

RC Solid State Winch/Bow Thruster/Brushed Motor ESC Module 2A/8A Variants

Thank you for purchasing one of our RC Modules. We hope it will give you many years of trouble free service. If you have any problems with your module, please either email or contact our technical support helpline first on the number provided on the last page. We are sorry that it is a mobile number, but we work between three sites and find that our mobiles are far more versatile for our non –electronic communication needs.

Before pressing your switching module into service, please carefully read through the installation drawings, notes and information below.

It may well be we are 'trying to tell Grandma How To Suck Eggs' but just sometimes as we find, information is priceless knowledge, and in our case, a knowledge which we have gained over 40 years of Avionic Electronic Engineering Design and Construction experience.

Please follow the wiring protocol as in the drawing. The Conductors/Ports are clearly marked 'Load' and 'Batts' Do not connect them to anything other than what is described . 'Load' is your Winch/Bow Thruster Motor. 'Batts' is your Battery pack or Power Source.

Irreparable damage will occur to the internal components of the module if you:

Short Circuit The 'Load' Connections.

Cross Polarise The Supply (Batts) Connections (Positive on Negative, Negative on Positive)

Exceed the Maximum 2A/8A Load

Allow water or fluid to enter the module.

Always use a Fuse in the 'Batt' (Supply) Line. This will help protect the Module from a possible Short Circuit or overload. It will also prevent your precious model/project from going up in smoke (Glass Fibre and ABS Burns Also!) if there is such an event.

A major factor in the design and application was to simplify the connectivity between receiver and output connections. In doing so has meant that the module will not lend itself to be driven from anything other than a standard three wire servo protocol connection arrangement. Simplified, irreparable damage will occur to the module if you attempt to drive it from anything than your receiver.

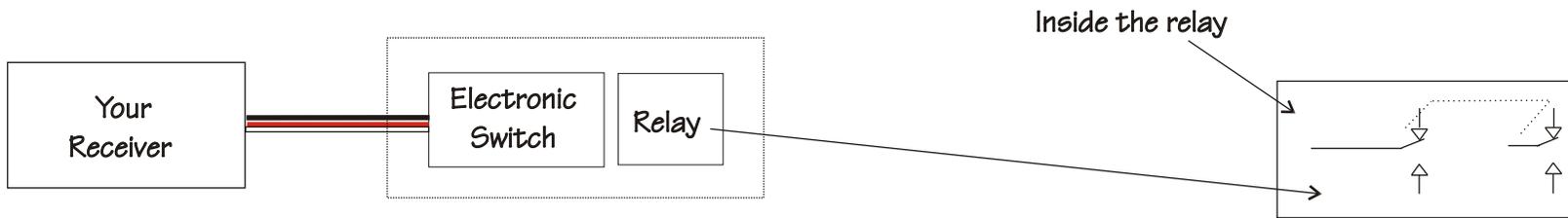
*** IMPORTANT***

Before Powering the Receiver, a best practice is to switch on the Transmitter with all Sticks/Rotary Knobs in Centre/Neutral Position **FIRST**. If by chance you power the receiver first with the Stick/Rotary Knob on your Control Channel in any position than off, the Decoder will invalidate the signal for 50 seconds it will then need a Reverse Stick/Rotary Knob signal (Green On-Board LED glows once) before it will turn the Motor on. You should then be able to control the speed and direction of your Motor by throwing the Stick/Rotary Knob slowly from Centre/Neutral Position to fully Forward or Reverse.

