MEG alert™

Safety By Choice
Reliability By Design

Motor & Generator Protection

GP500/1000-G-DC



GEN guard™

- AC Synchronous Generators
- DC Generators
- Standby Generators
- Hydro Generators

ARC SAFE TECHNOLOGY

Reduce Risk to Save Lives







10 year WARRANTY
Best In Class

Automatic Insulation Resistance Tester that monitors and protects critical-duty generators

Meg-Alert, Inc. PROUDLY MADE IN THE USA Minocqua, WI

GP500/1000-G-DC

Features: Model GP500/1000-G-DC

- DC Input model (Single Generator) (AC/DC)
- Auto/Manual test operation
- Adjustable alarm and pre-alarm set points
- Pre-alarm contacts with auto reset
- Latching Low-alarm contacts with manual reset
- Fused input and test lead output
- 500/1000 VDC test voltage
- Calibration and system test switch
- Long-life, remote LED/switch assembly
- Ground Interrupter safety interface
- 1% Meg ohm meter with 4" color coded dial
- 10 Year Warranty

Optional Features

- 2% panel meter with color coded dial
- Digital meter with 4-20 mA output signal
- 4-20 mA transducer

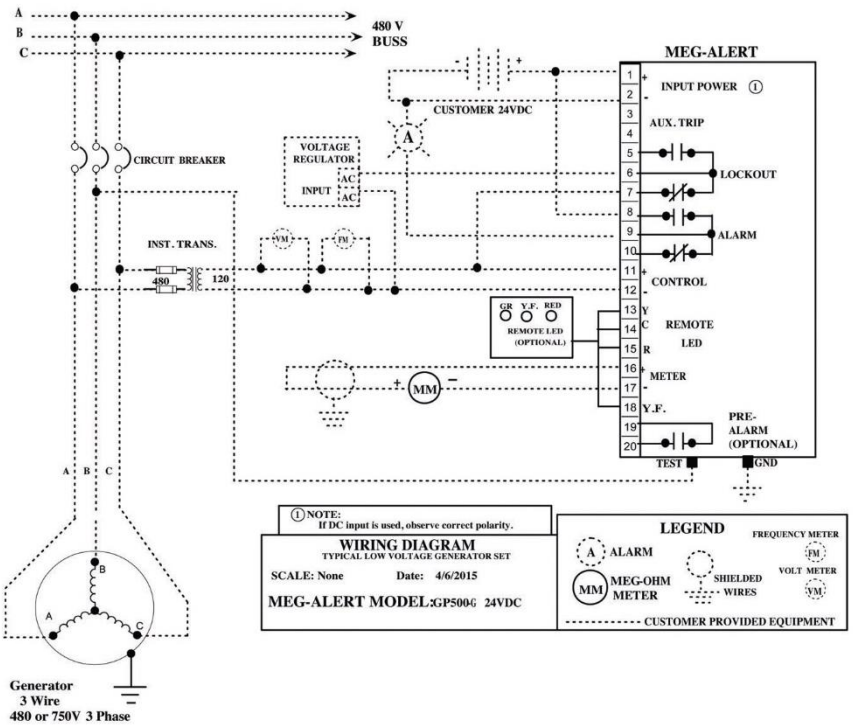
SPECIFICATIONS: Model GP500/1000-G-DC

Input Voltage: 24 VDC
Input Current: .68 A max. @ 24 VDC
Test Voltage: 500/1000 VDC @ 200 µA max.
Maximum Line Voltage: 1000 V RMS
Control Sensing: 120 VAC, 50/60 Hz or 24 VDC
Alarm Time Delay: 0 - 10 Seconds
Alarm/Lockout Contacts: 2 Form C, 5A @ 240 VAC or 28 VDC
Pre-Alarm Contact: 1 Form C, 5A @ 240 VAC or 28 VDC
LED Display: Test On: Green
Pre-Alarm: Yellow Flashing (optional)
Alarm: Red Flashing
Meter Output: 1% Analog Signal (0-200 uA DC)
Accuracy: 1% Overall
Ambient Temperature: -20° F to 140° F
Size: 4" H x 12" W x 8" D
Weight: 4.8 lbs.
Assembly: Meets UL 508/61010 specifications

Operation:

GenGuard applies a current limited, fixed DC voltage to the generator's windings during idle periods. On four wire neutral grounded systems the ground interrupter automatically opens the neutral ground while the GenGuard is testing the windings. The ground interrupter safety circuit will not allow the generator to operate unless the neutral ground is closed. A solid state comparator circuit monitors measured leakage current to ground. Two adjustable set points, factory preset to customer specifications, can be programmed to signal a pre-alarm, alarm and lockout the equipment from operating if the low set point is exceeded. The manual reset feature enables a return to operational status only after the alarm condition has been corrected. GenGuard will not impair normal operation of the equipment being monitored.

GP500-G-DC



Typical Wiring Diagram

In addition to a wide variety of standard in-stock systems, our engineers will work with you on custom applications. Call the factory for details.

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U.S. Patents
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