

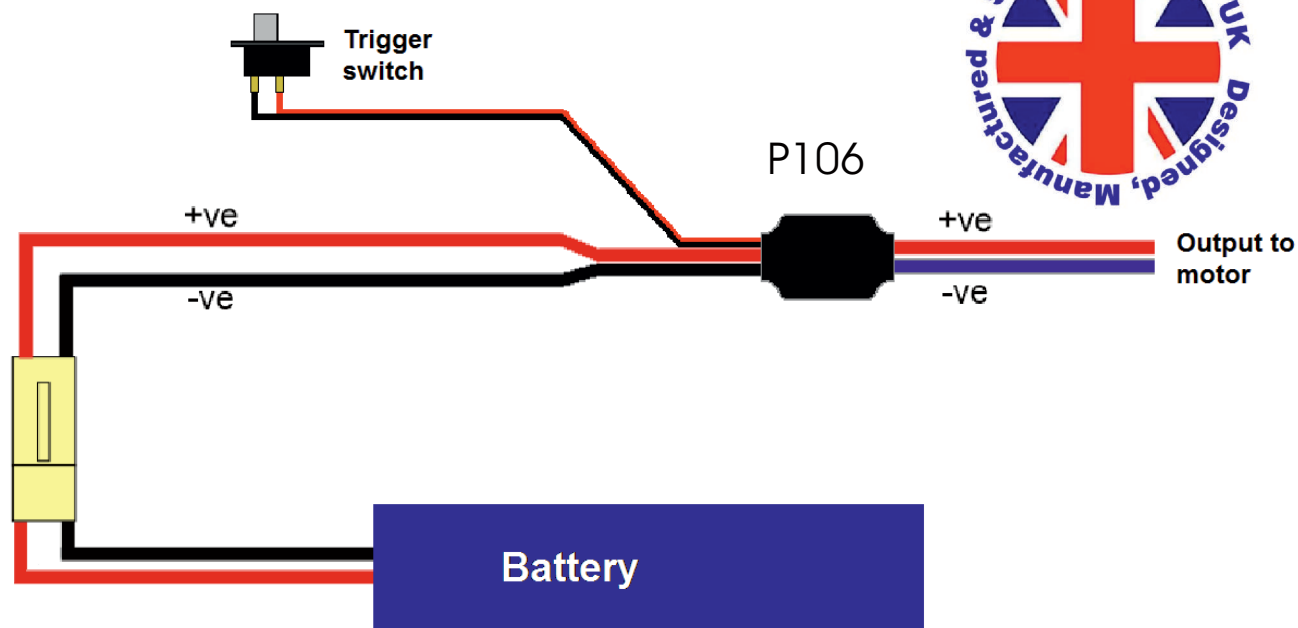
P106a

MOSFET Power Switch kit



The P106a has been developed to solve the problem of high currents burning out the trigger switch contacts. All the power is switched by a tiny, high power MOSFET device, with only a few mA going through the switch itself. This gives not only longer life to the trigger switch, but can also improve the rate of fire as the resistance that the MOSFET puts into the circuit is in many cases much less than that of the original switch.

Compatible with NiMH, Lipo & LiFe batteries



Connection Instructions

Connecting the P106 is extremely simple, however the following rules **MUST** be obeyed or you are likely to destroy the unit, as well as the battery.

- 1) The thick red & black wires are to be connected to the battery. The wires can be trimmed to whatever length is required & a suitable connector fitted to connect with the battery.
 - 2) The thick red & blue wires are the output from the P106 to the motor (the blue wire is the negative)
 - 3) The thin red & black wires are for connection to the switch.
- Do not connect the wires any other way than described above, to do so can destroy the P106

Although we can repair most Action Electronics units, the sealed nature of this module means that it cannot be repaired.

Specifications

Continuous current handling	20 Amps
Short term burst handling	100 Amps
Minimum battery voltage	3.0V
Maximum battery voltage	20.0V
Minimum switch rating	4mA
(Actual current through switch when using 12V battery = 2.4mA i.e. 0.0024 Amps)	
Maximum voltage drop	<20mV (0.02V)