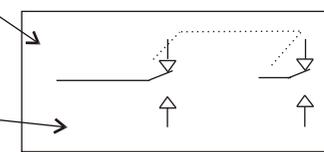
Email: support@mr-rcworld.co.uk

Best Wishes

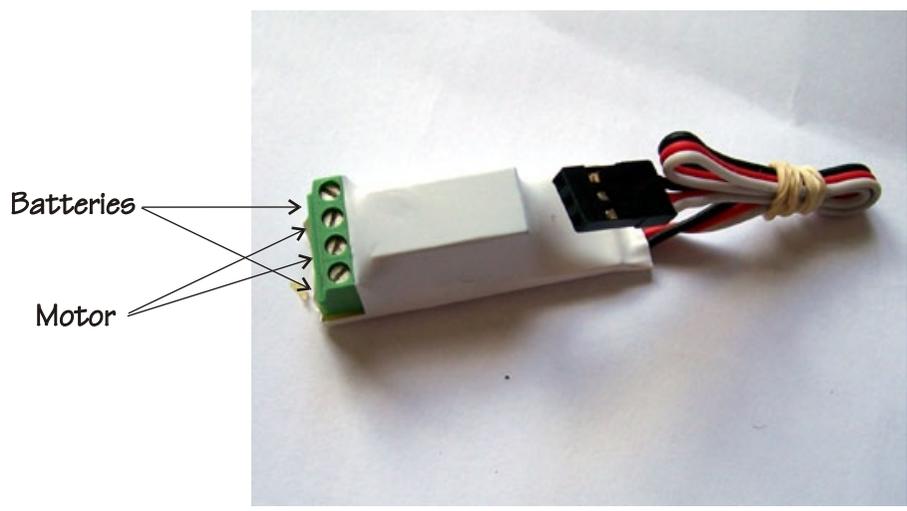
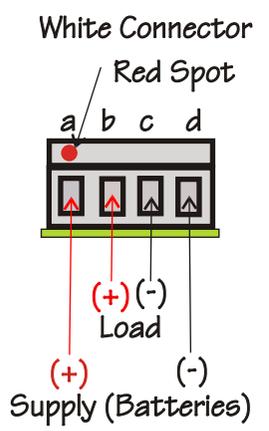
The Staff at Mr RC World



Inside the relay

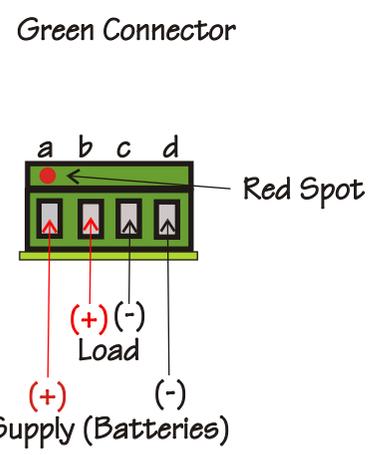
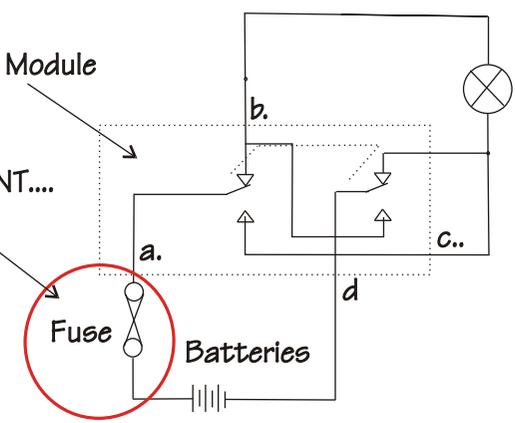


D.P.C.O.
(Double Pole Change Over)



Inside the Module

IMPORTANT....

