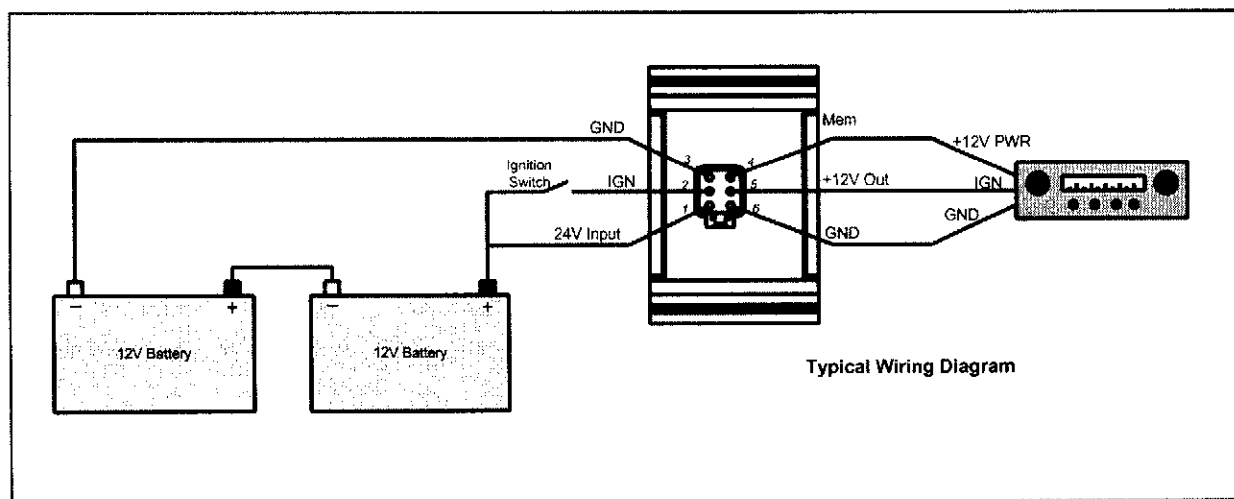


52101/52142 INSTALLATION INSTRUCTIONS

1. It is recommended that the batteries be disconnected prior to installation. Reconnect the batteries after the installation is complete.
2. Mount converter in a convenient, well ventilated area. Use 14AWG wire for all connections.
3. Terminal #3 and #6 ("GND"): Make ground connections first. Connect to chassis battery. One of the Converter's "GND" terminals can be connected to the entertainment system "GND" and the other connected to battery "GND" as shown in the diagram.
4. Terminal #1 ("24V IN"): Connect to unswitched 24V battery power source.
5. Terminal #2 ("IGN"): Connect to a 24V ignition switched source in the vehicle.
6. Terminal #4 ("Mem"): Connect to "Memory" terminal of the entertainment system. This connection supplies the radio with an uninterrupted voltage supply to support the programmable memory circuit. On most radios this is labeled the "12V (+)" or "Batt" connection.
7. Terminal #5 ("12V Out"): Connect to the switched "12V" (power) connection on the entertainment system. On most radios this is labeled as the "IGN" connection.

NOTE: Some radios, such as Blaupunkt and some Sony models, are powered internally by the "12V" connection rather than the "IGN" connection. On these specific models the 52101 will provide up to 5 amps (average) of current with the voltage range 12.6V to 13.2V. While the 52142 will provide 6 amps (average) through the unswitched connection.



SP SURE POWER INDUSTRIES, INC.