

The Zig RM14 Series Relay

Instructions for Fitting and Usage

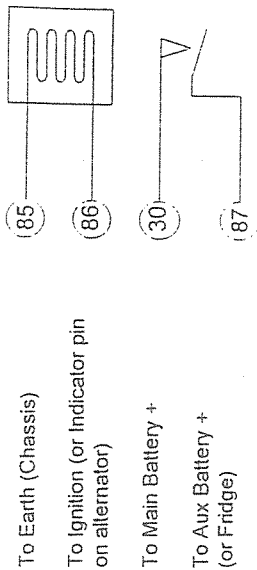
An RM14 relay may be used for split charging or for control of the caravan refrigerator. This will allow current to be drawn only when the vehicle engine is running thus avoiding unnecessary current drain from the engine battery.

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 please reverse all polarities stated 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:



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.

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THE ZIG RM12/14 SERIES RELAYS

Instructions for fitting:

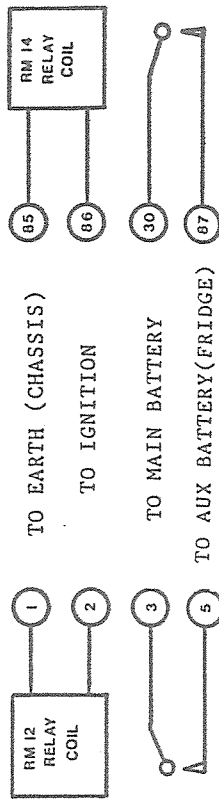
Both relays may be used for split charging or for control of the caravan refrigerator allowing current to be drawn only when the vehicle engine is running thus avoiding a flat battery.

Both relays are designed for use between 10 and 16 volts and their continuous current ratings are 25 amps for the RM12 and 70 amps for the RM14. They can be fitted to positive or negative earth vehicles but should the vehicle be positive earth the battery polarity stated in the following instructions must be reversed, cable of at least 2mm² (28/03) should be used.

SPLIT CHARGING:

For split charging the relay must be located in the vehicle close to the main battery. A 25 amp line fuse should be fitted as near to the battery positive terminal as possible.

Connect the relay as follows:



If the auxiliary battery is situated in the boot or in a motorcaravan run a cable between terminal 5 (RM12), 87 (RM14) and the battery positive terminal via a 25 amp line fuse which again should be as near as possible to this point.

If the auxiliary battery is situated in the caravan then terminal 5 (RM12), 87 (RM14) is connected to terminal 2 on the 12S socket at the rear of the vehicle. Terminal 2 on the 12S plug is then connected to the caravan battery positive via a 25 amp line fuse mounted as near as possible to this point. The negative connection for this battery already exists through terminal 3 of the 12S cable.

Controlling refrigerator supply:

In this case the relays are connected in the same way as for split charging except that terminal 5 (RM12), 87 (RM14) is connected to terminal 6 on the 12S socket at the rear of the vehicle and terminal 6 on the 12S plug is connected to the positive cable on the refrigerator.

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