Remote Control Systems

PCM RADIO CONTROL

ONBOARD ACCESSORIES

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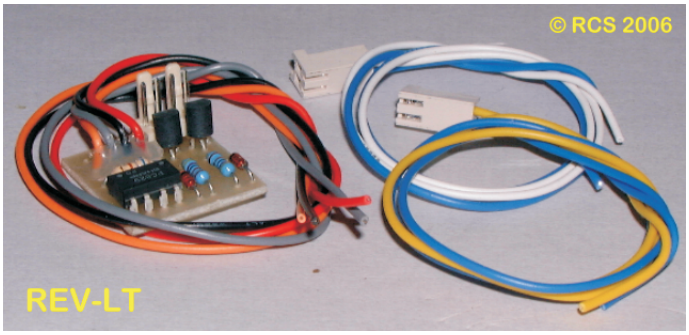
RCS # REV-LT.

PLUG IN IN-LINE OUTPUT VOLTAGE ANALYSER.
FOR USE WITH ANY BATTERY POWERED THROTTLE.



INSTRUCTIONS.

This device is designed to analyse an R/C throttle POWER OUTPUT and provide direction controlled constant brightness lighting.
It can also be used with relays to provide a direction controlled heavy duty switching circuit. Simply match the relay coil voltage to the traction battery voltage. A kickback diode across the relay coil is NOT needed.

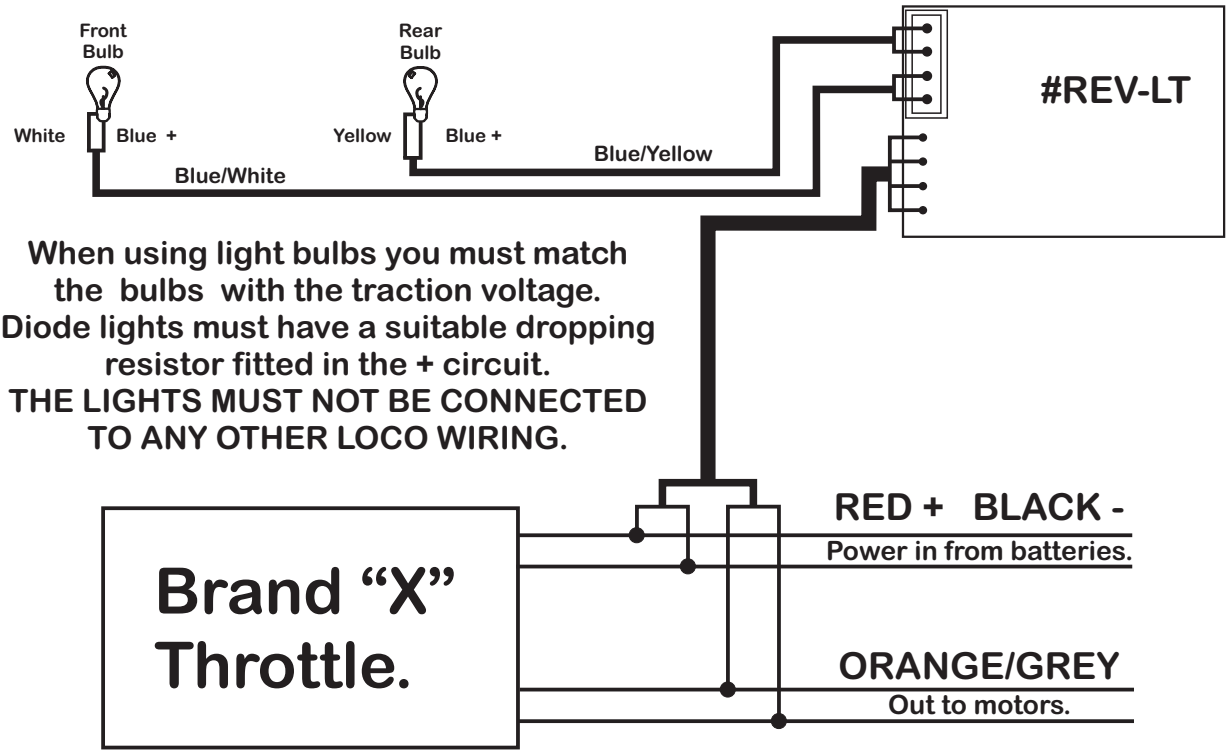
DESCRIPTION. Many battery R/C throttles do not have directional lighting outputs. This device can be used with any brand including the Reeds/VCS and Aristo Craft TE Mini On-board.

INSTALLATION. The actual circuit is shown overleaf.
Place the **REV-LT** in a convenient location.
Mount with double stick tape or Velcro.
Do not allow metal objects to touch the rear of the PCB. Damage to the PCB may result and is not covered by warranty.
IT IS MOST IMPORTANT: That you make sure the Red/Black power supply wires and the Orange/Grey motor wires are wired correctly.
Determine which wires are which on your own R/C installation. Make a note of the colours and match them with the RCS equivalent.
Where the R/C throttle has screw terminals provided, just piggyback them.
In some situations you may have to splice the **REV-LT** wires into an existing loom. When doing this be extra careful not to leave any exposed wires flapping about.

OPERATION. The **REV-LT** is fully automatic.
At rest with no motor output both lights are out.
Correctly wired lights will come on as soon as the throttle is cracked open. That is at less than 1 volt output.
The opto coupler will detect that power is going to the motor(s) and in which polarity (direction).

CAUTION: Maximum switching current is 100ma.

WIRING THE RCS #REV-LT



IT IS MOST IMPORTANT THAT YOU GET THE WIRING CORRECT. SEVERE DAMAGE TO THE PCB MAY RESULT IF THE RED/BLACK WIRES ARE REVERSED.

THIS DEVICE CAN ALSO BE USED TO SWITCH RELAYS.

SIMPLY USE A RELAY WITH A COIL VOLTAGE THE SAME AS THE TRACTION BATTERIES.

KICK BACK DIODES ARE NOT NECESSARY.