

PO BOX 1118 BAYSWATER, VIC 3153, AUSTRALIA
PHONE: INTERNATIONAL ++614 2902 9083
AUSTRALIA (04) 2902 9083®

Web: <http://www.rcs-rc.com> Email: rcs@rcs-rc.com

MRW-SSLS



MRW-SSLS

by Model Radio Workshop

Congratulations on buying this Remote Control Systems 2 Way Solid State Light Control Switch. 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 1.45 ms and 1.55 ms on each channel.

There are no user serviceable components.

See Page # 2 & 3 for Live Steam usages. Connecting to servos.

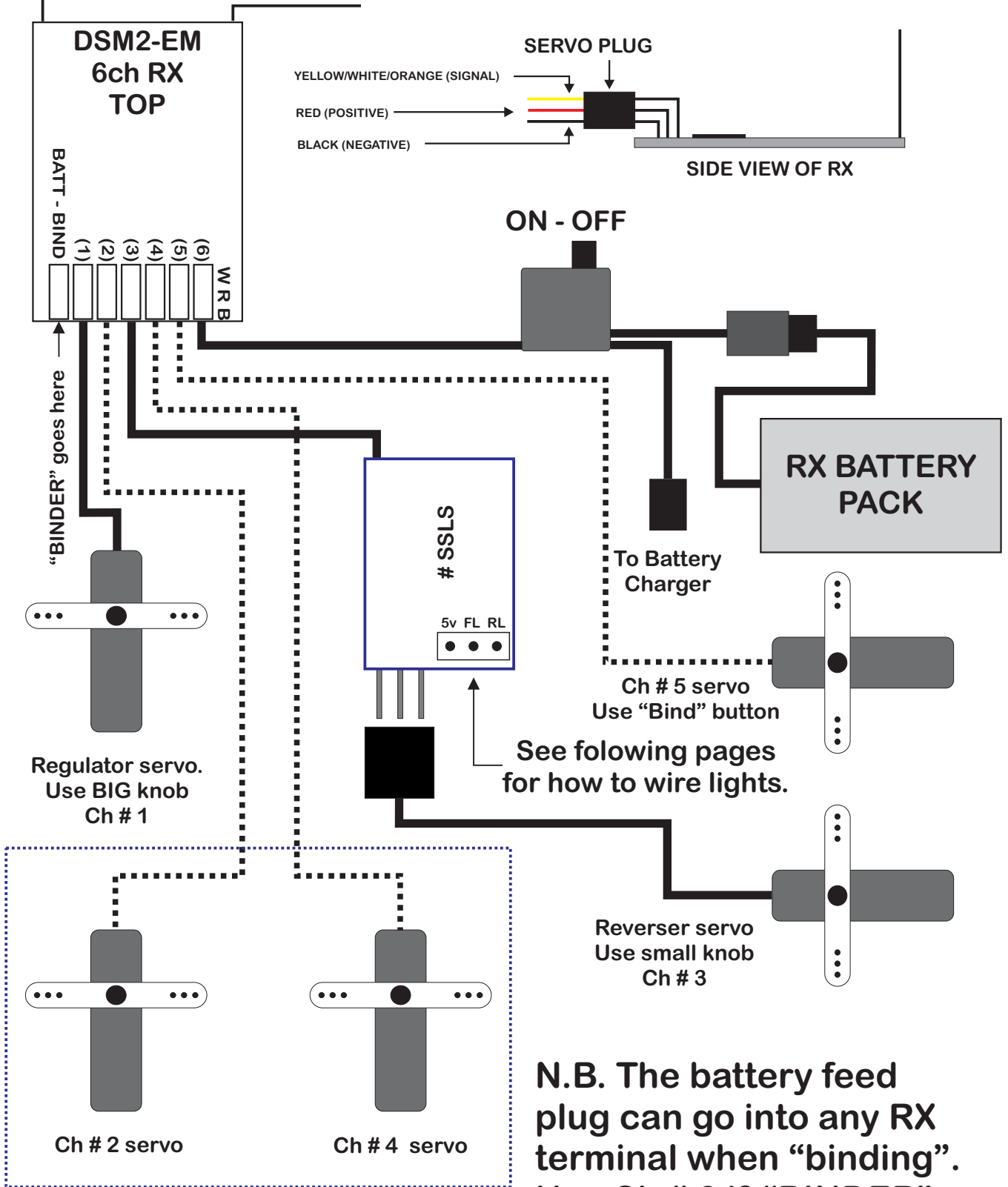
Pages 4, 5, 6 & 7 have wiring information for a number of different ESC applications with battery R/C locos.

