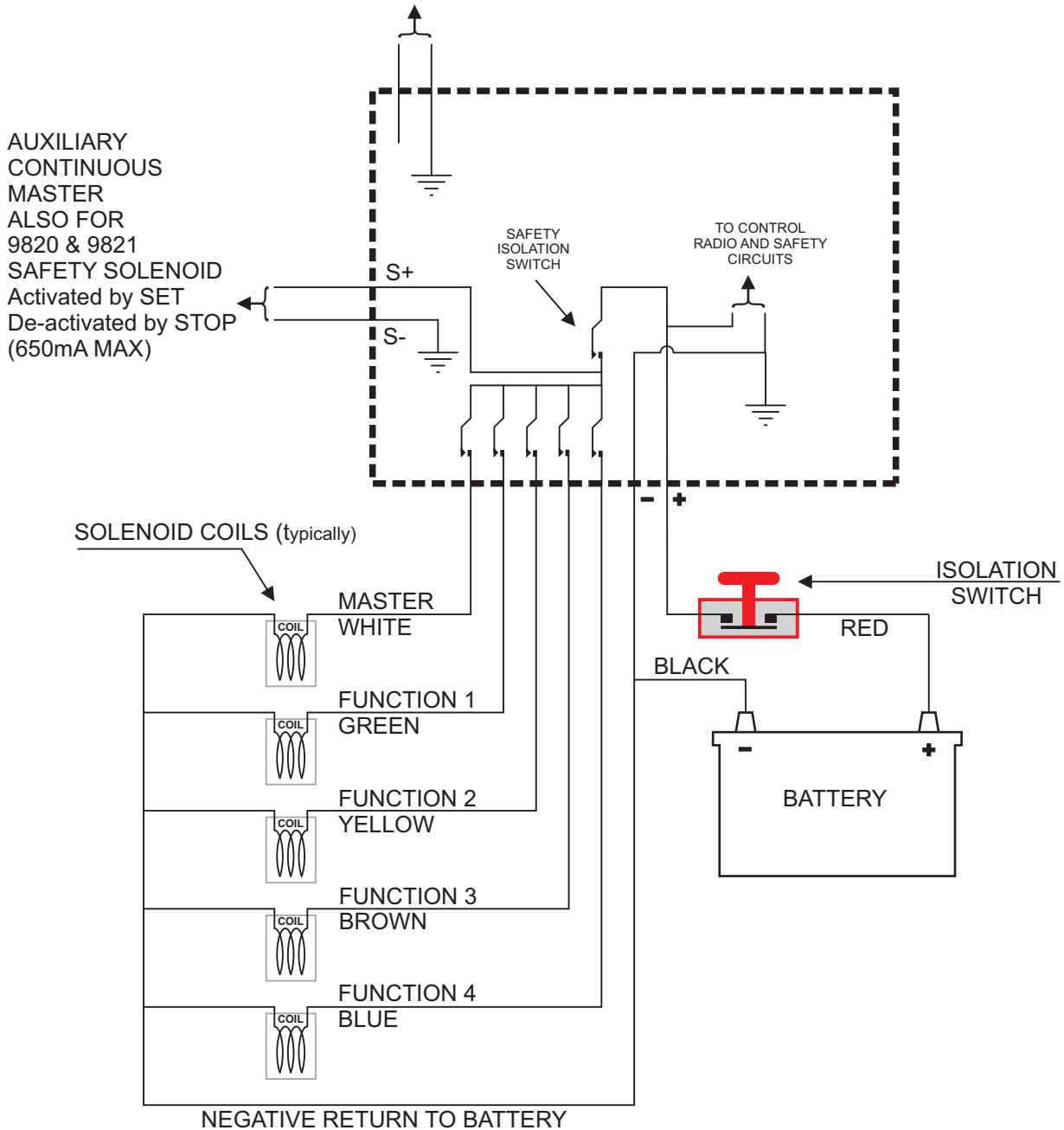


CIRCUITS THAT ARE AVAILABLE ON LODAR RECEIVERS

Features listed below are available on 92 Series and 93 Series

STOP CIRCUIT uses are: -
 OVER TEMPERATURE and OVER PRESSURE, etc.
 ALLOWS AN EXTERNAL SENSOR
 TO SWITCH OFF THE LODAR RECEIVER
 (CONNECT STOP TO GROUND TO DE-ACTIVATE LODAR)



MASTER OUTPUT

either **PARALLEL** activated by any Transmitter **FUNCTION**, but not **STOP** or **RESET**
 or **CONTINUOUS** activated by Transmitter **RESET**, de-activated by Transmitter **STOP**

Diagram 1

Circuit for key switch to allow Lodar to be "SET", key can then be removed.

