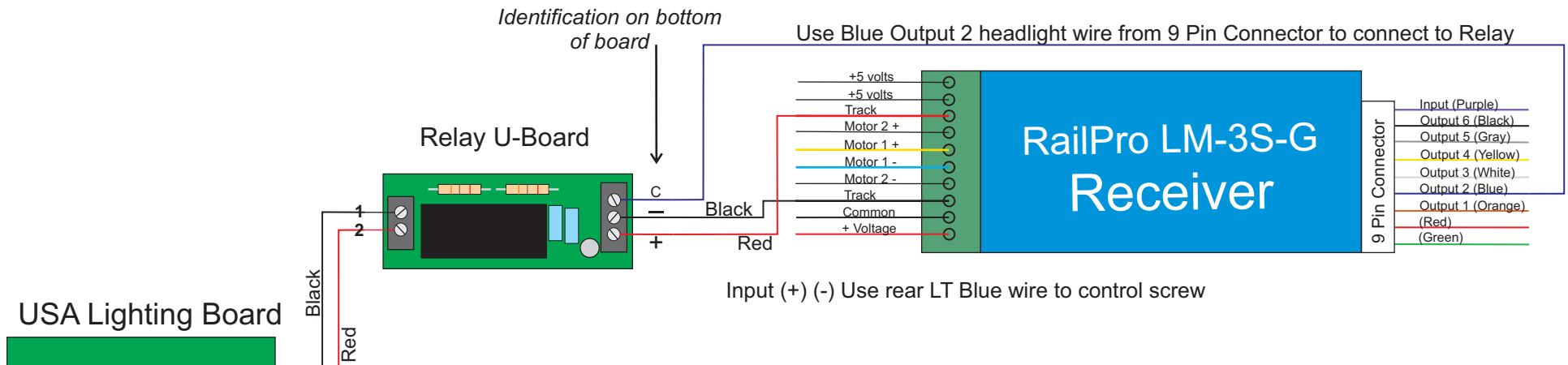


Universal Relay Wiring Diagram

CONNECTING RELAY-U IN USAT LOCO'S WITH RED/GREEN LED MARKERS

The Relay-U board provides an easy connection to control the Bi-Color directional markers.



Universal Relay Wiring Notes

1. Make sure insulated tape is on bottom of Relay board before mounting. Connect Relay power (+) (-) wires to Receiver track screw terminals red(+) & black (-) along with main power wires. Be careful to fully insert all wires under screw terminals. Connect Receiver blue output wire to (C) terminal on Relay. Blue wire is defaulted for back light.
2. Find on the USA lighting board, the longer red/black wire labeled Pick/Power. Cut off the plug and connect to the relay output screw terminals 1 & 2.
3. When powering on, if front markers are red, then reverse wires at Relay terminals 1 & 2. Now forward headlight, cab, number boards, green markers will come on correctly.
4. Must change back light file name. To change, turn on loco, select this loco, on left side of engine photo, press tools. Press next page three times for Loco Button Setup. Press the little next Button to move green square to Back Light. Press file Name On Off 1 Sec Rev2 and select from the list, On Off Rev2. Confirm new name and Output wire color is blue. Press exit page and press Save!! If you miss this step, Relay will buzz and could burn out.

Don Sweet
RCS of New England
79 Abbott Rd
Penacook, NH 03303
603-321-1347
www.rcsofne.com