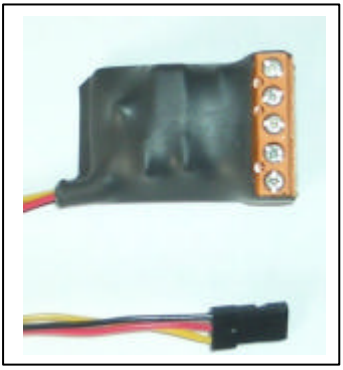
Timpdon Marine

Radio MultiSwitch
Model MRMS4



Control four Switches from one RC channel.

Single Sequential Switch Operation.

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.
- Single Sequential Switch Operation, with eight steps.
- Requires analogue transmitter channel with spring loaded centre neutral joystick.
- Digital microprocessor controlled.
- Small size – 45mm x 27mm x 15mm.
- Powered from RC receiver.

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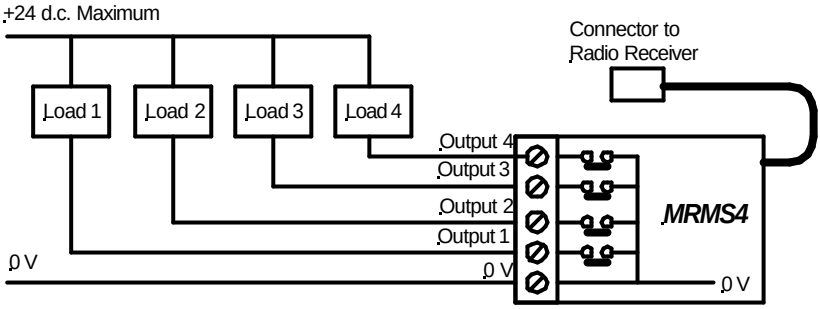
Installation and Wiring



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 **0 V** terminal. Note that **0 V** terminal is connected internally to **0 V** 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.

2 On each successive **on** pulse, the switch configuration will change to the next step according to the table below. After **Step 8**, the next pulse will revert to **Step 1**.

3 All switches may be turned **off**, and the switch configuration returned to **Step 1** by pulsing the transmitter joystick from **Neutral** to **Minimum**, once, at any time.

Switch Configuration Table

	Switch			
Step	1	2	3	4
1	Off	Off	Off	Off
2	**On**	Off	Off	Off
3	Off	**On**	Off	Off
4	Off	Off	**On**	Off
5	Off	Off	Off	**On**
6	Off	Off	**On**	Off
7	Off	**On**	Off	Off
8	**On**	Off	Off	Off

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 **Neutra**l 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.