Use the key switch to energise the relay, this breaks the "STOP" circuit, the receiver can be "SET" using the transmitter, this in turn powers "S+" which will hold the relay open. The key can now be removed.

If the Lodar "STOP" button is used, "S+" and hence the relay will be de-energised, and the key will have to be used to reactivate the Lodar receiver.

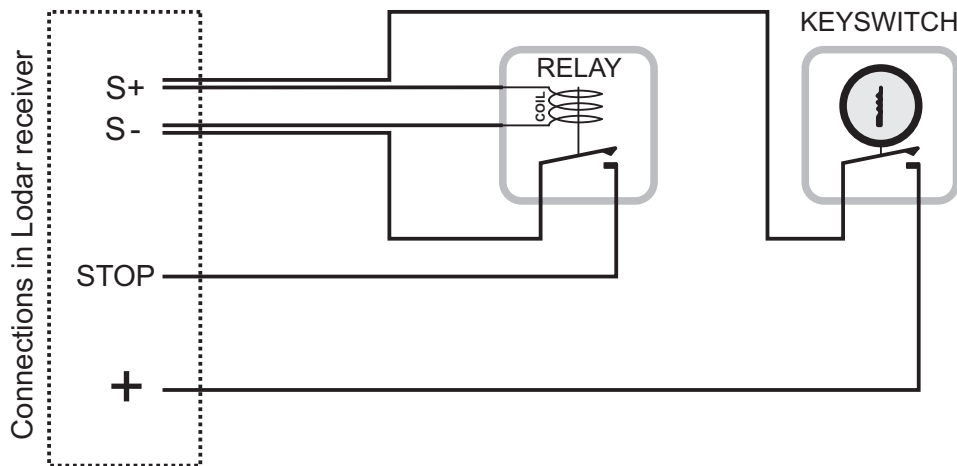


Diagram 2a

Simple circuit for key switch activation of Lodar receiver

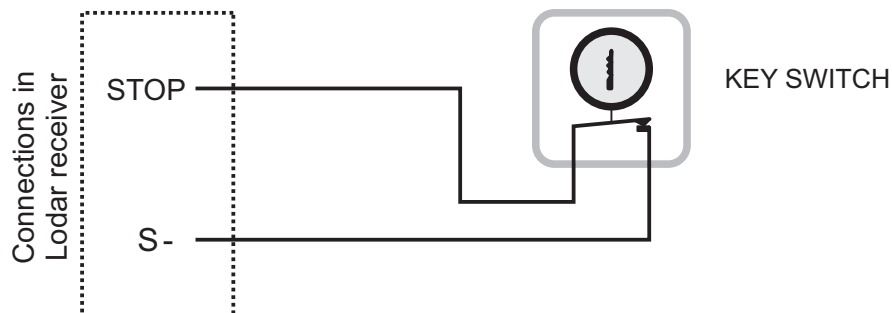


Diagram 2b

The key switch is used to de-activate (break) the "STOP" circuit, the receiver can then be "SET". Reactivate the "STOP" circuit and remove the key for system security.

