

The Zig VM4 Volt Meter
Instructions for Fitting

1. Prepare cut-out in panel/wall where the VM4 is to be mounted. This should be 45 H x 67 W mm. A clear depth of 50 mm behind the mounting face is required.
2. Disconnect the positive connection to the leisure (auxiliary) battery, either by removing the positive terminal or the battery fuse.
3. Ensure that the battery charger is switched OFF.
4. Connect the RED wire to the positive connection of the battery either by splicing into the positive cable between the fuse and control panel or charger, or directly into a connection on the control panel that is connected to the leisure battery. Use a suitable "crimp" splice or screw block terminal and insulate this connection to ensure that no metal parts are exposed which could touch any metalwork or electrical device and cause a short.
5. Connect the WHITE wire to a suitable negative connection on the 12 volt circuit. Only connect it to the vehicle earth (chassis) if the negative of the battery is connected to the vehicle earth. On newer vehicles (caravans in particular), it is possible that the 12 volt negative is separate from the 230 volt mains earth, which is connected to the vehicle chassis. Use a similar connection device as before. If in doubt run a separate earth from the 12 volt battery earth terminal to the WHITE cable.
6. Fix the front plate of the VM4 to the panel / wall using suitable screws.
7. Reconnect the battery or refit the fuse.
8. The needle on the meter should indicate the actual voltage of the battery.
9. If several appliances are switched ON simultaneously, it is likely that the needle will show a lower level than the true voltage of the battery. This is normal and the reading will revert to the correct level when these appliances are switched off.
10. When the needle points to the RED section of the scale, the battery needs recharging. It should not be allowed to decrease further as this could reduce the overall life of the battery.