

High Resistance Grounding

Ensure continuous data center service,
protect personnel and equipment

PQS™

Power Quality Solutions

Maintain uninterrupted power and safety with our high resistance grounding (HRG) system. By inserting a resistor on the neutral leg of a three-phase power source, during a phase to ground fault, the fault current is regulated and transient over voltage is limited. This protects your power source and equipment, supporting continuous operations.

Provides:

- System protection
- Transient overvoltage reduction
- Ground fault detection warning
- Ground fault locating
- Data logging with two year event history
- Reliable communication and self-testing

System Features:

- Microprocessor-based logic with real time clock
- Home screen simultaneously displays neutral ground current, 3-phase voltage, and neutral voltage
- User-selectable neutral current or line voltage ground fault detection
- Automatic NGR connectivity test
- Multilevel password protection
- Diagnostics features
- On-screen language support for English, Spanish, and French
- Available remote alarm contacts for ground fault, low voltage, NGR fault, and control power

Physical Features:

- Status LEDs on inputs/outputs for visual on/off indication
- Through-door USB port provides safe data log access without opening controller door
- Audible horn with 12-hour, 24-hour, and 48-hour alarm silence
- Large 7" color touch screen
- Surge arrestor
- Lockable door

Contact us today to find out more



"A HRG system has several advantages to implementation in a data center. The application of HRG eliminates the need for complex and expensive zone interlock ground fault breaker schemes."

— Smith and Smith, Fortune Oregon Data Center Increases Reliability with a High Resistance Grounding System



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