Post Glover Resistors

PulserPlus.Net™ LV High Resistance Grounding

High Resistance Grounding (HRG) systems have gained popularity in process applications due to their ability to safely continue operation during a single line-ground fault and limit escalation of such a fault into a multi-phase event.

Consultants and industry experts recommend high resistance grounding be used with transformers and generators whenever system reliability and safety are the prime concern. By limiting ground fault current to less than 10 amps, processes can continue and arc-flash hazards from the phase to ground fault are avoided.

Why You Should Use HRG	
Protect Equipment	Limit ground fault current to less than 10 A, reducing damage and stress to equipment and power system components
Reduce Down Time	Process equipment can continue to operate in the event of a line to ground fault, increasing profitability
Increase Safety	Virtually eliminates flash hazard possibility in the event of a potential arcing fault
Fast Fault Location	Pulsing circuit and optional ammeter allow for easier fault location, saving time and frustrations

Complete Protection

Post Glover's fourth generation PulserPlus.Net™ is the premier digital high resistance pulsing grounding system on the market today. It has been engineered and tested to be easy to install and provide the most comprehensive feature set available. From tapped resistors wired to a terminal block to easy to use software, the most advanced HRG system available is designed for seamless integration into your system protection scheme.

Why You Should Choose Post Glover PulserPlus.Net™	
Data Logging	Up to 200 alarms and events can be logged in memory with a time/date stamp to catalog system issues to assist in determining the cause of faults or trend developing faults.
Reduced Nuisance Alarms	The neutral current and voltage is filtered for 60 Hz to ensure harmonic content is not included in the measurement, eliminating nuisance alarms created by excessive harmonics.
Easily Accessed Alarm Settings	Engineered flexibility allows the user to accurately customize protection for their electrical network including alarm levels, time delays, and enabling or disabling features. Access is controlled by password.
Loss of Ground Protection	Continuous neutral path and resistor monitoring protects users from undetected resistor failures that can compromise safety.
Automated Charging Current Measurement and Adjustable Resistor Taps	Guarantees you can select the proper fault level by measuring the system charging current after installation or upgrades. Tapped resistor allows to you to easily tune your protection on-site without ordering a new system.
Real Time Communications	Real time RS-485/232 and optional Ethernet communications allows integration of the HRG system data into network supervision packages for total system control.

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Post Glover
"The Resistor Specialists"

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PGR Document #HR111-18

To facilitate installation, the PulserPlus.Net™ is available in a full-height, free-standing enclosure, separate components for remote grounding resistor placement and wall-mounted controls, or OEM kit for mounting in MCC's or LV switchgear. Our standard UL-listed designs are available up to 600 volts, with features included to cover a variety of applications and protection schemes. All are manufactured for limiting fault levels up to 10 amps, with the ability to be quickly adjusted in the field via a convenient terminal strip.

All alarm and time delay settings can be accessed and adjusted locally on the display interface module or remotely through the optional Ethernet connection. This includes set-points for under and over-current, under and over-voltage, time delays and pulse rate. The module can also be configured to display system status and parameters, control data logging of events and perform system tests to ensure functionality. System settings can be protected by password and easily transferred to other modules via SD card, making multiple installations simple, quick and identical.

The neutral path is unfused, in compliance with UL 891, NFPA 70 and IEEE C57 to prevent inadvertent ungrounding of your system. Additionally, the user can select to remove the neutral path from the door mounted disconnect switch to allow for the system to remain resistance grounded during maintenance or trouble-shooting.

User Panel and Faceplate

Quick-Quote Form

System Voltage:	❑ 240 V	❑ 480 V	❑ 600 V	❑ Other. Specify:
Current:	2 – 10 amps, continuous			
Frequency:	❑ 60 Hz	❑ 50 Hz		
System connection:	❑ Wye	❑ Delta		
Neutral connection:	❑ Unfused, Disconnected via door switch		❑ Unfused, Permanent neutral connection	
Enclosure:	❑ Indoor, freestanding ❑ Outdoor, freestanding	❑ OEM Kit (Mounted in switchgear)	❑ Wall-mount with separate resistor	
Enclosure finish:	❑ Painted galvanneal steel, ANSI-61 Gray (standard)	❑ Painted, other color Specify color:	❑ Stainless Steel, Type 304 ❑ Stainless Steel, Type 316	
Communications:	❑ RS-485/232 (standard)	❑ Ethernet (optional)		
Accessories:	❑ Clamp-on ammeter for fault locating		❑ Anti-condensation heater (required for NEMA 3R and wall-mounted units)	
Other requirements:				

For more information or a detailed quote, please contact your local Post Glover representative or visit us at www.postglover.com

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Serving the Electrical Industry Since 1892

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