RCS welcomes ideas for other applications.

See page # 8 for more details.

CONNECTING SERVOS & # MRW-SSLS FOR AUTOMATIC DIRECTIONAL LIGHTS USING A DSM2-EM

IF BINDING SOCKET IS BEING USED, CONNECT BATTERY TO ANY SPARE TERMINAL

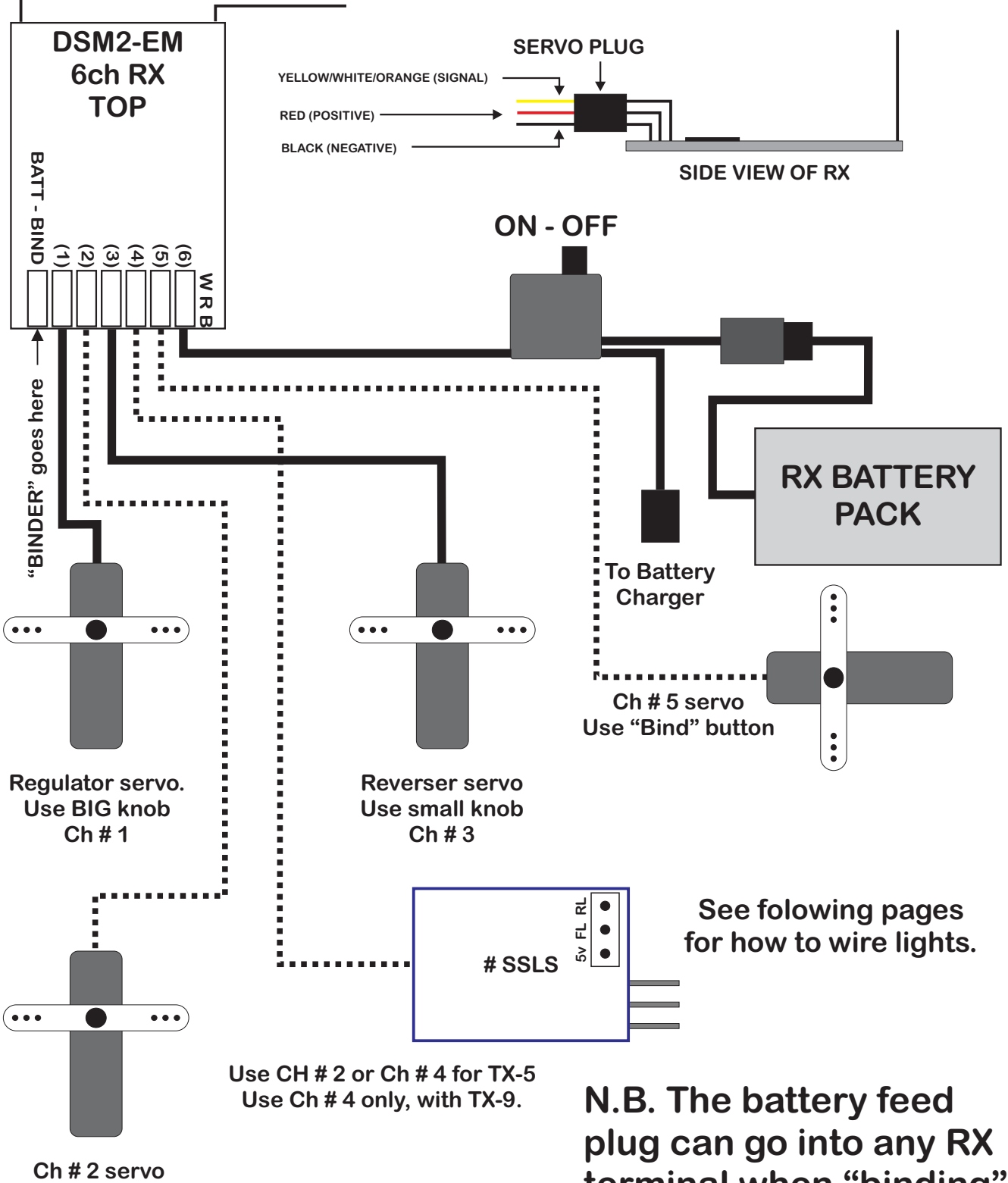


EXTRA SERVOS FOR TX-5 & TX-9

N.B. The battery feed plug can go into any RX terminal when "binding". Use Ch # 6 if "BINDER" is employed. Observe correct polarity.

