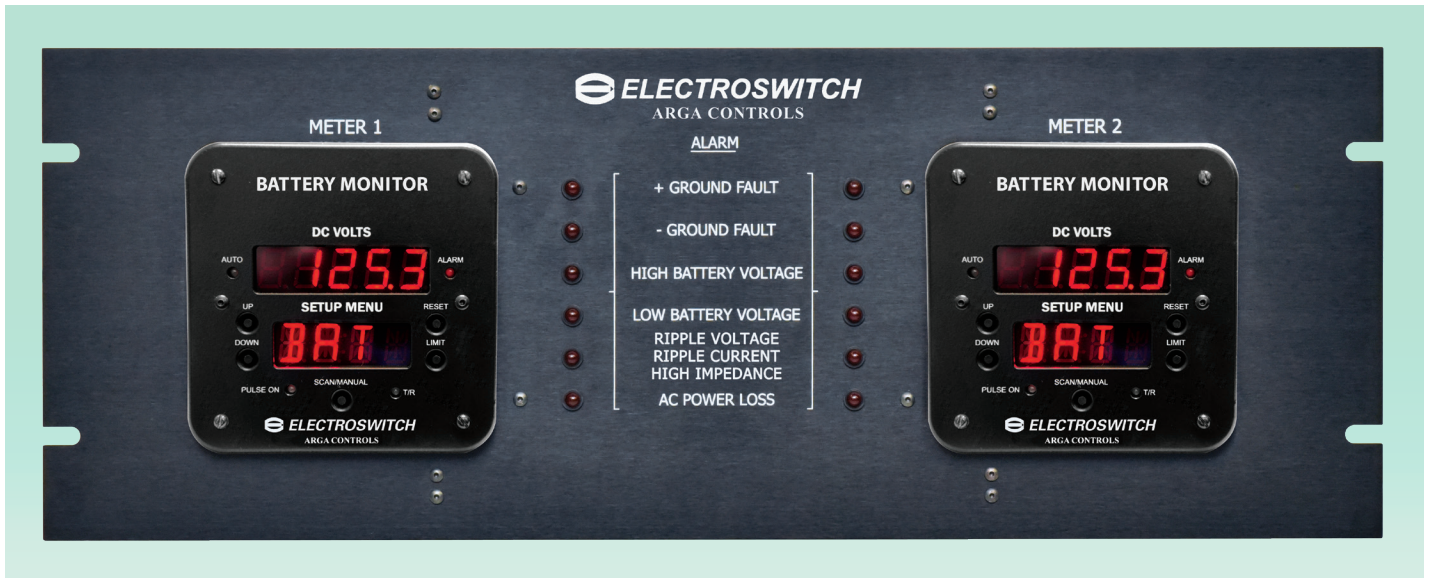




Take Charge of Your Battery System with Open Circuit/Open Strap Detection



Battery Voltage Monitoring and Ground Fault Detection

- Adjustable alarm threshold setpoints
- High/Low battery voltage alarms
- +/- Ground fault detection/alarm
- AC charger power loss alarm
- High accuracy ± 0.2 VDC
- Optional 19" rack (consult factory)
- Optional Last Gasp Alarm Feature (consult factory) **NEW!**

Corrosion and Open Cell Detection

- Optional predictive corrosion detection alarm
- Open cell/AC charger malfunction alarm

Open Circuit/Open Strap Detection **NEW!**

- Optional Open Circuit/Open Strap detection alarm
- Meets the Requirements of TPL-001-5

Remote Monitoring and Reporting

- Serial DNP 3.0 / Modbus / RS485:
2-wire standard, 4-wire optional
- 4 "Form C" dry contact alarm outputs
- Analog current outputs (standard 4 to 20 mA)

Ground Fault Locator

- Optional handheld ground fault detector



New Advanced Nameplate Interface Features

- New accessible front panel setup menu
- Simplified calibration, setup, and alarm setpoint change functionality
- LED display identifying alarm conditions
- Audible alarm





Specifications

Battery Input: 50–180 VDC, 3VA (for 125 V battery)
100–360 VDC, 5VA (for 250 V battery)
36–72 VDC, 3VA (for 48 V battery)

Ground Resistors: 30.83 K Ω \pm 1% from each bus to ground (for 125 V battery)
60.50 K Ω \pm 1% from each bus to ground (for 250 V battery)
15 K Ω \pm 1% from each bus to ground (for 48 V battery)

Voltage Indication: 0 to \pm 199.9 VDC in 0.6" bright red LED digits and decimal point. Accuracy is \pm 0.2 VDC (125 VDC model).

