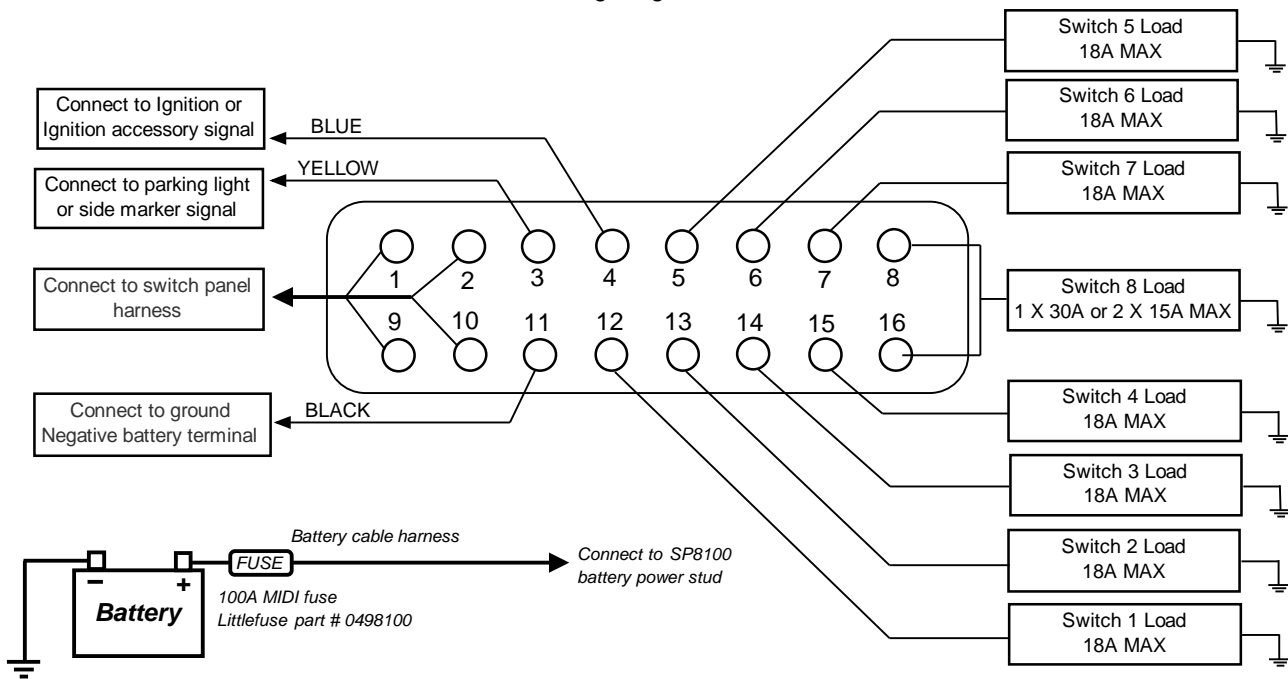


Switch-Pro SP8100
100A Power Module
Wiring Diagram



Important Installation Information:

1. Connect the BLACK ground wire to a good vehicle ground, negative battery terminal recommended.
It is important to connect the ground wire before plugging in the 16-pin connector and connecting the battery cable!
 1. Connect the black ground wire.
 2. Connect the 16-pin power module connector, a click should be heard once the connector is seated.
 3. Connect the switch panel harness, 4-pin connector.
 4. Connect the battery cable, long end, to the power module.
 5. Connect the battery cable, fuse end, to the battery positive terminal.
2. Do not power or control your winch with the SP8100 switch panel power system. Use the winch manufacturers control switch.
3. Do not exceed the switch output current limits.
Make sure that the total current draw of the combined 8 switch loads does not exceed 100A.
4. When powering high current devices like compressors, motors or high current fuel pumps, switch the control relay that comes with the accessory. High current inductive loads have high inrush currents that might trip the overcurrent protection.
5. If low current inductive loads are switched, it is important that the device contains a diode suppressor to reduce back emf. (negative voltage spike created when an inductive load turns off). The power module contains dual protection against back emf, but the additional protection is still recommended.
6. The power module is designed to switch a 12V load. Connect the switch output to the positive terminal of your accessory. Connect the negative lead of the accessory to any ground stud on the vehicle, or the negative terminal of the battery.
7. When switching loads above 65A total, we recommend using the supplied mounting plate as a heat sink. The module can also be mounted to any metal surface, like the frame of the vehicle.
8. The BLUE ignition signal wire should be connected to an ignition or ignition switched accessory outlet source. This signal is used to control Ignition programmed switches. The power module must see 12V on the blue wire to allow a switch, that was programmed to ignition control, to turn on. This signal is also used to turn on the switch panels daytime backlighting.
9. The YELLOW light input wire should be connected to a parking light source. When 12V is sensed on the yellow wire, the backlighting and switch indicator led's on the switch panel will dim to a adjustable preset level.
Without 12V on the yellow wire, the switch panel lighting intensity is 70% and can't be adjusted. When 12V is sensed on the yellow wire, the backlighting is adjustable, 10% to 90% intensity. Backlighting is adjusted by pressing the program switch, located at the SWITCH-PRO logo, 3 times. See programming card.