



**12/24 volt
Dual Voltage Meter
part 0-852-00**

WARNING!

This unit is only suitable for 12/24 volt electrical systems. The unit must be connected in the order described below. Failure to do this may result in damage to the unit.

Operation

The 12/24 volt dual battery voltage monitor, can be set for high and low voltage warning levels on 2 battery circuits, warning is indicated by highlighting the voltage on the display and an integral buzzer can also be enabled. The warning is delayed 5 seconds to prevent spurious warnings.

Installation Instructions

1. Decide the location where you intend installing the meter and cut out a hole w 42 x h 49mm. Ensure there is a minimum clear depth of 20mm.
2. Disconnect the negative (-) battery cables from battery 1 and battery 2
3. Connect the 3 wires as following:
Connect the Black wire to the negative (-) terminal of battery 1
Connect the Red wire to the positive (+) terminal of battery 1
Connect the Blue wire to the positive (+) terminal of battery 2
4. Reconnect the negative (-) battery cables to battery 1 and battery 2.
5. Use the screws provided to fix the meter in position.

Initial set up

1. Keep the "MODE" button pressed for 5 seconds to enter into (change to) initial set up mode.
2. Press "SET" to select desired language.
3. Keep "MODE" button pressed for 2 seconds to finish basic set up and return to display mode screen.

Set up mode

Press "SET" button and hold for 2 seconds to enter set up mode. Note: Battery 1 displayed as "Volt 1" and Battery 2 as "Volt 2". Adjust the settings by pressing the up arrow or the down arrow buttons until desired value is reached. Press "SET" button to confirm the settings and move to the next stage.

- **Volt 1 High** Set high warning level of Battery 1 within range 13.0v - 36.0v.
- **Volt 1 Low** Set low warning level of Battery 1 within range 0.0v - 36.0v but less than level in Volt 1 high.
- **Volt 2** Enable/Disable Battery 2 monitoring.
- **Volt 2 High** Set high warning level of Battery 2 within range 13.0v - 36.0v.
- **Volt 2 Low** Set low warning level of Battery 2 within range 0.0v - 36.0v but less than level in Volt 2 high.
- **Brightness** Set brightness level within range from 1-10.
- **Sleep Brightness** Set brightness level when in sleep mode within range OFF - 10.
- **Sleep time** Set the time delay before unit enters sleep mode with a range of 1-10 mins.
- **Buzzer** Enable/Disable warning buzzer.
- **Finish** Set all stages and return to display mode screen.



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- **Volt 2 High** Set high warning level of Battery 2 within range 13.0v - 36.0v.
- **Volt 2 Low** Set low warning level of Battery 2 within range 0.0v - 36.0v but less than level in Volt 2 high.
- **Brightness** Set brightness level within range from 1-10.
- **Sleep Brightness** Set brightness level when in sleep mode within range OFF - 10.
- **Sleep time** Set the time delay before unit enters sleep mode with a range of 1-10 mins.
- **Buzzer** Enable/Disable warning buzzer.
- **Finish** Set all stages and return to display mode screen.

Display mode

Press the “MODE” button repeatedly until the desired display is showing;

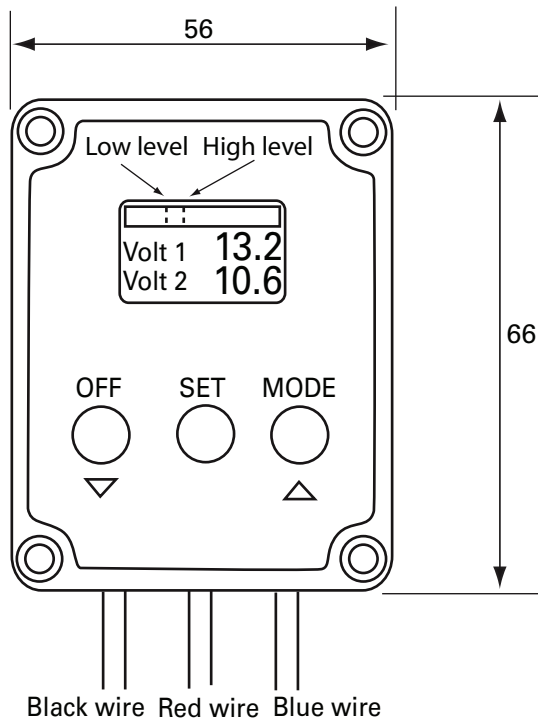
- Display 1 Battery 1 only
- Display 2 Battery 2 only
- Display 3 Battery 1 and Battery 2 (bar indicator shows Battery 1)
- Display 4 Battery 2 and Battery 1 (bar indicator shows Battery 2)

Off mode

To turn the screen off press “OFF” Pressing any button will turn on the monitor.

Warning mode

When high or low voltage is reached the voltage in question will be highlighted. After the specified voltage level has been maintained for 5 seconds, the screen will flash and the buzzer will activate. Press “OFF” to cancel the buzzer, note the buzzer will remain disabled once the voltage recovers. Use the set up mode to reset the buzzer.



Display mode

Press the “MODE” button repeatedly until the desired display is showing;

- **Display 1** Battery 1 only
- **Display 2** Battery 2 only
- **Display 3** Battery 1 and Battery 2 (bar indicator shows Battery 1)
- **Display 4** Battery 2 and Battery 1 (bar indicator shows Battery 2)

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