Sensor circuit "Make" to switch off "STOP" the Lodar receiver

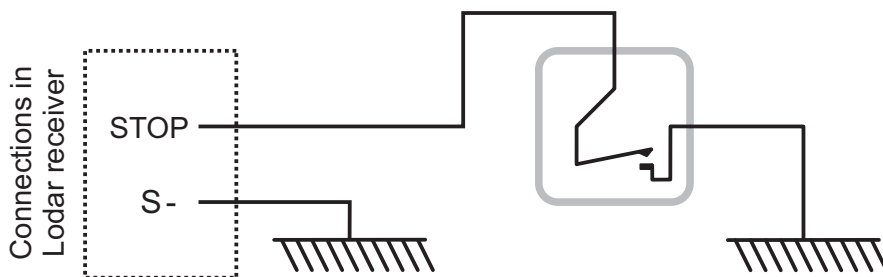
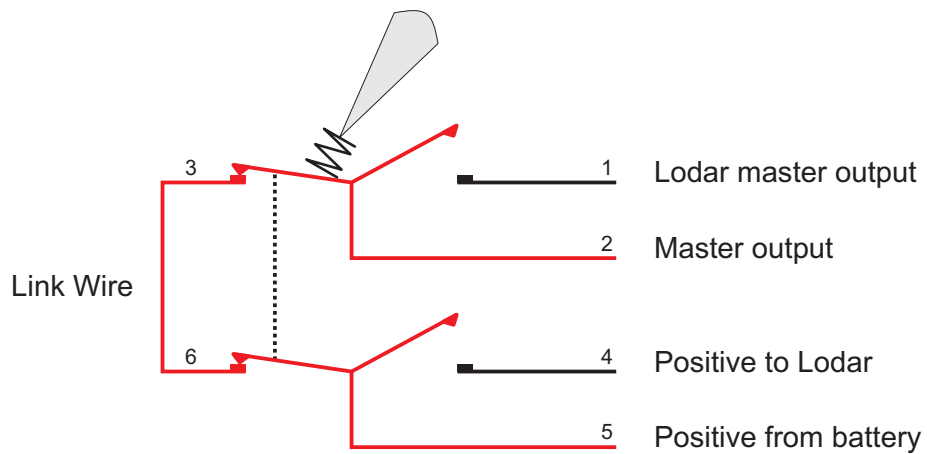
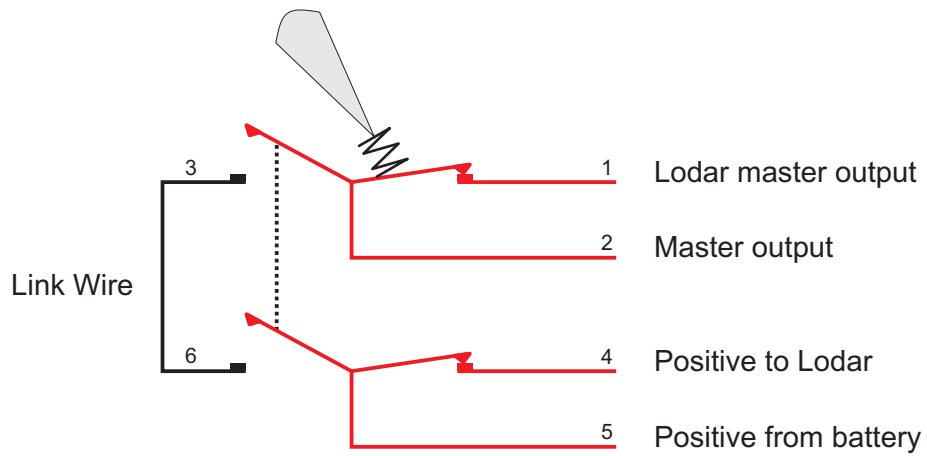


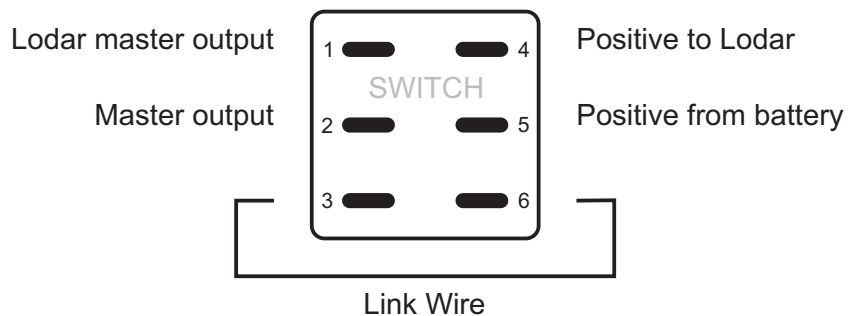
Diagram 2c

Typical uses, over temperature etc., in fact any input whereby the equipment manufacturer decides that continued use will endanger the operator, or damage the equipment. Making the circuit will force a "STOP".

