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# MRW-SSQS

by Model Radio Workshop

# MRW-SSQ 4 x Way Solid State Switch



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Congratulations on buying the Remote Control Systems Quad 4 Way Solid State Switch. (MRW # RCS02) If you treat it with respect it will reward you with many years of trouble free service.

Operating voltage is 4.4v to 6.3 v. Switch points are 1.25ms and 1.75ms on each channel.

There are no user serviceable parts.

## FEATURES

Two outputs can be controlled by one channel. i.e. two pushbuttons.

Two more outputs on another ch,

Each output can be individually controlled. Latching or non-latching operation can be selected.

## INSTRUCTIONS

Plug the flying leads on the Quad 4 way solid-state switch into the two selected channels on your receiver. Switch on the transmitter and then the receiver.

The MRW R/C switches will work correctly with all RCS Receivers.

If using other brands of Rx's please make sure that the channel you are using has the end point/travel adjustments set to 100% of movement. If you don't, you may find that one side will not switch on and off.

Press one button to control one output.

Press the other button to control the other output. The action can be latching or non-latching.

With non-latching action, the output remains on only while the button. is held on that side of neutral. With latching action, the output remains on even when the button is released. To turn it off press the button again.

## SET-UP

Press and hold the F1 button & then press the SET key. The item being controlled by that output will switch off to confirm that the latching action has been set. The let the F1 button go. The output controlled by that button changes from latching to non-latching or from non-latching to latching each time the key is pressed.

Repeat the procedure with the other (F2) button on the channel to change the action of the other output on this channel.

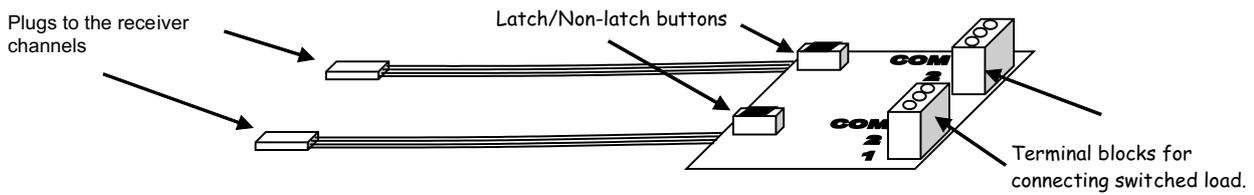
The unit remembers the settings and they will be retained until another output invert operation is performed.

Repeat the same procedure with F3 and F4 on the other channel.

## SAFETY

Please ensure that the SET key cannot be pressed accidentally while the unit is in use.

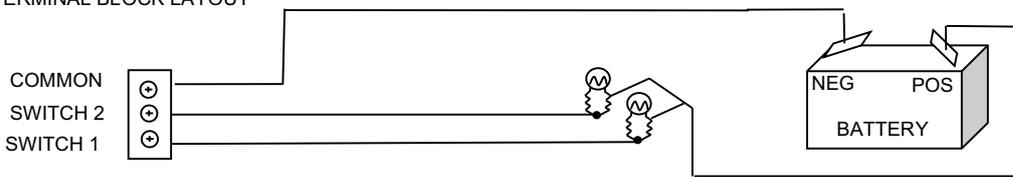
Please ensure that the SET key cannot be pressed accidentally while the unit is in use.



Wiring for 2 way solid state unit with two bulbs being used.  
This diagram applies to both sides of the unit.

PLEASE OBSERVE THE POLARITY, INCORRECT WIRING CAN DAMAGE THE SWITCHER

TERMINAL BLOCK LAYOUT



Plug # MRW-SSQS into any spare two channels with a centre idle.  
Usually Ch # 2 & Ch # 4. OR:  
Plug one servo lead into Ch # 2 and the second servo lead into channel # 5.  
If MyLocosound connection to # 1 doesn't work, swap lead to connection # 2.

No common ground connection is needed as long as sound is powered by the traction batteries.

