

This simple device allows the charging of two separate battery banks from a single charging source such as vehicle alternator with no risk of flattening your battery bank.

By sensing the main battery voltage, the VSR (voltage sensitive relay) will only connect the secondary bank to the source when the first bank is fully charged. This ensures that secondary bank can never drain the main bank.

Dual sense allows the unit to sense the voltage of both batteries that it is connected between. If either battery is receiving a charge the VSR will activate. This allows the charging of the second battery from an external battery charger or second charging source.

The VSR can handle charging currents up to 140A with zero voltage drop, no moving parts and encapsulated design makes it suitable for marine applications as well as split charging systems in vehicles.

Direct alternative to the Durite 140A VSR

Complete with E Mark approval.

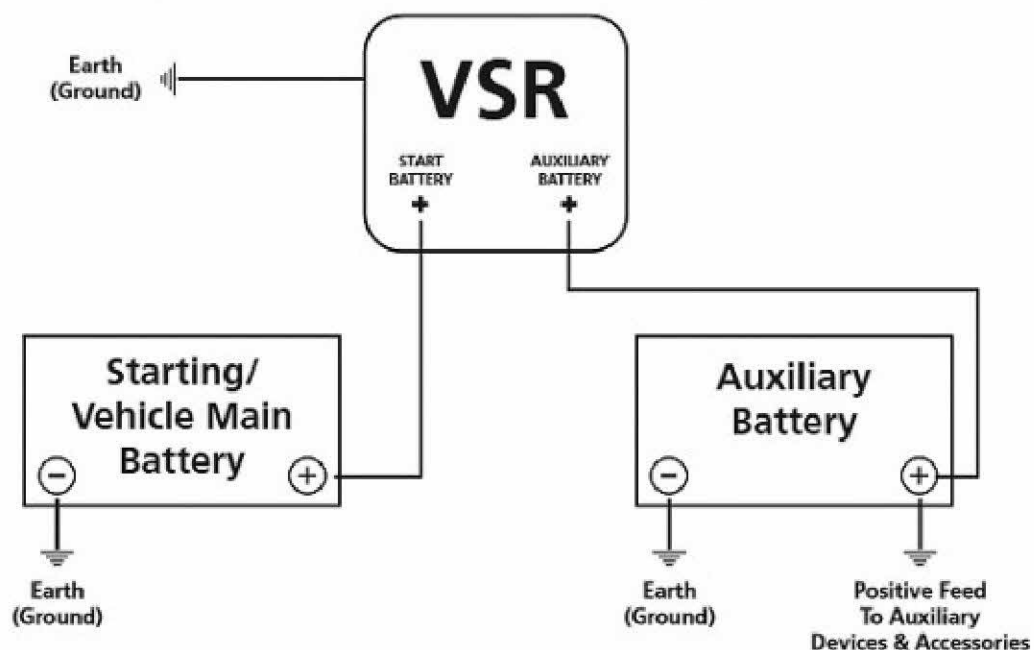
Fitting Instructions:

The main and auxiliary batteries should be connected to the appropriate terminals marked 'Start Bat' and 'Second Bat'.

The small black wire should be fitted to earth.

IMPORTANT NOTE:

This relay is suitable **ONLY** for vehicles with traditional alternator charging systems. It is **NOT** compatible with vehicles utilising 'smart-charge' ECU controlled alternators.



Continuous Rating : 12VDC/140 amps
Sense: Dual
Engage Voltage: 13.7VDC
Disengage Voltage: 12.8VDC
Ignition Protected: UL1107
Stud: M6
Ground : Negative, 0.5M/18 AWG wire
Weight: 0.2Kg
Dimensions: 68mm x 68mm x 49mm
Mounting Screws: 4.8 x 50mm and 3.5 x 13mm

Not suitable for vehicles fitted with smart alternators