CONNECTING SERVOS & # MRW-SSLS FOR MANUAL DIRECTIONAL LIGHTS USING A DSM2-EM

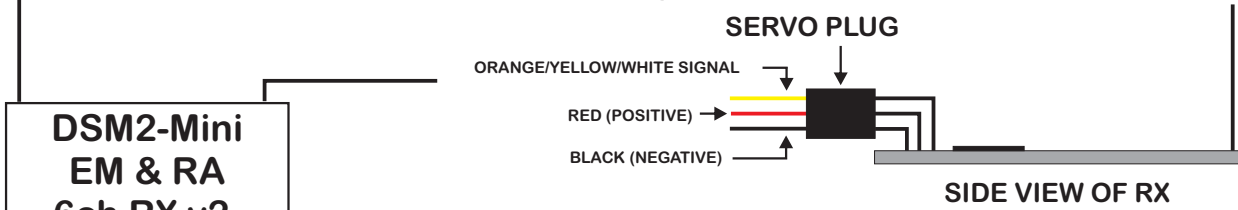
IF BINDING SOCKET IS BEING USED, CONNECT BATTERY TO ANY SPARE TERMINAL



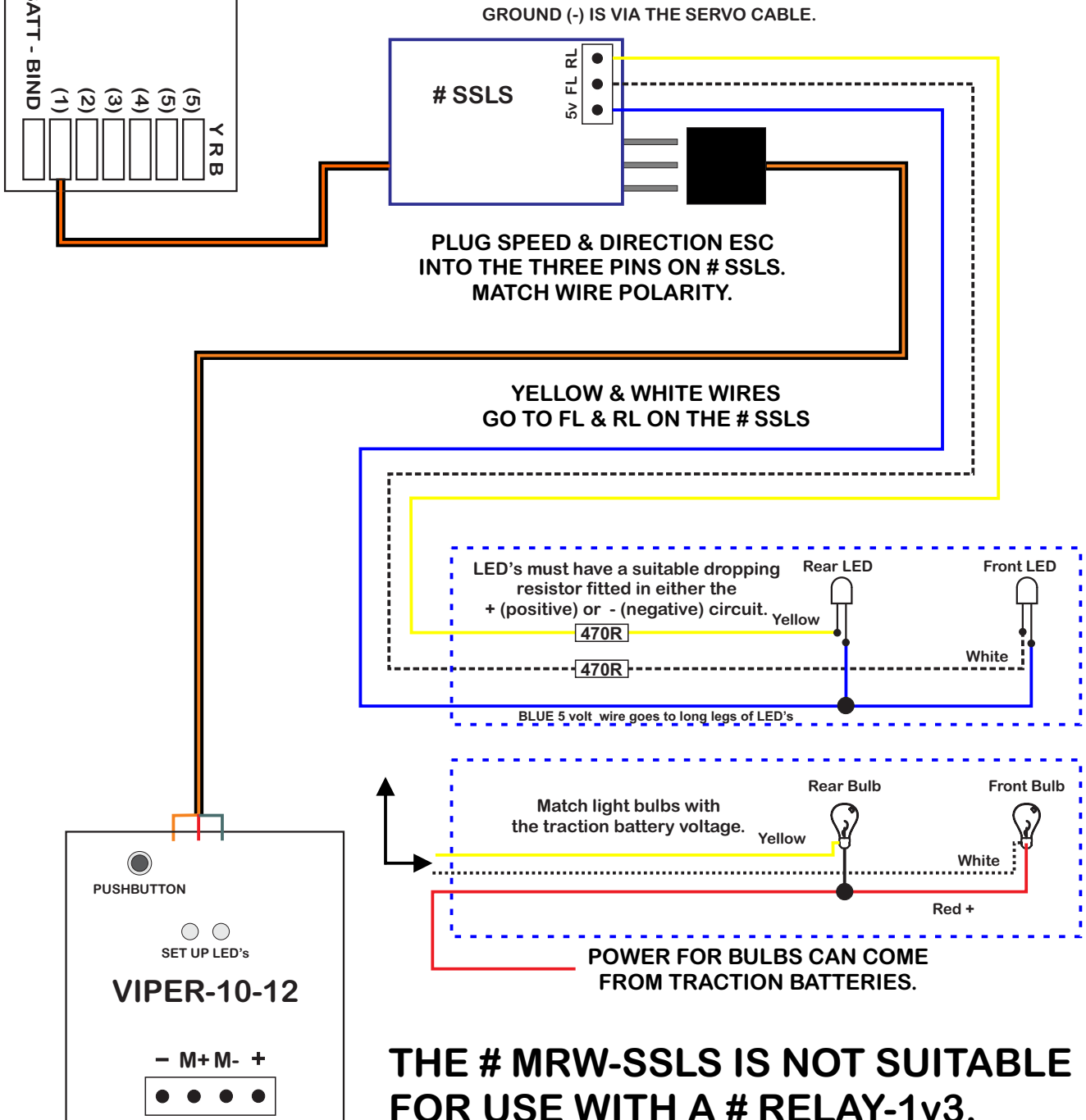
EXTRA FUNCTIONS FOR TX-5 & TX-9

N.B. The battery feed plug can go into any RX terminal when “binding”. Use Ch # 6 if “BINDER” is employed
Observe correct polarity.

WIRING THE RCS #MRW-SSLS w/LED's or BULBS for automatic directional lights using a DSM2-EM Rx & a VIPER ESC.

