

# High Resistance Grounding Resistors

By Powerohm Resistors

Powerohm Type HRG Digital High Resistance Grounding Systems are an economical means of improving a three-phase ungrounded power system

## Features

- **System Protection:** Offers protection by providing a ground-to-neutral connection for a three-phase power system, while still allowing to operate as an "ungrounded system." When the neutral of a system is not grounded, the system is vulnerable to potentially damaging ground faults
- **Transient Overvoltage Reduction:** A high resistance grounding system reduces the magnitude of high transient overvoltages appearing during normal switching of a circuit having a ground fault. High transient overvoltages may cause failure of equipment or insulation at locations on the system other than at the point of the fault
- **Ground Fault Detection Warning:** Instantly provides a warning when the first ground fault occurs through an alarm signal. An optional audible horn or red warning beacon is available
- **Uninterrupted Service:** A single line-to-ground fault left in operation may result in a second ground fault. If a second fault occurs on another phase before the first is removed,

considerable damage may be caused by the relatively high line-to-line fault current. The potential for quickly locating and removing faults before damage occurs to critical processes minimizes outages, and costly manufacturing shutdowns

- **Improved Personnel Safety:** Reducing transient overvoltages, equipment arcing, fault levels, insulation failures and fault tracing through circuit isolation schemes decreases hazards to personnel.

## Product Assets

[Catalogs - Digital High Resistance Grounding Catalog](#)  
[Installation Manuals - Digital HRG Software Update Instructions](#)  
[Installation Manuals - Digital HRG User's Manual](#)  
[Installation Manuals - POWEROHM\\_dhrg](#)  
[Installation Manuals - Digital HRG Modbus Setup Instructions](#)  
[Installation Manuals - Digital HRG Troubleshooting Guide](#)  
[Sell Sheets - High Resistance Grounding in Data Centers](#)  
[Specifications - High Resistance Grounding Resistors](#)

