

## **SYSTEM OPERATION**

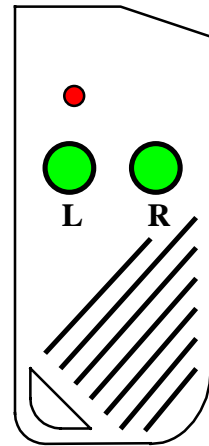
### **TO USE THE SYSTEM**

#### **RED BUTTON**

Pressing the right button on the remote control will give a 0.5 second negative pulse through the green and yellow wires which should be connected together. The blue wire is a latched, negative output (open collector) which works in conjunction with the right button also. Each time the blue wire goes negative the white wire, which may be connected directly to an LED will flash the light.

#### **GREEN BUTTON**

Pressing the left button will give a 0.5 second negative pulse through the brown wire. This output is totally independant of any of the other outputs.



## **LEARNING NEW TRANSMITTERS**

Your RCP incorporates a unique code learning system. This enables extra remotes to be added (or deleted) with ease. You can utilise a maximum of 15 remote controls if required.

**WIRING INSTRUCTIONS:** Please refer to wiring diagram, in use with the written info. below.

17CM LONG WIRE	-	This is the antenna wire. <b>Do not cut.</b>
RED WIRES (1 from module & 1 from indicator relay)	-	Connect to two <u>separate</u> <u>constant fused</u> <b>+12 Volts DC supplies.</b> (Min 15 Amps) i.e. Has +12V when the ignition is turned <b>off</b> , via fuse box. <b><u>WARNING:</u> Do not connect power to the red wire until the green and yellow wires are fully insulated.</b> If the red power wire touches the green or yellow wire, damage will be caused to the central lock outputs. This is not covered under warranty.
BLACK WIRE	-	<b>Earth / Ground.</b> Connect this wire to a suitable point on the vehicle's body or directly to the negative terminal on the car's battery.
GREEN WIRE connected to YELLOW WIRE	- -	<b>Negative momentary pulse</b> when red button is pressed. (150mA max rating)
WHITE/BLACK	-	Connect to the matching wire from the indicator relay supplied.
BROWN	-	Connect to a relay (not supplied) to drive a boot release motor. (150mA maximum rating)
ORANGE X 2		Connect one orange wire to the left and one orange wire to the right indicator circuits in the vehicle.
BLUE WIRE	-	This wire is a negative out when armed. (150mA maximum rating)
WHITE WIRE	-	Connect to the GREY/BLACK wire from the LED. Connect the positive side of the LED (GREY) directly to the fused +12V supply.

Please ensure that the red wire from the module is connected to fused +12 Volts (min 15 Amps) and that the black wire is connected (earthed) to the vehicle's body, or directly to the negative terminal on the car's battery.