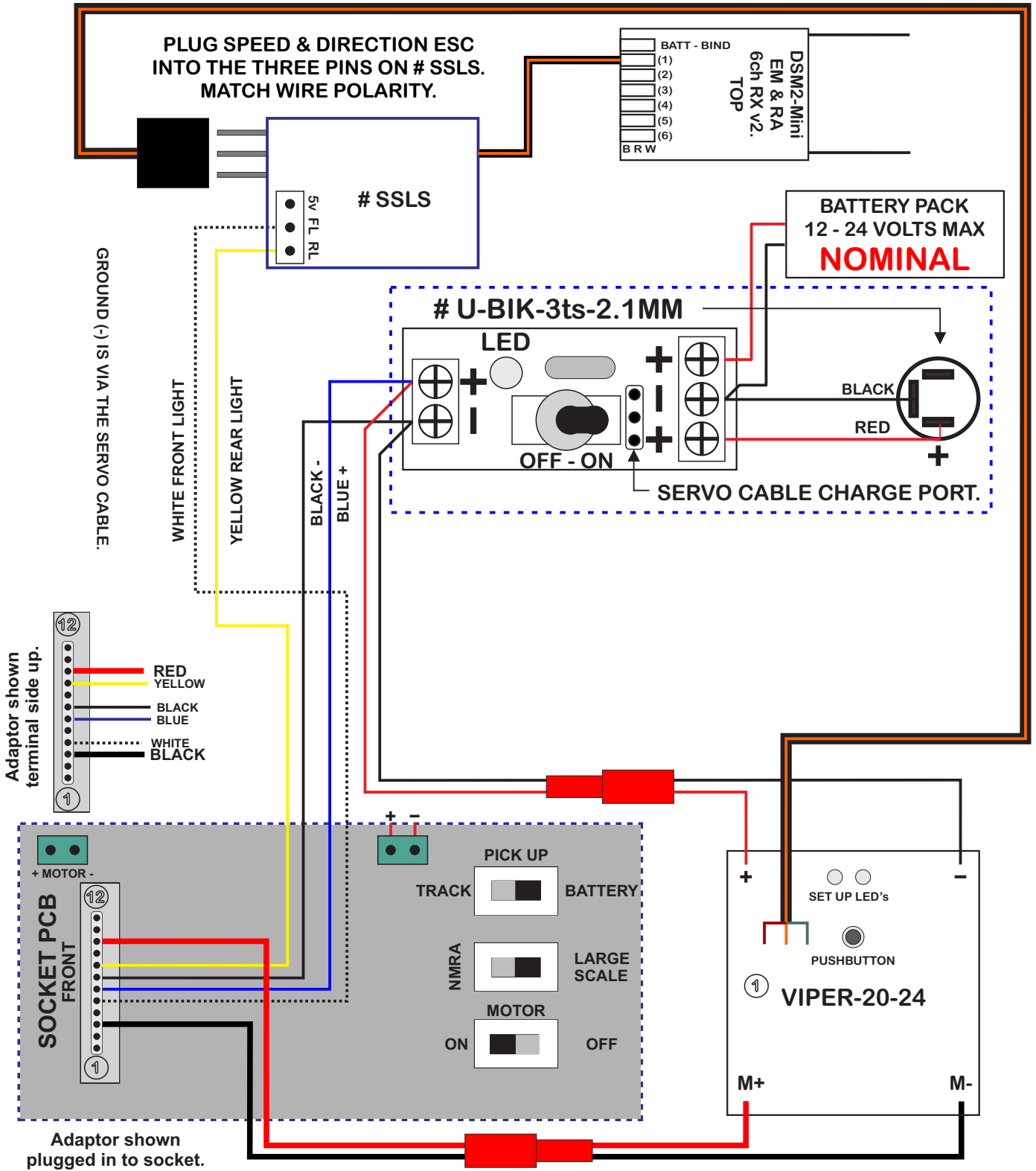


N.B. Maximum current on each output is 100 ma.