Double pole changeover switch used for the continuous master when using a none Lodar wired remote control.

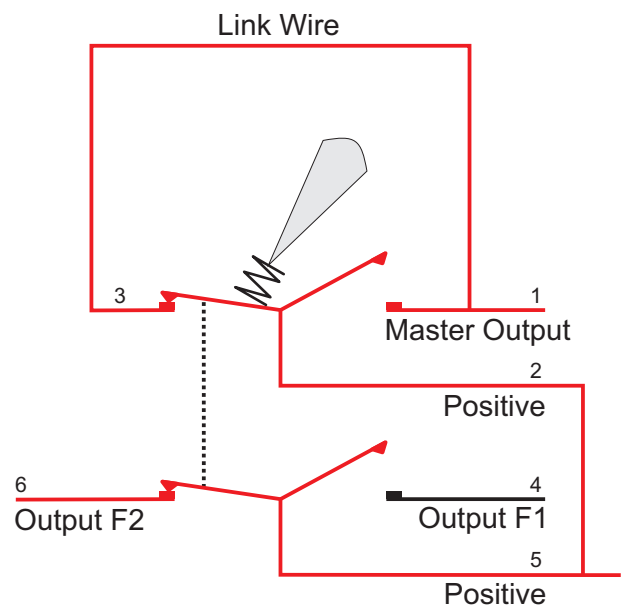
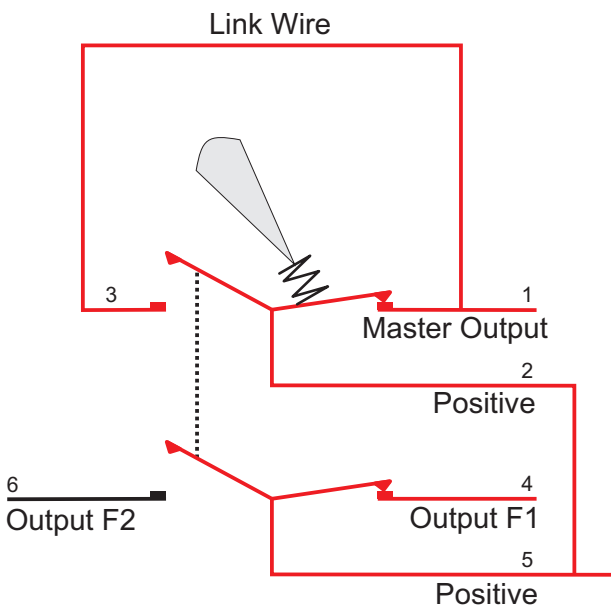
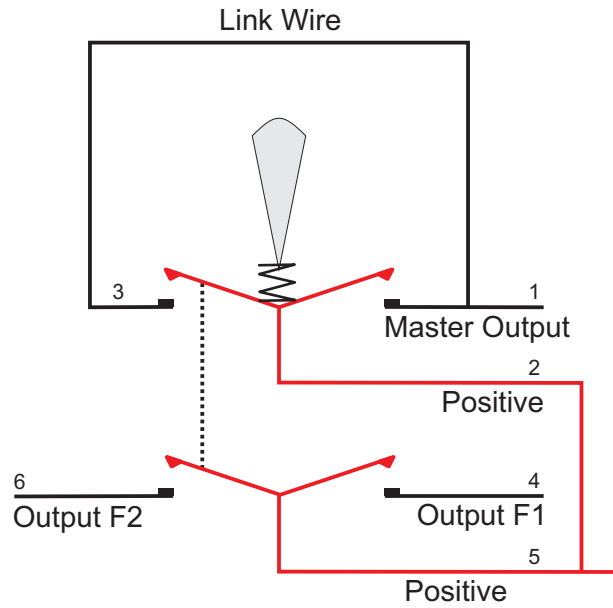


View of base of switch to identify the connections

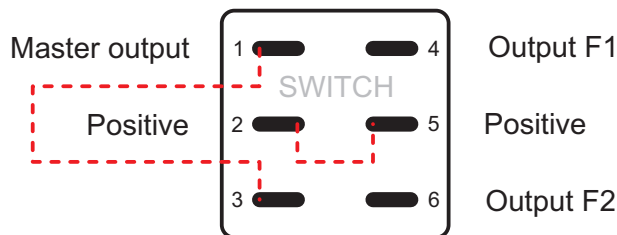


Double Pole Changeover Switch
ON - ON

Double pole MOM - OFF - MOM switch used for parallel master and F1, F2 when using a none Lodar wired remote control.



