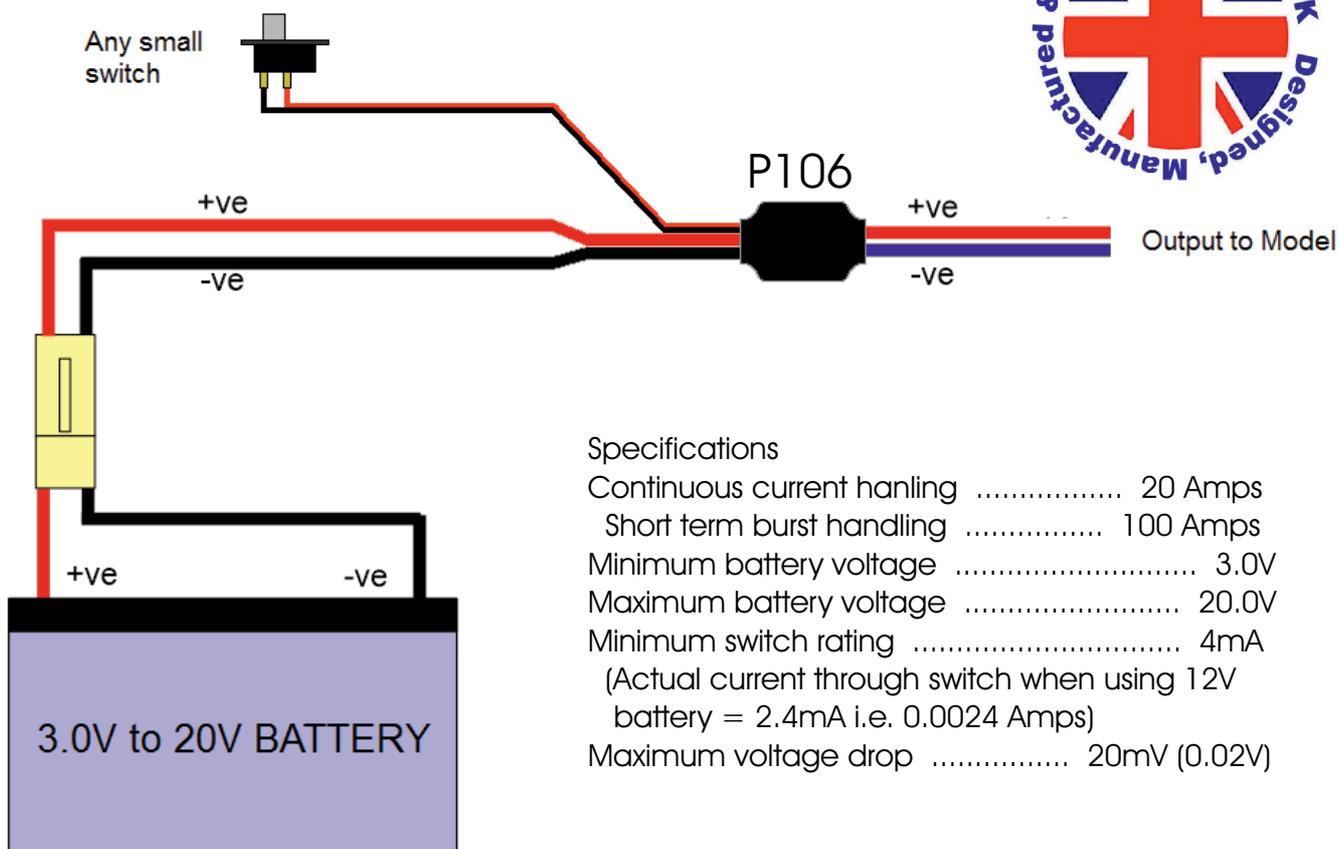


**P106**

## 20A In-Line Power Switch



The P106 in-line Power Switch has been developed to provide a neat solution to the problem of switching high power loads on & off (eg the main power from the battery to the model) The usual way that this would be done is to use a high power mechanical switch, such as a toggle switch, but these are big & bulky so can be difficult to fit in. The P106 uses an advanced MOSFET transistor for the switching operation, with only a tiny amount of power going through the switch itself, meaning that just about any switch can be used to control it. You can therefore use the tiniest of switches to switch a load of 20 Amps on or off. Below is the typical way that the P106 is installed.



### 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)

### Connection Instructions

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

- 1) The thick red & black wires are to be connected to the battery. It is recommended that a suitable connection be used between the battery & the P106 so that the battery can be removed when not in use, or for charging.
- 2) The thick red & blue wires are the output from the P106 to the model (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.*