Ground Sentinel® Systems

GM8000 Ground Sentinel®



For use without components at machine location.

For Low and Medium Voltage Cables Up to 1000 Volts. Developed to comply with MSHA requirements, the tone monitor interrupts power to the mining machine if the ground wire is broken.





- The system ignores the parallel ground path effect. This being negated by means of the ground wire trap in series with the ground wire at the power center.
- For monitoring ground wires of continuous miners, cutting machines, shuttle cars, roof bolters and other mining equipment.
- Simplified system immune to voltage transients.

- No interaction on multiple installations.
- Simplified installations, no phasing required.
- May be installed and tested with no power on the power cable.
- No components required on mining equipment.



Specifications

Mechanical:

Stainless Steel...... 7.46" H x 2.32"W x 5.62" D

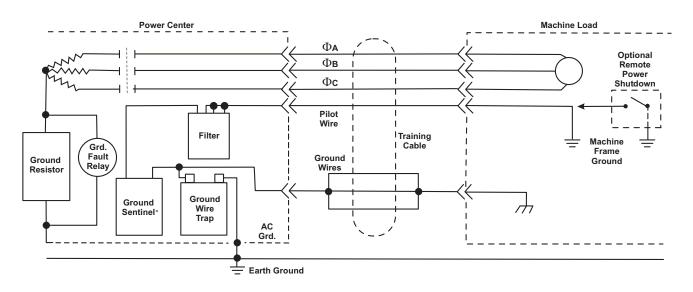
Electrical:

- Power 117 V ac, 50/60 Hz ± 15% (105V to 135V)
- One plug-in PC board contains all electronics, including the relay
- Frequency 4000 Hz

Ordering Information

- Ground Sentinel [®]	GM8001
- Filter, 3 Phase	FI2559
- Ground Wire Trap	GM1004

A Pilot Wire System includes Ground Sentinel®, Ground Wire Trap, and a filter.





 USA
 Toll Free: 1 (800) 492-1212
 Tel: (610) 777-1374
 Fax: (610) 796-5954
 www.gai-tronics.com

 UK
 Tel: +44 (0)1283 500500
 Fax: +44 (0)1283 500400
 www.gai-tronics.co.uk

 Italy
 Tel: +39 02 48601460
 Fax: +39 02 3363110
 www.gai-tronics.com

 Asia
 Tel: +(65) 6282 2242 (Press 4 for GAI-TRONICS)
 www.gai-tronics.com

 Australia
 Tel: 011-61-28-851-5000
 Fax: 011-61-29-899-2490
 www.austdac.com.au



Quality Management System Certified by DNV-GL - ISO 9001:2015. The policy of GAI-TRONICS is one of continuous improvement; therefore the company reserves the right to change specifications without notice.

in

O