Display Ranges: A. Battery Voltage (BAT) C. – Bus to Ground (– to GND)
B. + Bus to Ground (+ to GND) D. Ground Fault Voltage (Fault)

Scanning: In Manual Mode, select measurement by briefly pushing the Scan/Manual button. In Scan Mode, display cycles through all six measurements, plus time delay and AC charger phase. Change mode by holding the Scan/Manual button.

Limit Setting: Display limit setting by pushing Limit button on front panel when range light is on.

Alarms: Set alarm levels using the configuration menu (see Product User Manual for details). Alarm relays are Form C contacts;
(Not Scanned)
Relay 1: + Ground Fault
Relay 2: – Ground Fault
Relay 3: High Battery Voltage
Relay 4: Low Battery Voltage, Open Battery, Loss of AC to Charger

Alarm Delay: Configurable from 1 to 60 seconds

Reset: Panel pushbutton or remote contact closure will reset an alarm.

Contact Rating: 2 A at 120 VAC or 28 VDC, 25 mA at 150 VDC

Voltages: 24 VDC, 48 VDC, 125 VDC, 250 VDC

Operating Temperature: –4°F to 131°F (–20°C to 55°C)

Compliance: ANSI (IEEE) C37.90.1 [Surge Withstand], IEC 61000-4-3 [EMC]

Corrosion Detection Option: Provides "predictive change monitoring" to initiate a maintenance alarm notification before a service interruption occurs, requires Current Sensor.

Open Circuit/Open Strap Detection Option: Provides critical substation monitoring and alarm notification for potential cascading events, requires Current Sensor.

Standard Outputs: Digital: DNP3.0/Modbus
Analog: 4–20 mA

Standard Part Numbers: 25-1000-125A for 125 VDC installations
25-1000-250A for 250 VDC installations
25-1000-48A for 48 VDC installations

For 19" Rack (Single Meter) 15-1000-125A-1 for 125 VDC installations
15-1000-250A-1 for 250 VDC installations
15-1000-48A-1 for 48 VDC installations

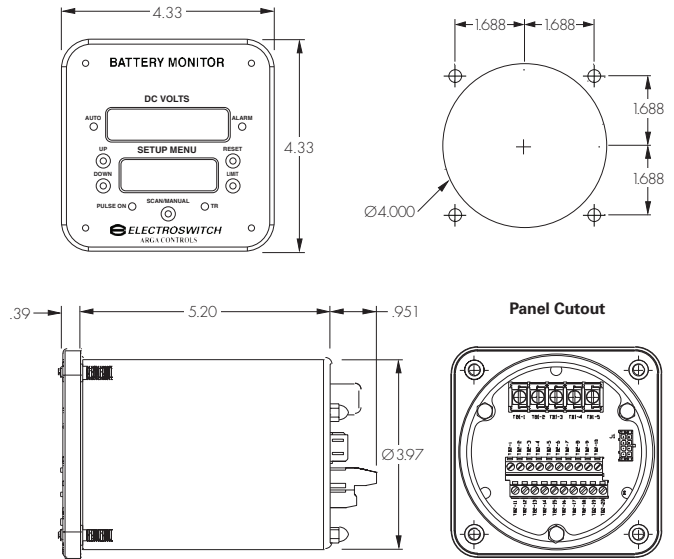
Optional Ground Fault Circuit Locator

Operation: Handheld unit with ON/OFF and volume adjust switch

Indication: LED and audible indicators for detected ground faults



Dimensions



Terminal Post Connections

TB1				
TB1-1	TB1-2	TB1-3	TB1-4	TB1-5
AC LINE	AC NEUT	EXT. GND	BAT –	BAT +

TB2		TB2	
TB2-1	NO	TB2-11	COM
TB2-2	NC	TB2-12	NC
TB2-3	COM	TB2-13	RS485-A
TB2-4	NO	TB2-14	RS485-B
TB2-5	NC	TB2-15	RS485-S
TB2-6	COM	TB2-16	1420 mA OUTPUT
TB2-7	NO	TB2-17	1420 mA RETURN
TB2-8	NC	TB2-18	CURRENT SENSOR +
TB2-9	COM	TB2-19	CURRENT SENSOR –
TB2-10	NO	TB2-20	RESET

LOW BATTERY VOLTS
HIGH IMPEDANCE
AC POWER LOSS

HIGH BATTERY

– GROUND FAULT

+ GROUND FAULT

LOW BATTERY VOLTS
HIGH IMPEDANCE
AC POWER LOSS

SERIAL OUT

Other Arga Products

