Specifications

Battery Input
90 to 180 VDC, 3VA - For 125V battery

Ground Resistors
30K ±1% from each bus to ground

Voltage Indication
0 to ±199.9 VDC in 0.6" bright red LED digit and decimal point accuracy is ±0.2 VDC

Ranges
- +Bus to Ground (+GND)
- -Bus to Ground (- to GND)
- Ground Fault Voltage (Fault)
- Battery Voltage (BAT)

Scanning
Each range is automatically scanned and read every three seconds.

Alarms
- The “+/- Fault” relay energizes and latches when the + fault voltage exceeds the +/- set value for the time setting. The “alarm” LED lights. Set range is 13.0 to 100.0V
- “Hi Battery” and “Low Battery” relays energize and latch when the battery voltage exceeds the “Hi” or “Low” set value for the time setting. (“Hi” set range is 125.0 to 150.0V, and the “Low” set range is 100.0 to 125.0V)

Time Delay
Can be set from 5 to 60 seconds
Reset
Panel push button or remote contact closure will reset an alarm provided the cause is removed

Contact Rating
2A at 120 VAC or 28 VDC

Fault Indicator Specifications
- Operation - Hand-activated on-off button/switch
- Features - Automatic selection of grounded line. Does not interfere with sensitive electronic equipment, radio, etc.
- Receiver - Does not contact circuitry; LED and sound indicators
- Sensitivity - Up to 100Ω resistance

Switchboard Meters
DC Battery Voltage Meters

SBS’s Battery Monitor is a breakthrough in ground fault detection. This full Battery Voltage/Ground Meter/Alarm Relay automatically indicates the instant a ground occurs. The optional hand-held ground fault locator finds the exact location of that ground, no matter where it is in the line.

This highly accurate DC voltage meter relay provides voltage readings of battery, + or -BUS to ground, and ground fault voltages for protection of the essential BUS. The ground fault relays indicate the ground anywhere in the system, whether on the “ + ” or the “ - ” side. Over/Under Voltage relays are provided. Fail safe operation of the under voltage relay operates correctly down to zero volts. Time delay, which can be set from 5 to 60 seconds, is provided to avoid nuisance alarms.

Features:
- On/off switch on front panel
- Automatic selection of grounded line
- Does not interfere with sensitive electronic equipment, radio, etc.

Optional Hand Held Receiver:
Part No. 200A
- Does not contact circuitry
- LED and sound indicators

Ordering Information

Part No. Description
25-469 125Vdc battery voltage meter
25-471 48Vdc battery voltage meter
25-472 250Vdc battery voltage meter
200A Handheld receiver, suffix ‘-BB’ is required

Accessory Ordering Information

Suffix Description
-J3.0 Digital Rs232/485 with DNP3.0 or Modbus
-1420 4 to 20 mA DC, 1% accuracy
-101 0 to 1 mA DC, 0.1 accuracy

Portable Battery Monitor / Ground Fault Locator
Voltage/Ground Meter/Alarm Relays

Optional Fault Indicator (-BB) Information

Operation:
Produces current pulses between the transmitter and the ground fault. A pulse receiver can trace the line with these pulses to the ground. Circuit breaker in the line can be identified and open to clean the ground from the system.