

MkIII 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.

Your MkIII RELAY 'Nano' Switch has just been made better with improved firmware and an onboard multi-function LED. This LED not only gives you an indication when the Switch is active and 'ON' or 'OFF' it detects and displays any signal errors you may have from your transmitter being switched off, signal error or if your RC Kit is incompatible with standard PWM/PPM protocols. It also gives you an assuring LED Flash 'Greeting' to let you know all is well and ready to do some serious work.

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, Service 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 Lights/Pumps/Motor. 'Batts' is your Battery pack or Power Source.

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

Exceed the Maximum 1A Load

Allow water or fluid to enter the module.

Always try to 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.

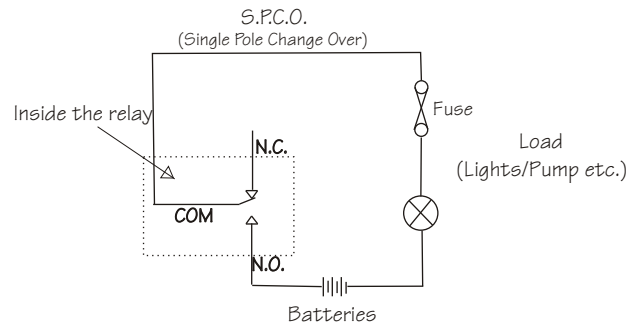
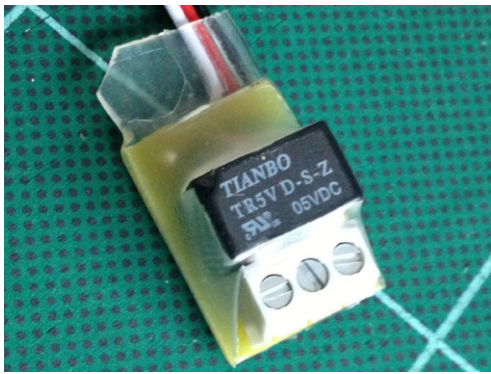
Don't use the old 1¼" Glass Type Fuses and Carriers. They MELT !

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 a PWM Receiver circuit which has an ancillary voltage in excess of 11.2v.

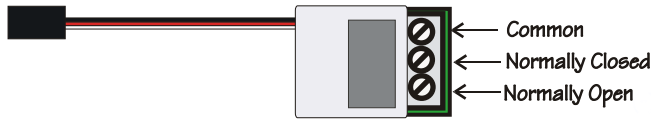
Should you need technical support for your purchase, please call +44(0)7462655578) 07462655578 between 9:30am and 5pm Monday to Friday. Email: support@mr-rcworld.co.uk

Please Kindly 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.



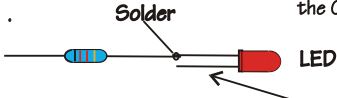
**MKII ONBOARD SIGNALLING
LEGEND**



POWER UP INITIALISE - 3 RAPID
FLASHES
VALID ON SIGNAL - LED ON
(LIT)
NO SIGNAL - LED OFF

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



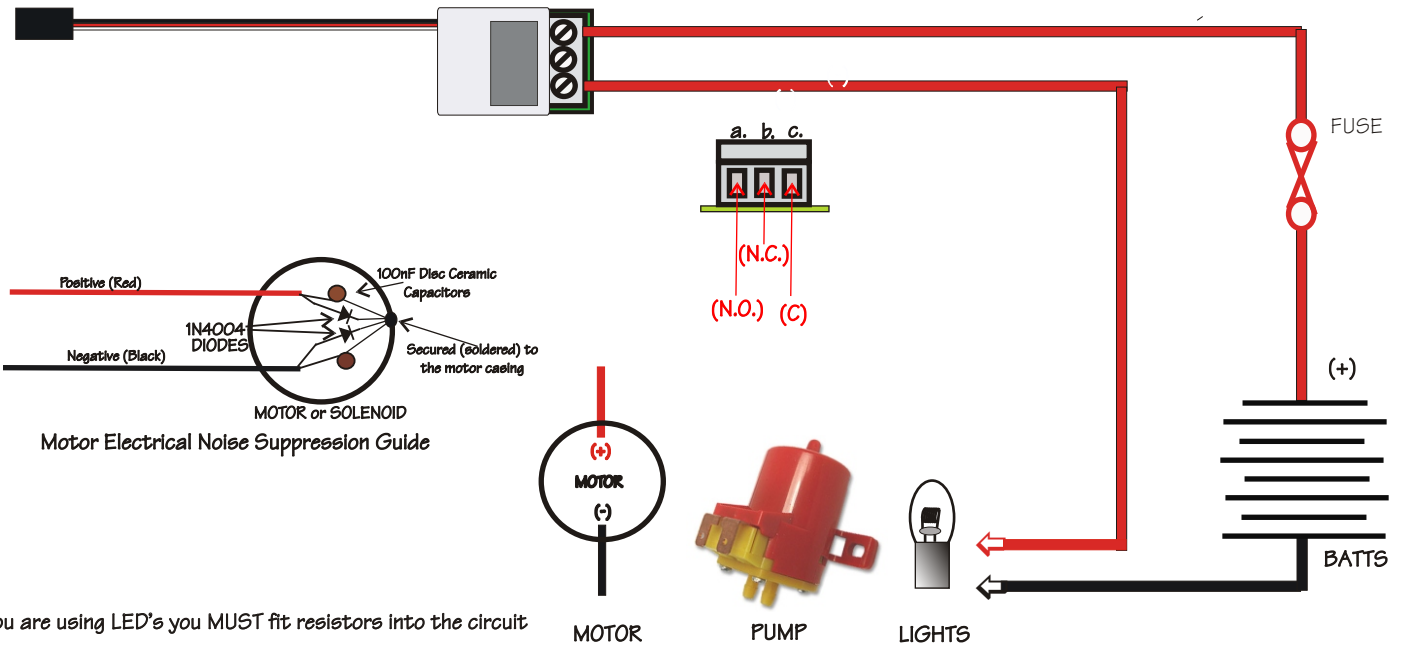
Short Leg is the Cathode.
Cathode is connected to the Negative
side of the batteries

*******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.

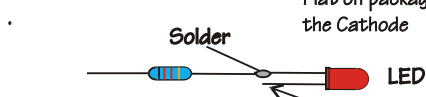
Fuses, Diodes, Resistors and Suppression Kits are available on our website at www.mr-rcworld.co.uk

Rev No	3	MR RC WORLD
Aug 2011		
RC 2A RELAY Switch		
Switch Connection Details		
Latching and Non Latching Versions		
Eng.		
Scale 1:1	Drawing No 1 of 2	



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



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		
Latching and Non Latching Versions		
Eng.		
Scale 1:1	Drawing No 2 of 2	