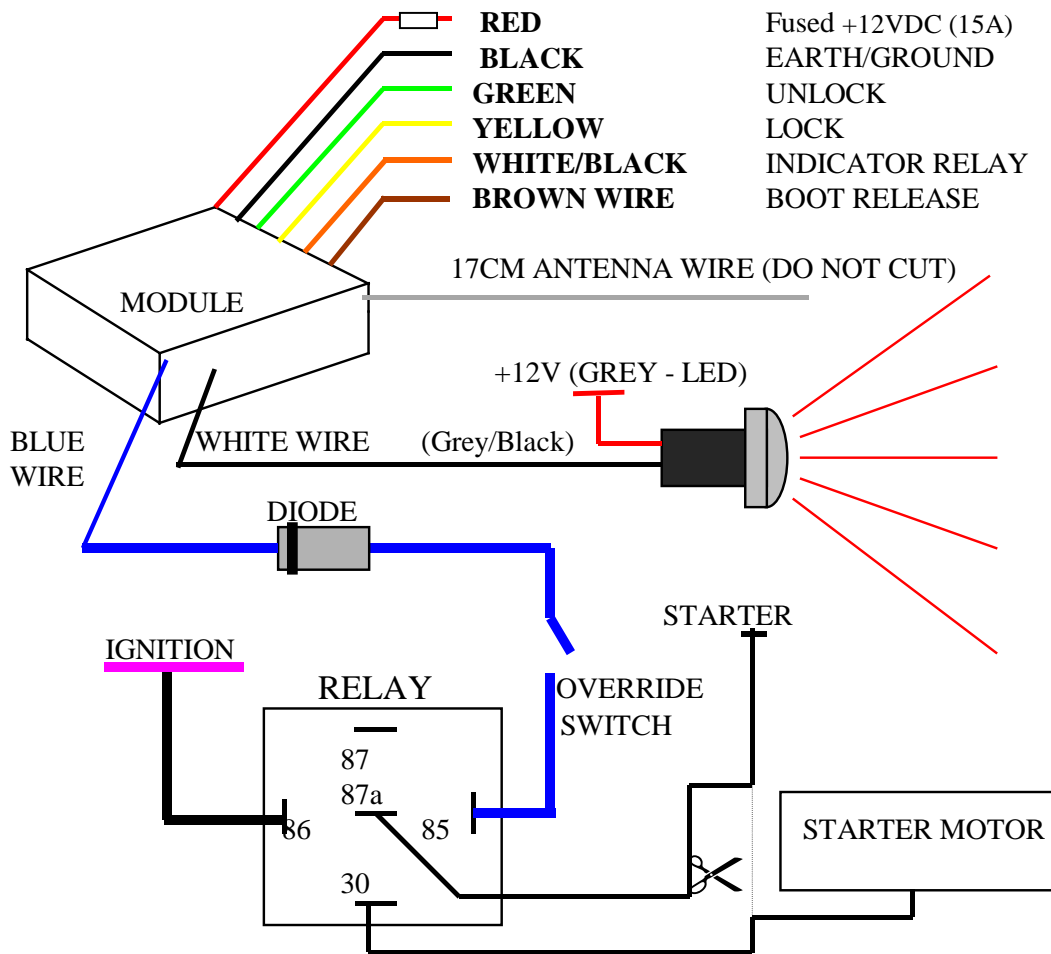
**ELECTRICAL CHARACTERISTICS**

PARAMETER	MINIMUM	TYPICAL	MAXIMUM
Supply current @ Vcc = 12V	-	7mA	13mA
Supply voltage (Vcc)	10V <sub>o</sub>	12V	14V
Operating Temperature (Degrees Celsius)	-20	+25	+85

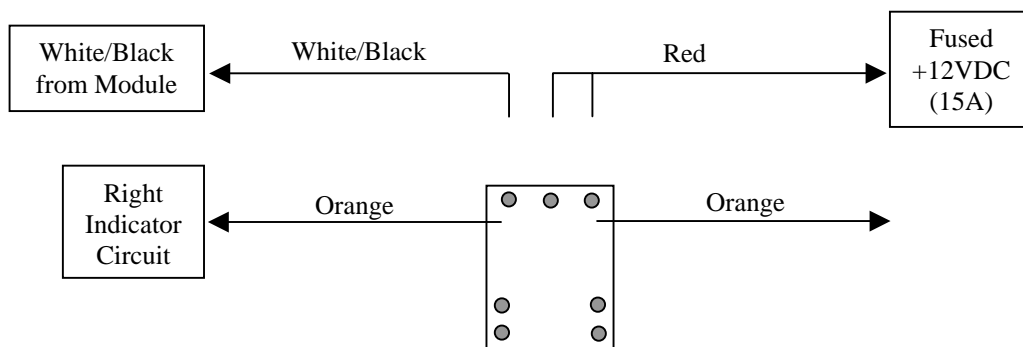
**ABSOLUTE MAXIMUM RATINGS**

PARAMETER	MINIMUM	MAXIMUM
Storage Temperature	-55	+150
Supply Voltage, Vcc Max.	0V	+18V

