



CPX 7 Battery Monitor/ Control Panel

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The Zig CPX7 Battery Monitor is designed to read the terminal voltage of a 12 volt six cell lead acid battery. It can be wired to read the voltage of both a vehicle and caravan battery or as a control panel.

Tools required :

Keyhole saw.
Screw driver.
Hand drill and suitable drill bit.

Working Materials required :

Reel of 1.00 mm² 10 amp wire.
Reel of 2.50 mm² 25 amp wire. Spade connectors. Suitable wire splice.
2 No.6 Screws x 12mm.
Zig 5 amp or 25 amp blade fuse and holder.

Fitting Instructions:

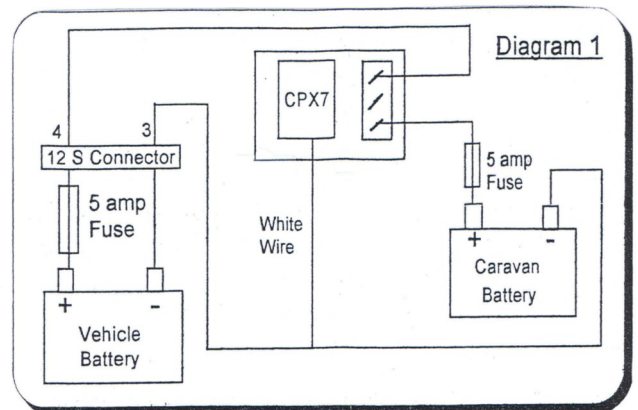
Position the meter in the desired position, there must be a minimum of 1.5 inches clearance behind the meter. Draw a rectangle approximately 1.75 inch (35mm) x 2.75 inches (70mm), using the drill, drill a hole in each corner of the rectangle then carefully using the key-hole saw cut along the pencil lines from each corner. Carefully remove the waste piece of wood.

Using the Meter as a Voltmeter See Diagram 1.

Use 1.00 mm wire for this application

1. Locate the wire from connection 3 on the 12 s plug.
2. Take a suitable length of wire and splice one end of the wire onto the wire from terminal 3 and the other to the spade connector on the end of the white wire on the volt meter.
3. Locate the wire from connection 4 on the 12 s plug.
4. Take a suitable length of wire and splice one end to the wire from connection 4 of the 12 s plug and the other to the top connector on the three way switch on the back of the battery meter.
5. To connect the meter to the leisure battery, connect the positive terminal of the battery to the bottom connection of three way switch of the meter using a 5 amp fuse. Connect the negative side of the battery to the white wire on the battery meter

Note: If installing into a motor caravan then the meter can be connected straight into the vehicle battery, omitting the 12S connector.



Using the meter as a Control Panel see Diagram 2.

Important : Use 2.5mm wire when using as a Control Panel.

Use steps 1 to 5 in the previous section. Using a 25 Amp Fuse in place of the 5 Amp Fuse.

All accessories must be connected to the centre terminal on the switch using 2.5mm wire. See diagram.

