

## RC 'PICO' LED Lighting Switch



Thank you for purchasing one of our RC Modules. We hope it will give you many years 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.

Wiring to this module has been simplified to a simple V+ and Negative Terminal to where if it is cross wired no damage to either the module or your LED's should occur.

The Module has been designed to work with LED Lights only with limitations to its use.

**Damage may occur to the internal components of the module if you:**

- Exceed the Maximum 900mA Load (Circa 40 Standard LED's)**
- Short Circuit the Output Terminals**
- Allow water or fluid to enter the module.**

**Please remember these few further factors:**

1. As with ALL our products, this module **is incompatible with** PCM (Pulse Code Modulated) and F.S.S.T. Signal Modes.
2. The supply for your LED Lights is derived from your receiver circuit.
3. Your LED's **must** have a limiter resistor in-line unless they are pre-wired for a particular supply voltage. Please see the drawing over the page for details.

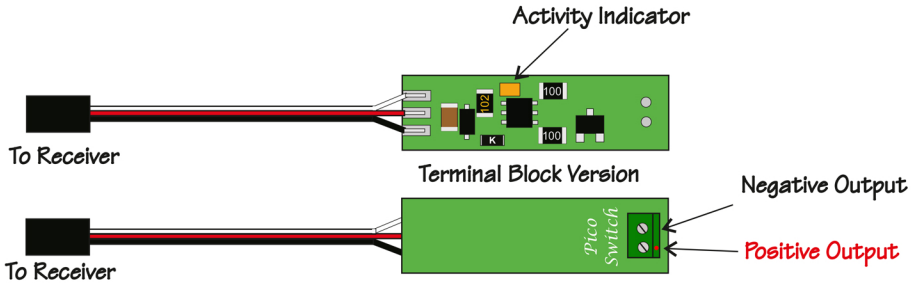
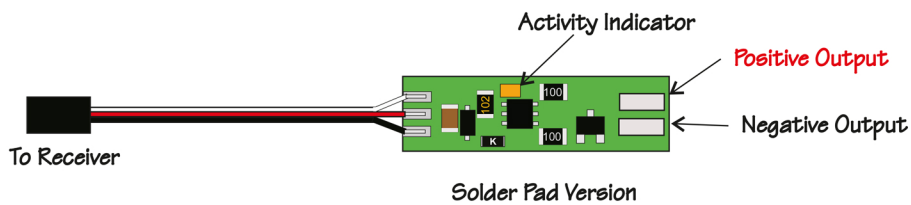
A major factor in the design and application was to simplify the connectivity between receiver and output connections. In doing so has meant that the module will not lend itself to be driven from anything other than a standard three wire servo protocol connection arrangement. Simplified, damage may occur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

In the design of this module we have tried our best to eliminate any problems which may occur during wiring installation and use, consequently if your miss-wire the output to the LED's your Lights will simply not work – No damage should occur.

However we appreciate that as humans we are all hard-wired to make mistakes. We too make mistakes for all sorts of reasons, and if you find you have damaged the module through a short circuit or otherwise, 'Don't Bin It!' Send it back to us and we will repair it for a very, very modest fee + return postage.

Should you need technical support for your purchase, please call +4475 9998183 (075 99998183) between 9am and 5pm Monday to Friday. Please remember, we are a Micro-Business, **We DO NOT** have a dedicated sales desk or enquiries/support staff consequently it may take a few attempts to speak with us. If you find this frustrating, please drop us an email with your name and a phone number and we will return your call as promptly as possible.

