

BUS OVER/UNDER VOLTAGE RELAY



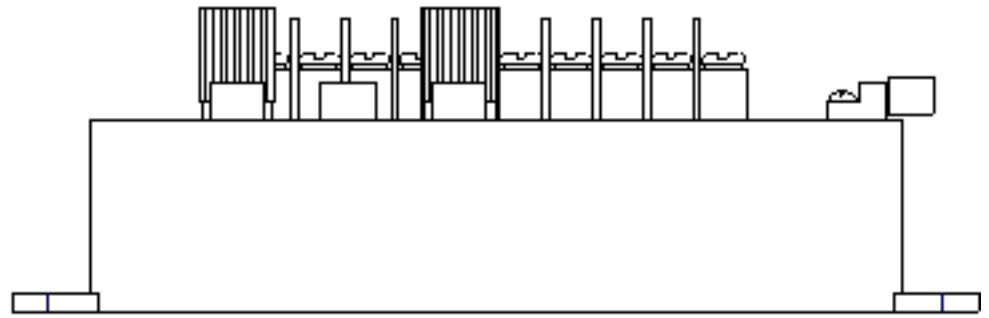
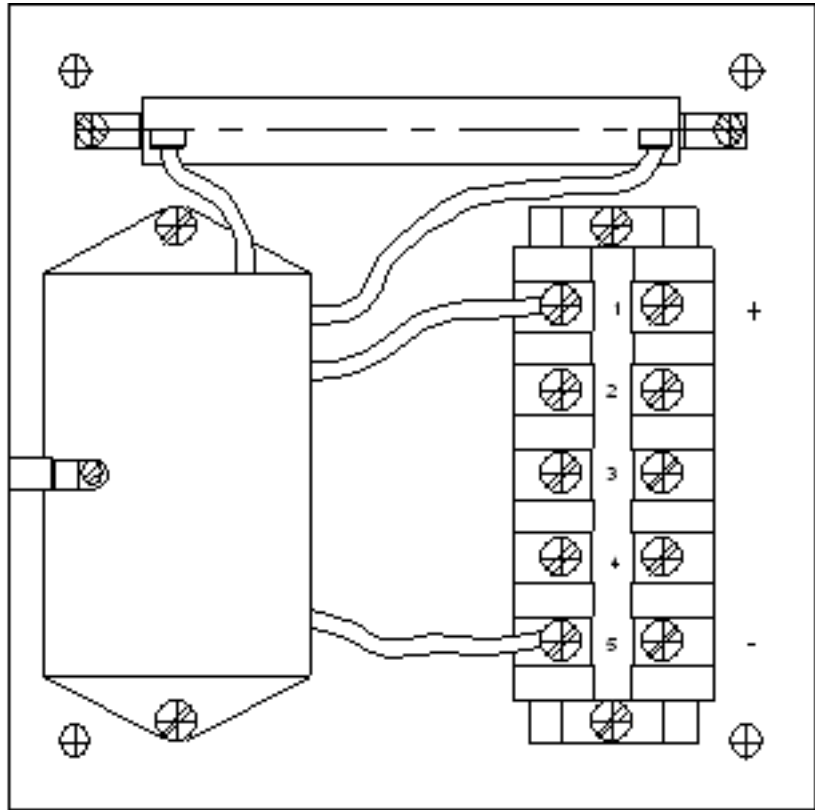
Description

The system consists of a sending unit and an adjustable relay unit. The sending unit connects to the voltage to be monitored; it is self powered; and it communicates to the receiver via a fiber optic cable. The receiver consists of a fiber optic receiver, two set-point potentiometers, and two output relays housed in a molded enclosure. The attached drawing shows the connections, configurations, and specifications.

Testing

Supply control voltage to the relay unit, connect a test voltage source to the sending unit, and install the interconnecting optical fiber. Observe the output contacts. Undervoltage contacts should transfer when the low voltage setting is exceeded, and the overvoltage contacts should transfer when high voltage setting is exceeded. Sending unit operation can be qualitatively verified by removing the optical fiber from the relay unit and observing the (red) light transmitted. The fiber should show a very slow blinking at zero voltage which increases to look like a steady light at higher voltage.

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CONTROL MODULE (P/N 0041)