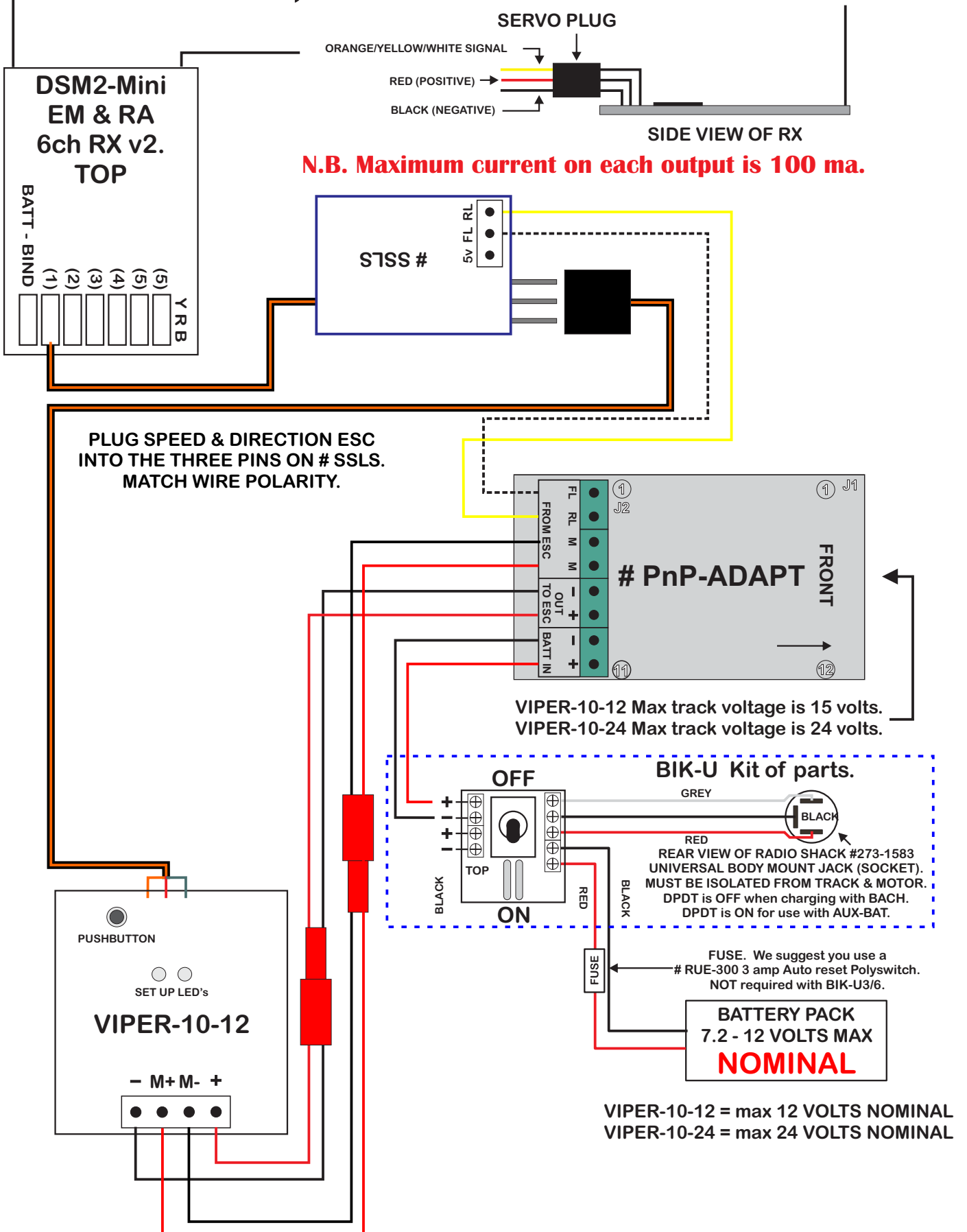


THE # MRW-SSLS IS NOT SUITABLE FOR USE WITH A # RELAY-1v3.

WIRING THE RCS # BATTERY-PNP to BACHMANN & ARISTOCRAFT PnP sockets. Using on board batteries & a VIPER ESC. Directional lights. No sound fitted.