Email [support@mr-rcworld.co.uk](mailto:support@mr-rcworld.co.uk)

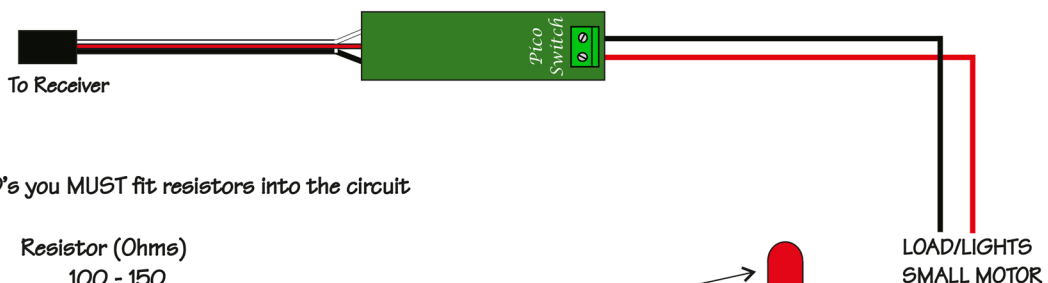
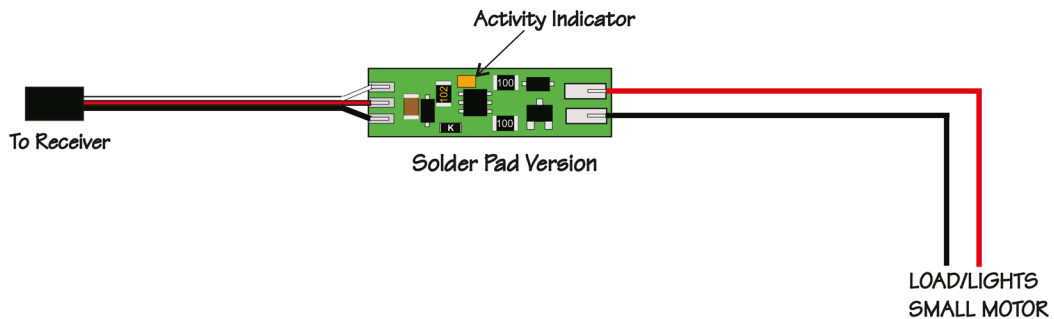


TAKE CARE WHEN FIRST CONNECTING THE MODULE UP.  
OBSERVE THE CORRECT POLARITY.  
DO NOT EXCEED 1A (1000ma) IN CURRENT DRAW

IF YOU DO MAKE A MISTAKE AND SHORT CIRCUIT  
THE OUTPUT THE ONBOARD CIRCUIT PROTECTOR  
WILL MOST CERTAINLY BLOW OUT.

WE UNDERSTAND THAT MISTAKES HAPPEN, WE  
TOO MAKE MISTAKES. DO NOT BIN THE MODULE IF  
THIS HAPPENS, WE CAN REPAIR IT FOR A VERY MODEST  
FEE.

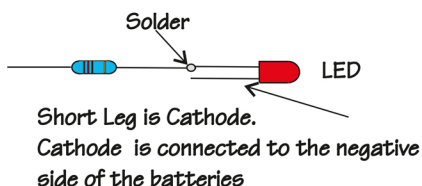
Rev No	0	MR RC WORLD
MAY 2016		
RC 'PICO' SWITCH		
Connection Details		
Eng.		
Scale 1:1	Drawing No 1 of	



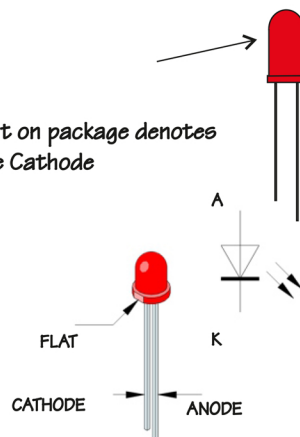
If you are using LED's you MUST fit resistors into the circuit

Battery Voltage	Resistor (Ohms)
5.0V	100 - 150
6.0V	200
9.0V	360
12.0V	510

The Resistor can be placed in either Leg of the LED



Flat on package denotes  
the Cathode



Replacement or additional LED's can be purchased from us  
Please contact us, or visit our website [www.mr-rcworld.co.uk](http://www.mr-rcworld.co.uk)

Rev No	0	MR RC WORLD
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RC 'PICO' SWITCH		
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Scale 1:1	Drawing No 1 of 2	