

DC Voltmeter



Revision 01

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INTRODUCTION

The DC Voltmeter is designed for operation when connected to the 128VDC battery pack for Battery Operated Vehicles - whereby the LED's on the voltmeter will give indication as to the status of the charge of the battery pack.

OPERATION

When the DC Voltmeter is connected to the 128VDC battery pack the charge of the battery pack will be indicated as follows;

- All LED's on – Battery fully charged
- One LED off at a time – Battery power being used
- Five LED's off - Warning lamp will illuminate indicating battery power level low
- One LED on – Relay 2 will switch off (power down)

BEST INSTALLATION PRACTICE

All electrical connections are to be made by a certified and competent electrician.

The connections are as follows;

- Red – Positive
- Black – Negative
- Brown x 2 – Alarm (12VDC outputs when alarm)
- Purple x 2 – Trip (closed when not tripped)

SAFETY INFORMATION

To avoid electric shock – do not attempt to alter or modify the DC Voltmeter. Follow all electrical safety precautions when working on electrical systems and devices.

TECHNICAL SPECIFICATIONS

- Input Voltage – 80VDC – 160VDC
- Measuring Range – 125VDC – 139VDC
- Relay Contacts – 5A 250V (trip)
- Display 12 x LED's – 2 Red, 1 Orange, 2 Yellow, 7 Green
- System OK – Flashing Blue LED

MAINTENANCE PROCEDURES

Electrical voltage checks, connections and testing of the DC Voltmeter must only be carried out by a certified competent person.

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