## RC RELAY 'Nano' Switch

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.

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

Exceed the Maximum 2A 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 from going up in smoke if there is such an event. Suitable Fuses and Fuse Carriers etc. are available on our Website at www.mr-rcworld.co.uk.

Don't use the old 1¼" Glass Type Fuses and Carriers. They MELT !

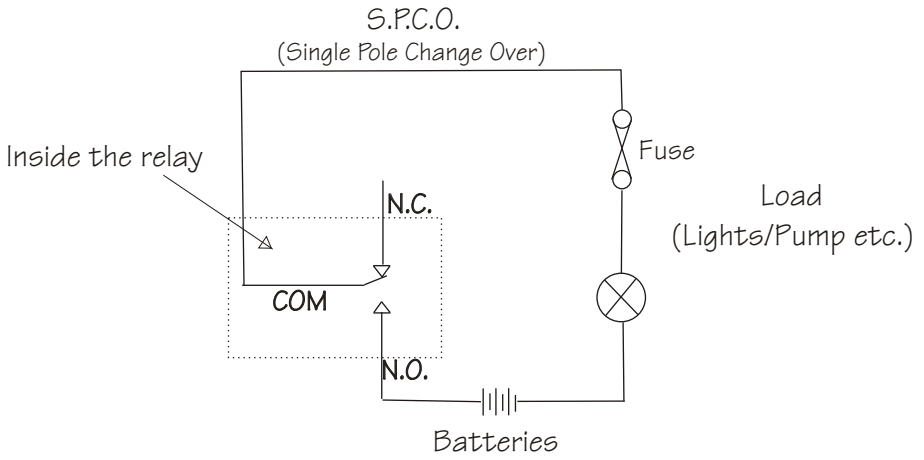
A major factor in the design and application was to simplify the connectivity between receiver and output connections. In doing so has meant that the module will not lend itself to be driven from anything other than a standard three wire '*Futaba*' Style servo protocol connection arrangement. Simplified,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

Should you need technical support for your purchase, please call +4475 between 9am and 5pm Monday to Friday.

Email: support@mr-rcworld.co.uk

Please Note…

To maintain our multiple order carriage discounts to you, if your order was for more than one module of the same kind, we will only have sent you one set of documentation. If you need more copies, please contact us to where we will send you printable .pdf's or you can download a copy from our website, www.mr-rcworld.co.uk.

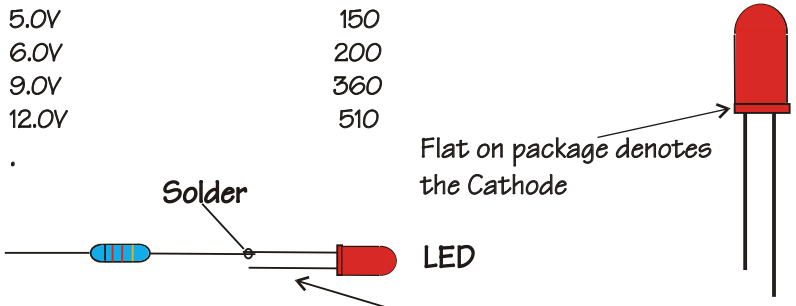




If you are using LED's you MUST fit resistors into the circuit

| Battery Voltage | Resistor (Ohms) |
|---|---|
| 5.0V | 150 |
| 6.0V | 200 |
| 9.0V | 360 |
| 12.0V | 510 |

.

