



MARS, STROBE, & DITCH LIGHTS FOR RX-3A

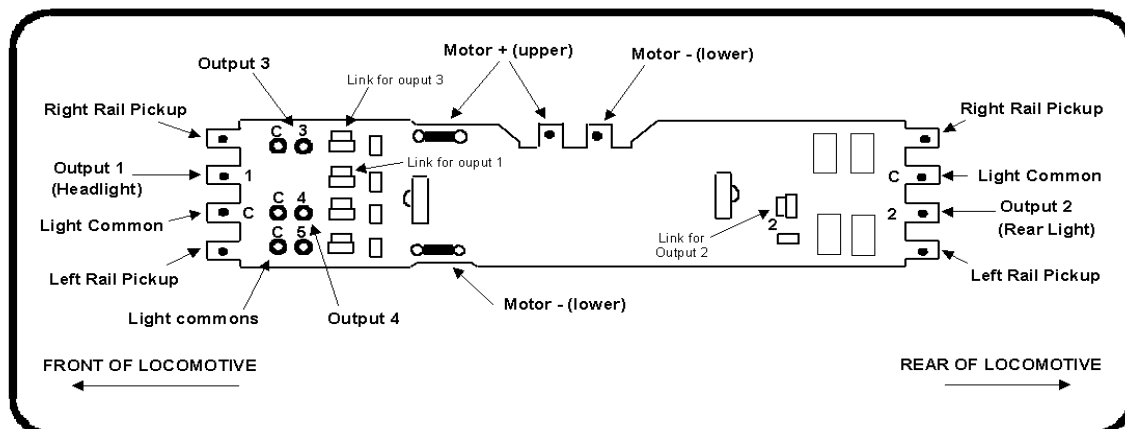
The MARS light is connected between the Common "C" and the "3" hole. The Strobe and Ditch Lights connect between the Common "C" and the "3 & 4" holes. The outputs of all the lighting effects are 12 Volts.

Note: Due to the high in-rush current of incandescent grain-of-wheat type bulbs (about 10 times their normal operating current) outputs are rated at 40mA each if used with incandescent bulbs, otherwise they are rated at 100mA continuous if used with LEDs or other low in-rush devices. We recommend the Miniatronics #18-712-10[12v], #18-014-10 [14v] If you wish to use 50-100mA rated lamps we recommend a 22 ohm 1/4 Watt resistor in series with each bulb (this will greatly extend bulb life).

If you use an LED a series resistor is required. Built-in resistors are provided but are disabled at the factory with a "U" shaped shorting link built in to the circuit board. To use these resistors *you must cut the link associated with each LED*. The links are marked on the diagram below. The link is a thin circuit board trace on the receiver that can be cut with a hobby knife. Make sure the link is completely cut or you will blow up your LED and possibly the lighting output of the receiver. **If you are using 12-16 volt incandescent bulbs do not cut the links.** Also the cathode (shorter lead or lead by the flat spot on body) goes towards the "3 or 4" side.

The RX-3A ships from the factory with Aux lighting in "toggle" mode unless otherwise specified at time of order.

CONNECTION DIAGRAM



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