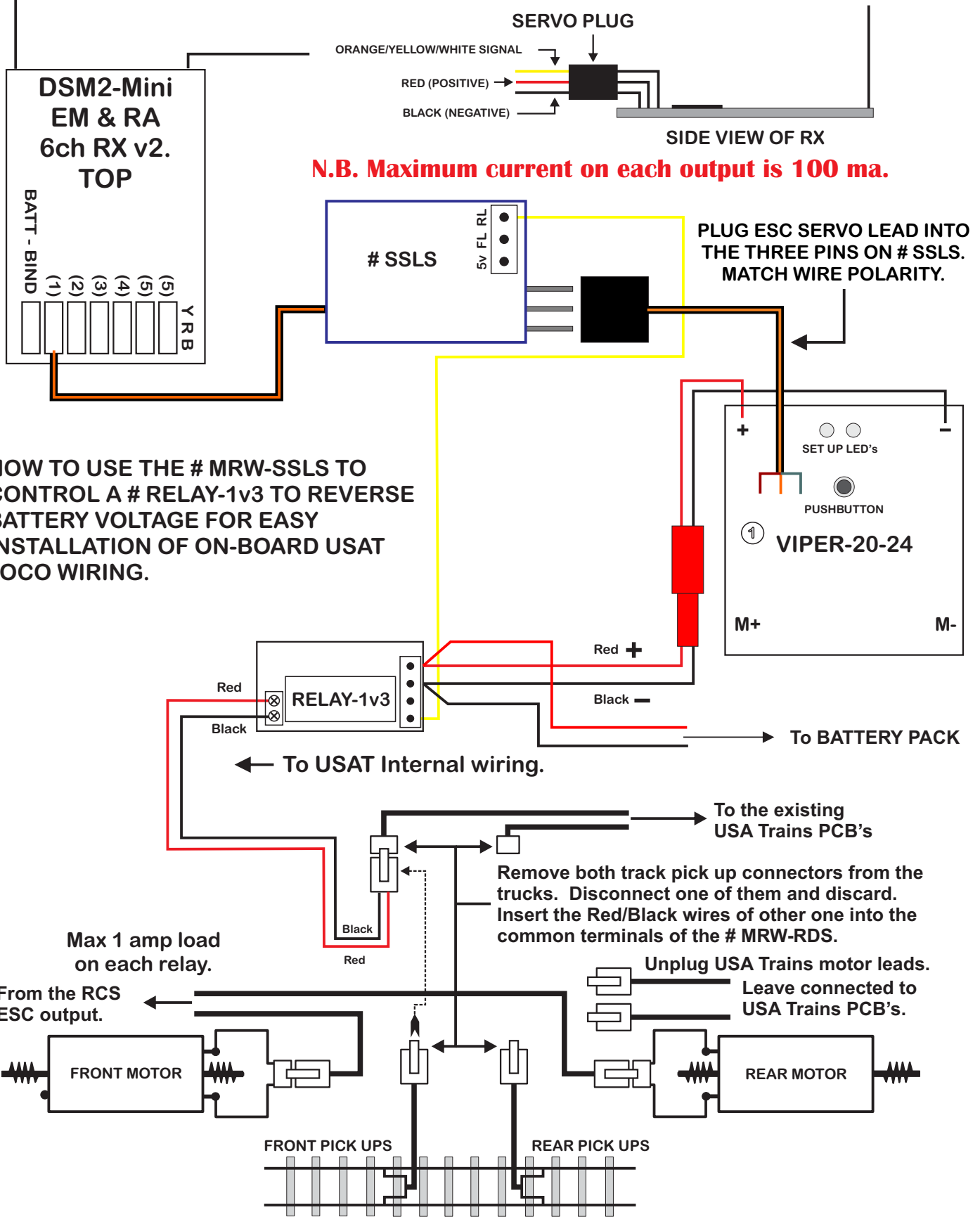


Wiring the RCS #MRW-SSLS for auto directional lights when using a PNP-ADAPT, DSM2-EM Rx & a VIPER ESC.



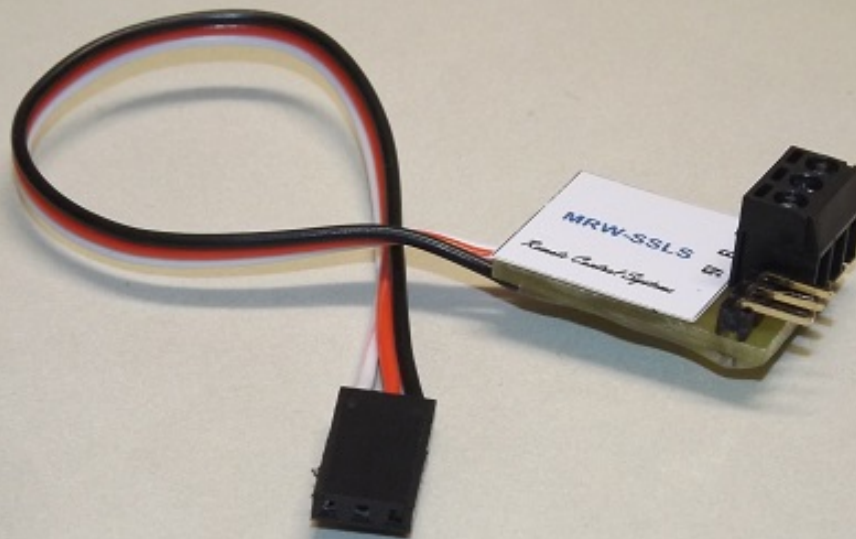
WIRING THE RCS #MRW-SSLS between a DSM2-MINI & a RELAY-1v3 for controlling the on board electronics in USAT locos.

N.B.



HOW TO USE THE # MRW-SSLS TO CONTROL A # RELAY-1v3 TO REVERSE BATTERY VOLTAGE FOR EASY INSTALLATION OF ON-BOARD USAT LOCO WIRING.

MRW-SSLS



© RCS 2018

The # MRW-SSLS has been designed to provide constant brightness directional lighting for any R/C system using a Centre OFF ESC controlled by any Rx's that do not have that feature.

It is connected in-line with the Direction and Speed control channel of the RX you are using. Or, use the direction set servo of live steam locos. The # MRW-SSLS reads the servo signal and automatically follows direction change.

Unlike other R/C switches the # MRW-SSLS always has the selected direction light **ON BEFORE** the loco starts moving.

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% throw. Otherwise, you may find that one side will not switch on and off.

The pcb is provided with a 5 volt supply from the ESC. You can use this to power LED's, incandescent bulbs and relays.

OR You can use any other battery voltage provided the Rx is powered by the loco traction batteries and the ground is common. Light bulbs & Relays must then match the traction battery voltage. LED's must always have a dropping resistor in the circuit.

Made in the UK by Model Radio Workshop (# RCS03)