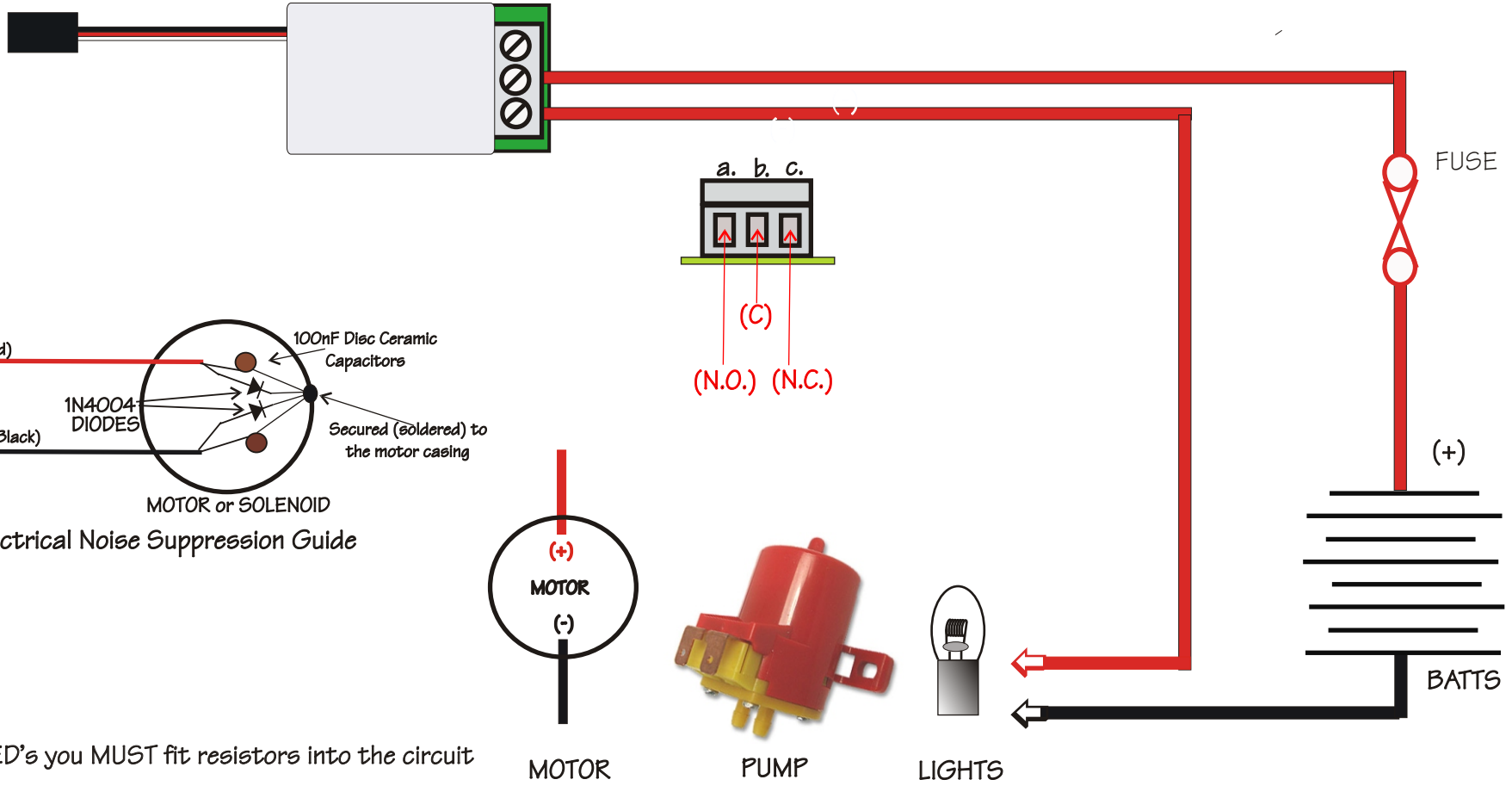



******IMPORTANT****

Always fit a Fuse between your batteries and the Load. If there is a wiring short circuit or a defect, there is normally enough current in your batteries to set fire to your precious Model.

Fuses, Diodes, Resistors and Suppression Kits are available on our website at www.mr-rcworld.co.uk

| | |
|---|---|
| Rev No | MR RC WORLD |
| Aug 2011 | |
| RC RELAY Switch | |
| Switch Connection Details | |
| Scale 1:1 | Drawing No 1 of 1 |

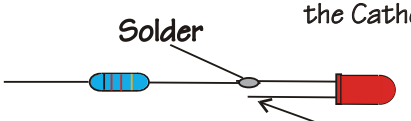


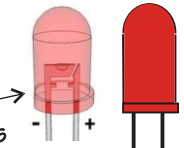

Motor Electrical Noise Suppression Guide

If you are using LED's you MUST fit resistors into the circuit

| Battery Voltage | Resistor (Ohms) |
|---|---|
| 5.0V | 150 |
| 6.0V | 200 |
| 9.0V | 360 |
| 12.0V | 510 |

.




Flat on package denotes the Cathode

Short Leg is the Cathode.
Cathode is connected to the
Negative (Black) side of the batteries

******IMPORTANT****

Always try to fit a Fuse between your batteries and the Load. If there is a wiring short circuit or a defect, there is normally enough current in your batteries to set fire to your precious Model.

Fuses, Fuseholders, Diodes, Resistors and Suppression Kits are available from our website at www.mr-rcworld.co.uk

| Rev No | MR RC WORLD |
|---|---|
| Oct 2011 | |
| MOTOR Wiring Addendum And Switch Connection Details | |
| Scale 1:1 | Drawing No 1 of 1 |