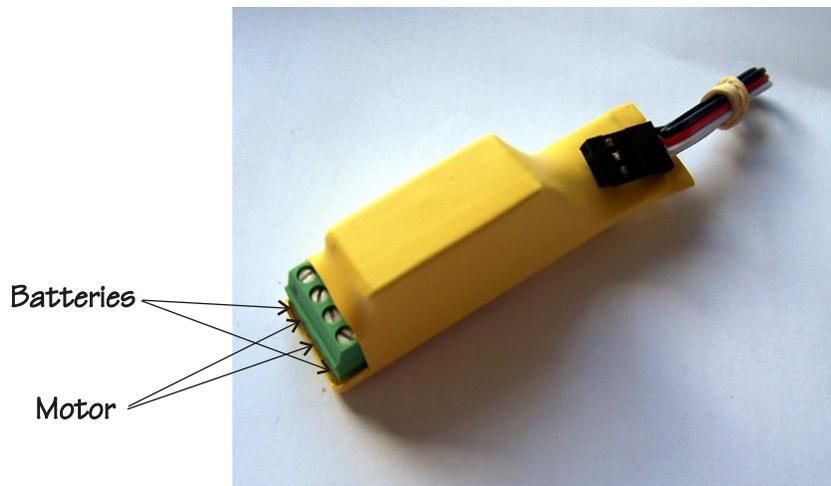
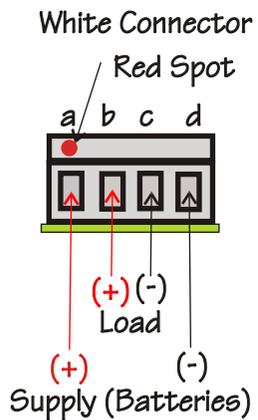
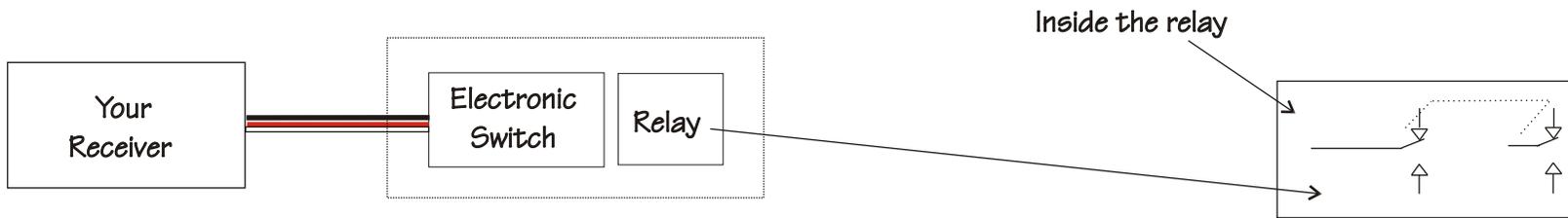


IMPORTANT....
Ensure you have the terminals secured to correct polarity (Positive - Positive etc.) BEFORE connecting the Batteries.

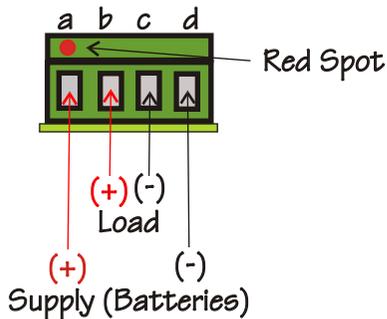
If you Mis-Connect the Module Irreparable Damage will occur.

Resistors, Diodes, Suppression Capacitors and Fuses can be purchased from our On-Line Store at www.mr-rcworld.co.uk

Rev No		MR RC WORLD
May 2009		
RC Electronic Switch		
2A and 8A variants		
For Tug Motors/Winches & Bow Thrusters		
Eng.		
Scale 1:1	Drawing No 1 of 2	



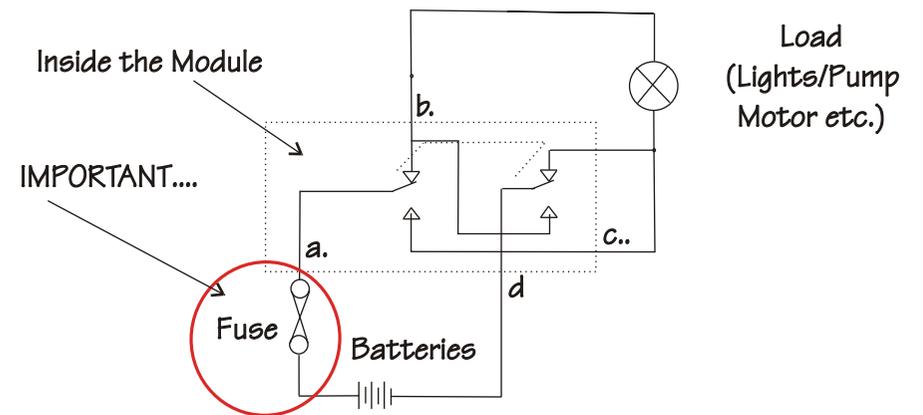
Green Connector



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