

***Control four Switches from  
one RC channel.***

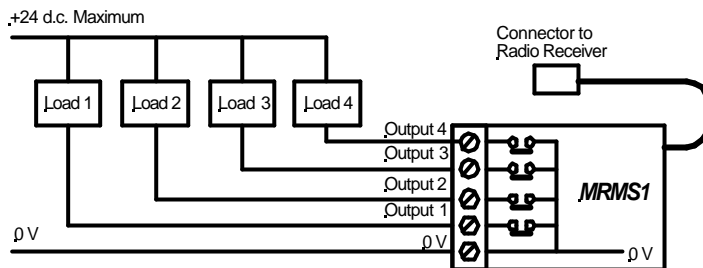
***Individual On/Off Switch  
Selection***

***Powered from RC receiver.***

## ***Features***

- Control up to four switched outputs from one RC channel.
- Each output switch rated at 24 V d.c., 2 A.
- Individual switch selection - latched **on / off** by joystick pulsing.
- Requires analogue transmitter channel with spring loaded centre neutral joystick.
- Digital microprocessor controlled.
- Small size – 45mm x 27mm x 15mm.
- Powered from RC receiver.

## Installation and Wiring



- 1 Connect the flying lead to the selected channel of your radio receiver.
- 2 Connect switch loads between positive supply and appropriate switch terminals.
- 3 Connect negative supply to **0V** terminal. Note that **0V** terminal is connected internally to **0V** supply of RC receiver.
- 4 The supply voltage to the loads must not exceed 24 V d.c.
- 5 Each switch is rated for a maximum current of 2A.

## Operation

- 1 Switches are turned **on** by pulsing the transmitter joystick from **Neutral to Maximum**, and back, and turned **off** by pulsing the joystick from **Neutral to Minimum**, and back.
- 2 The switch selected is determined by the number of successive rapid pulse movements of the joystick:

1 Pulse	Switch 1
2 Pulses	Switch 2
3 Pulses	Switch 3
4 Pulses	Switch 4

Each successive pulse must occur within **1 second** of the previous pulse.

If the joystick is pulsed more than four times, **Switch 4** will be selected.

The selected switch will operate **1 second** after the last detected pulse.

## ***Auto Zero***

The **MultiSwitch** will automatically determine the transmitted pulse width of the neutral position of the transmitter provided that:

- The transmitter is on when the **MultiSwitch** is powered up.
- The joystick is in the **Neutral** position, with a pulse width in the range 1.3 to 1.7 ms.

The measured auto zero value will be saved in non-volatile memory, and used for subsequent determinations of maximum and minimum switching positions, to remove the need for any transmitter adjustments.

If the **MultiSwitch** is subsequently powered up with the transmitter off, the previously saved auto zero value will be restored.