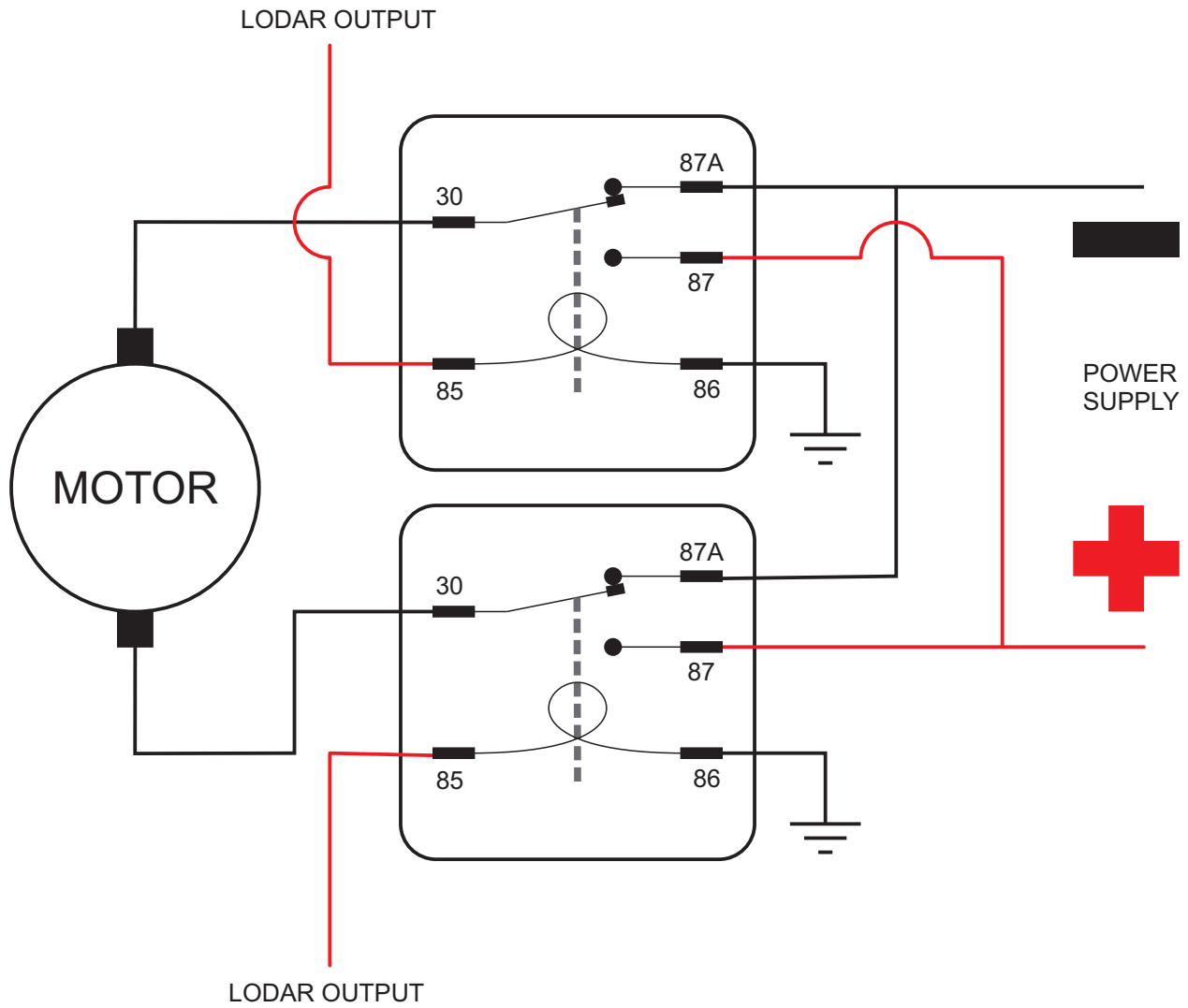
View of base of switch to identify the connections



