

Output Box to Gun/Solenoid Wiring Guidelines

Output Box to Gun - for electric guns
Output Box to Solenoid - for air operated guns

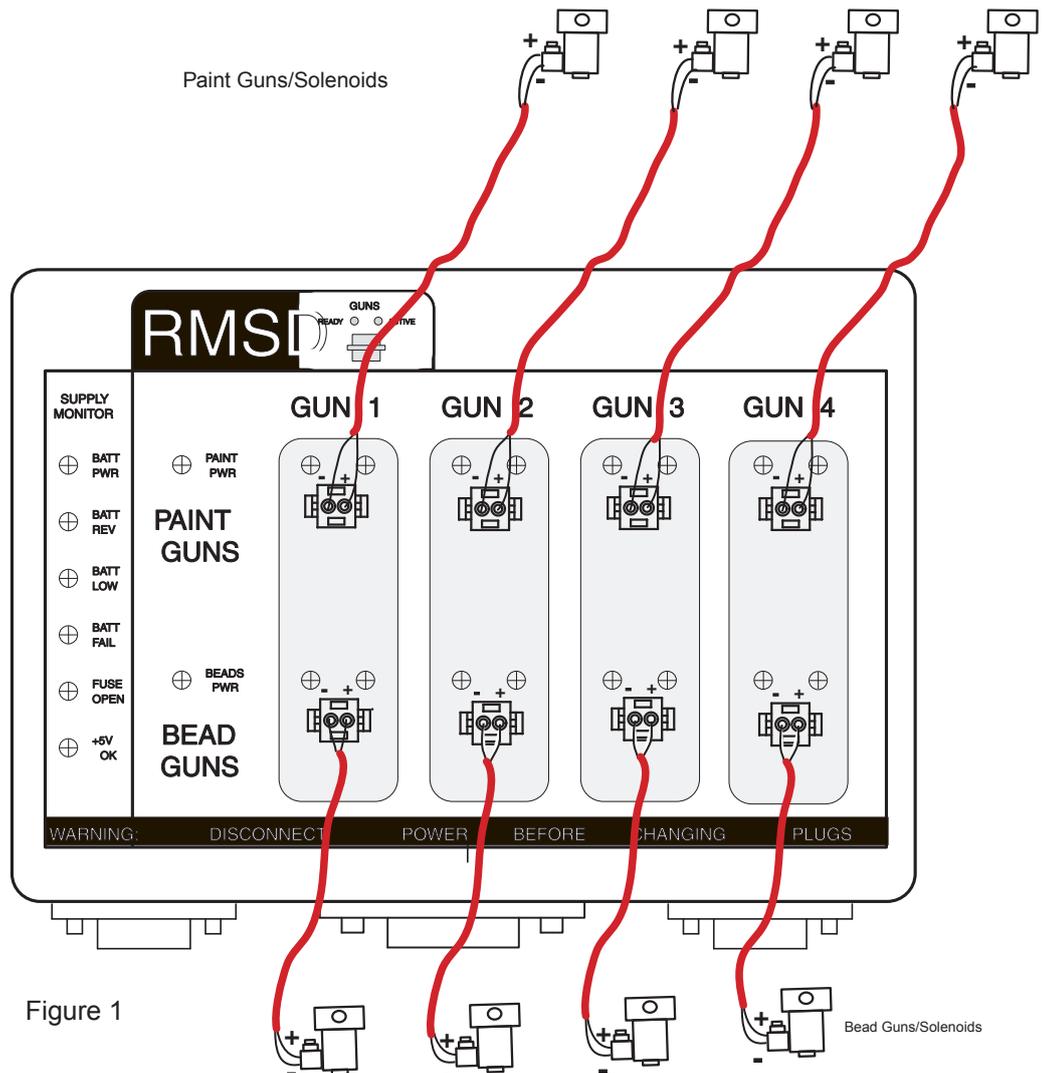


Figure 1

Instructions

- 1 Each gun circuit must be wired separately to the Output Box, as shown on Figure 1. Do not wire paint and bead gun circuits in parallel.
- 2 For ease of operator diagnostics a single 2 core wire should be used between the Output Box and a gun circuit connection. Wire should be copper core, suitable for 5 amp current. We recommend standard 3 mm automotive wire (11/0.32mm) or similar. Wires grouped inside a sheath will be easier to run and better protected against damage.
- 3 Where solenoid valves are used, they should be rated for continuous duty. **Solenoids with coils rated for intermittent duty will burn out.**
- 4 Check the data sheet on your solenoids to see if the coils are polarised. If the coils have marked positive and negative terminals, wire the positive terminal to the right hand pin on the Output Box connector. See Figure 2.
- 5 If you have any queries please contact RMSD Limited

Testing

Before applying power, test all the gun wiring for:

- a) Continuity
- b) Short circuits between wires
- c) Short circuits to the vehicle chassis

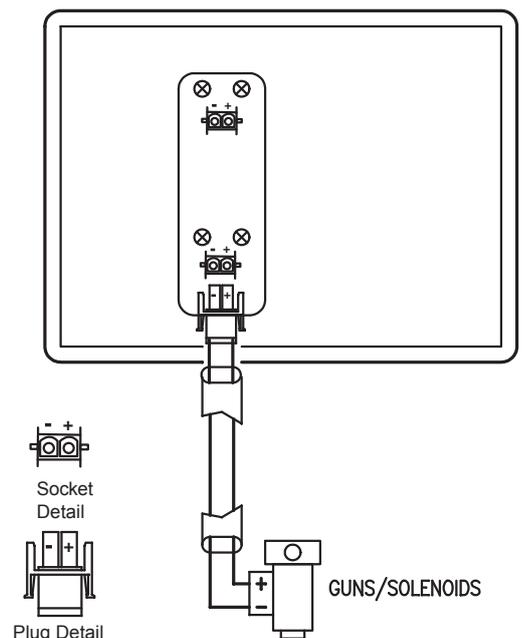


Figure 2
Detail Output Box/Solenoid Wiring