

2.2.5 Remote Voltage Sensing

1. Disconnect the two jumper wires from the remote voltage sense terminals inside the wire terminal area and the DC battery output terminals.

CAUTION

Before connecting the two wires to the battery terminals, make sure that the polarity is correct to avoid equipment damage and prevent personnel injury.

2. Using minimum 18GA, maximum 14GA wire, connect two wires to the remote voltage sensing input terminals using a small flat blade screw driver on the terminal insertion tabs.
3. Watching the polarity, connect the two wires to the battery terminals.

2.2.6 Using the Voltage Monitor

The voltage monitor provides a Form C dry contact relay which can be used to indicate when the battery voltage is either above or below 10% of the voltage setting.

The voltage monitor circuit is independent from the battery charger system and the AC power, and operates from the battery voltage.

The "normally open" contact is closed when the battery voltage is within $\pm 10\%$ of the voltage setting.

The relay is rated for 2 Amp at 60 VDC, or 2 Amps at 120 VAC resistive loads. The mechanical contact life is 5,000,000 operations. Minimum inductive life @ .5 Amp 12vdc is 50,000 times.

The voltage monitor can be used for an alarm by connecting the coil of an indication relay to the normally open relay contact terminals on the battery charger. Wire size should be minimum 18GA, maximum 14GA.