

The Zig RM14 Series Relay

Instructions for Fitting and Usage

An RM14 relay may be used for split charging or for control of the caravan refrigerator. This will allow current to be drawn only when the vehicle engine is running thus avoiding unnecessary current drain from the engine battery.

The relay is designed for use between 10 and 16 volts and has a continuous current rating of 30 amps. It can be fitted to negative or positive earth vehicles. (Should the vehicle be positive earth phase reverse all polarities state in these instructions). Cable of at least 2.5mm² (50/0.25) cross sectional area must be used.

SPLIT CHARGING:

For split charging the relay should be fitted with a 25 amp in-line fuse as close to the main battery as possible.

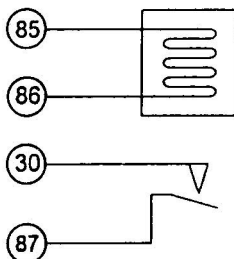
Connect the relay as follows:

To Earth (Chassis)

To Ignition (or indicator pin
on alternator)

To Main Battery +

To Aux Battery +
(or Fridge)



If the auxiliary battery is fitted into the car boot or a motorhome then terminal 87 on the relay can be connected directly to its positive terminal (via a 25 amp fuse). The negative battery terminal should be connected to earth either via a 2.5mm² cable back to the main battery, or through a earth strap to the chassis.

If the auxiliary battery is fitted in a caravan then terminal 87 from the relay should be connected to pin 2 in the 12S socket at the rear of the vehicle (again, via a 25 amp fuse), the negative connection for this configuration will already be fitted via pin 3 in the 12S socket. The caravan's wiring should be checked to ensure that pin 2 in the 12S plug is connected to the auxiliary battery positive terminal.

CONTROLLING THE REFRIGERATOR

The relay should be connected in the same way as above but terminal 87 should be connected to pin 6 in the 12S socket at the rear of the vehicle. The caravan wiring will have to be checked to ensure that the refrigerator positive 12 volt terminal is wired to pin 6 in the 12S plug. The negative should already be connected via pin 3.