

## V55 Digital Voltmeter with Alarms

### Specifications:

Operating Voltage: 9.5 - 33.0 VDC Higher voltage versions available by special order

Current Drain: 0.018 amps nominal

Display: 4 digits LCD, 5 levels of backlighting

Data: Digital volts, high and low voltage alarm display

Data Output: NMEA 0183 serial 4800 BAUD

Alarms: Built-in 85 dB audible alarm.  
Settable independent high and low voltage alarms

Size: 61mm x 104mm

Mounting: 55mm round hole



### Description:

The V55 Digital Volts meter provides accurate digital instrumentation for DC voltage between 9.5 and 33 Volts. You can set independent Low and High voltage alarms.

When activated, the V55 built-in 85 dB alarm will sound and the display will flash. Five levels of backlighting can be selected and all set-up, calibration constants and alarm values are saved to non-volatile memory.

All constants and calibrations are pre-set during manufacture but you may alter these settings to suit your particular needs. Calibrations can be altered using the front-panel switches for battery voltage and low and high voltage alarms.

With a press of the button you can display battery voltage (9.5 to 33.0 VDC), high or low voltage alarm values.

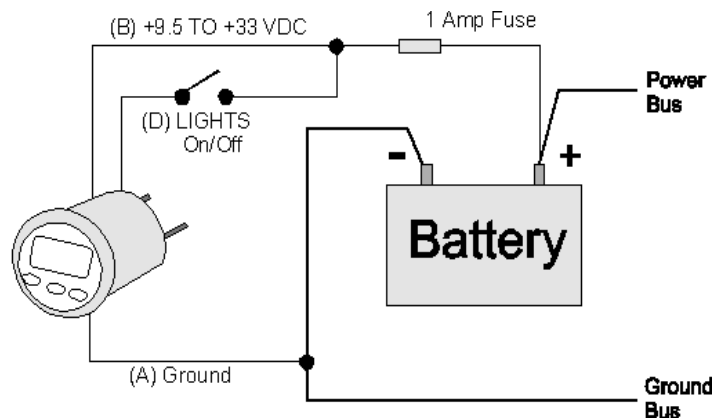
High volts and Low volts alarms can be independently set using the front panel switches and the alarm can be turned ON/OFF with the press of a single key.

The V55 draws only 0.017 amps and can be left on continuously. 5 levels of backlight (including OFF) can be selected from the front panel and is saved to non-volatile memory.

The V55 outputs digital voltage data in the standard NMEA 0183 serial data line at 4800 BAUD.

This ASCII information can be used to log performance or repeat the display information at a remote location on the matching RP60 and/or RP110 data repeaters. If NMEA 0183 serial data is not required, then the output terminal can be programmed as an external alarm output pin.

### V55 Connection Diagram



### Connecting the ER-1 External Relay module to the NMEA 0183/External Alarm Output