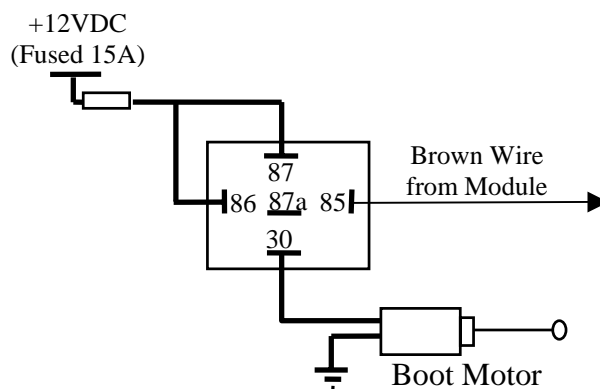
**WIRING DIAGRAM**



### **Indicator Flash Diagram**



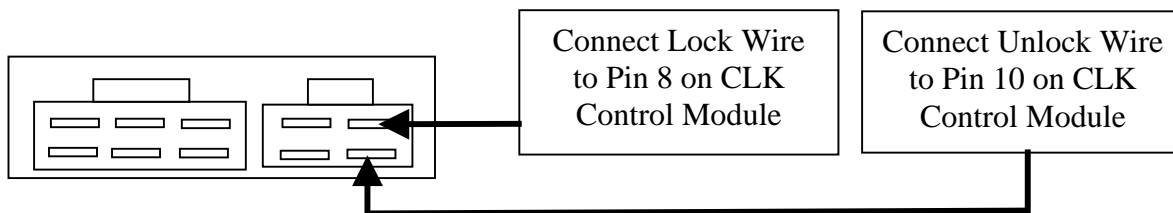
### **Boot Release Connection Diagram (40A Changeover Relay Required)**



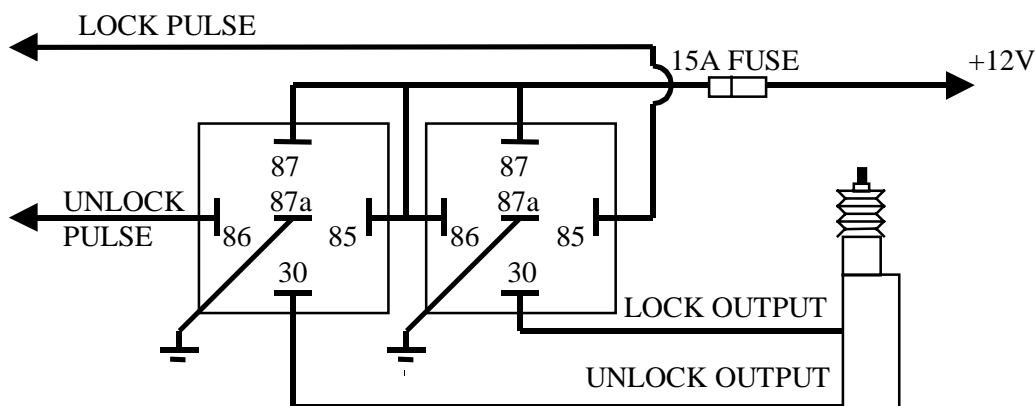
## CENTRAL LOCKING CONNECTION DIAGRAMS

**All relays depicted are changeover type.**

## CONNECTING TO RHINO CENTRAL LOCKING KIT (CLK)



**INSTALLING A NEW MOTOR - often required in vehicles that have factory locking but have no motor in the driver's door, or you would like "keyless entry" on driver's door.**



## SECURE UNLOCKING – DRIVERS DOOR ONLY WITH RHINO CENTRAL LOCKING KIT (CLK):

Pressing **right button** unlocks driver's door only. Pressing **left button** unlocks all doors. Pressing right button again locks all doors. (Like VT Commodore operation).

