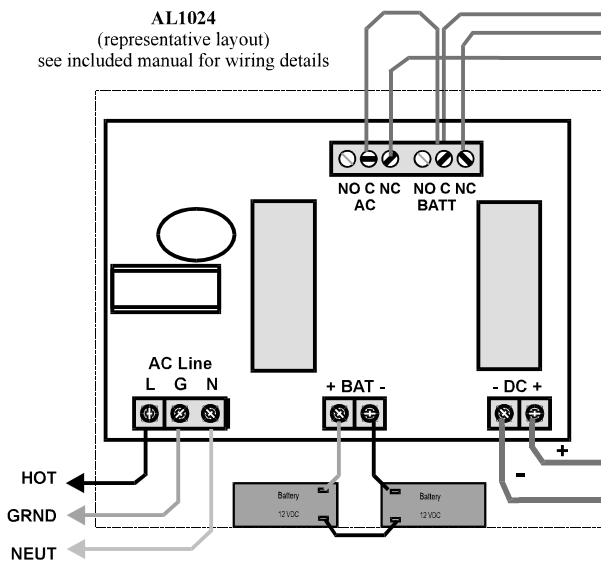
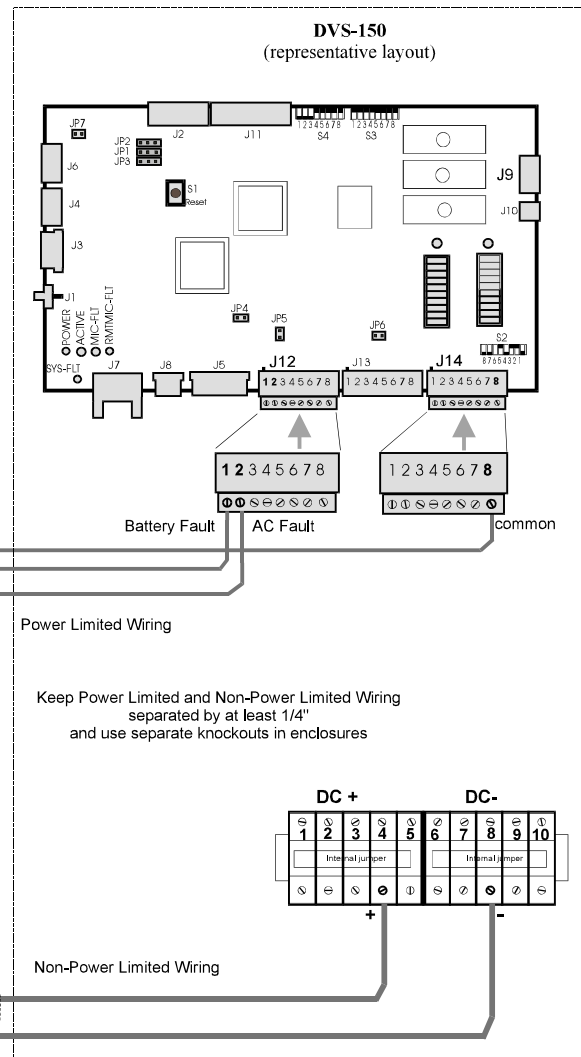
PS/AC-C to PS/Batt-C

PS/AC-NC to DVS+/CM1-J12-2

PS/Batt-NC to DVS+/CM1-J12-1

notes:

Keep the Non-Power-Limited wiring separated from, and use a separate knockout for, the Power-Limited Fault wiring



Power Limited Wiring

Keep Power Limited and Non-Power Limited Wiring separated by at least 1/4" and use separate knockouts in enclosures

Non-Power Limited Wiring