Double Pole Changeover Switch
ON - ON

Diagram 4

Wiring 2 automotive changeover relays to change polarity when driving a motor



Lodar relays available are:-

Part No. 9826 - Relay, changeover 12Volt

Part No. 9827 - Relay, changeover 24Volt

Diagram 5

Circuit Make or Break Relays

SPDT (Single Pole Double Through) Relay. shown below

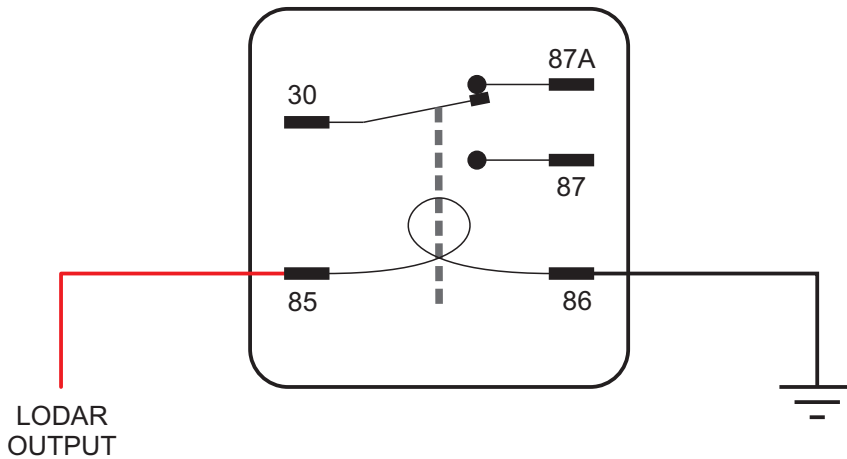
30 = Common

87 = NO (Normally Open)

87A = NC (Normally Closed)

85 and 86 are for the energising coil.

This Relay can be used to “make” or “break” a circuit.



Lodar SPDT relays available are:-

Part No. 9826 - Relay 12Volt

Part No. 9827 - Relay 24Volt

Diagram 6

SPST (Single Pole Single Through) Relay. shown below

30 = Common

87 = NO (Normally Open)

85 and 86 are for the energising coil.

This relay can be used to “make” a circuit

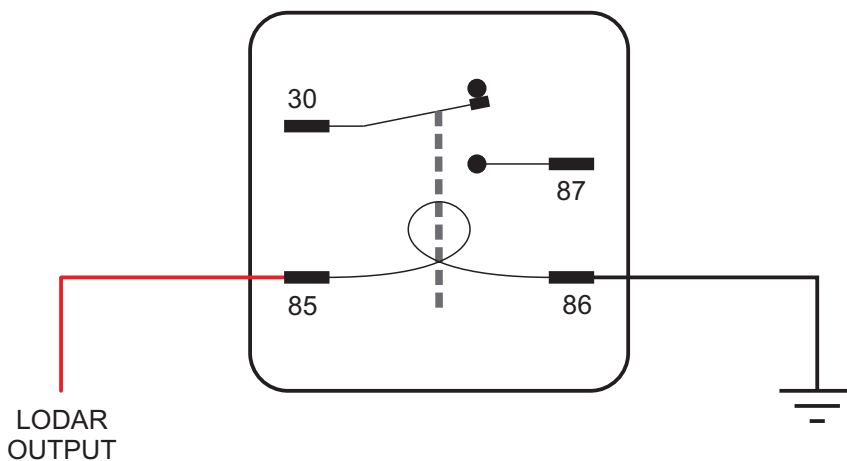


Diagram 7

If a relay is required to be a **Parallel Master** then it **must** be driven by the Master output.

If the relay is required as a **Continuous Master** it can be driven by the Master output or the “S+ S-” connections, this then frees up the Master output, allowing it to be used for another function either Parallel or Continuous.