MEG alert™

Safety By Choice
Reliability By Design

Motor & Generator Protection

GP500-M-AS



MOTOR guard™

- AC Induction Motors
- AC Synchronous Motors
- DC Motors
- Servo Motors
- Submersible Motors

ARC SAFE TECHNOLOGY

Reduce Risk to Save Lives







10 year WARRANTY Best In Class

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

Meg-Alert, Inc. Proudly Made in the USA Minocqua, WI

GP500-M-AS

Features: Model GP500-M-AS

- Single Motor Model
- Auto/Manual test operation
- Adjustable alarm set point
- Latching alarm contacts with manual reset
- Fused input and test output
- 500 VDC test voltage
- 2% Panel meter with color coded dial
- Long-life, remote LED assembly
- Compact, lightweight enclosure
- DIN Rail mounting bracket
- 10 Year Warranty

Optional Features:

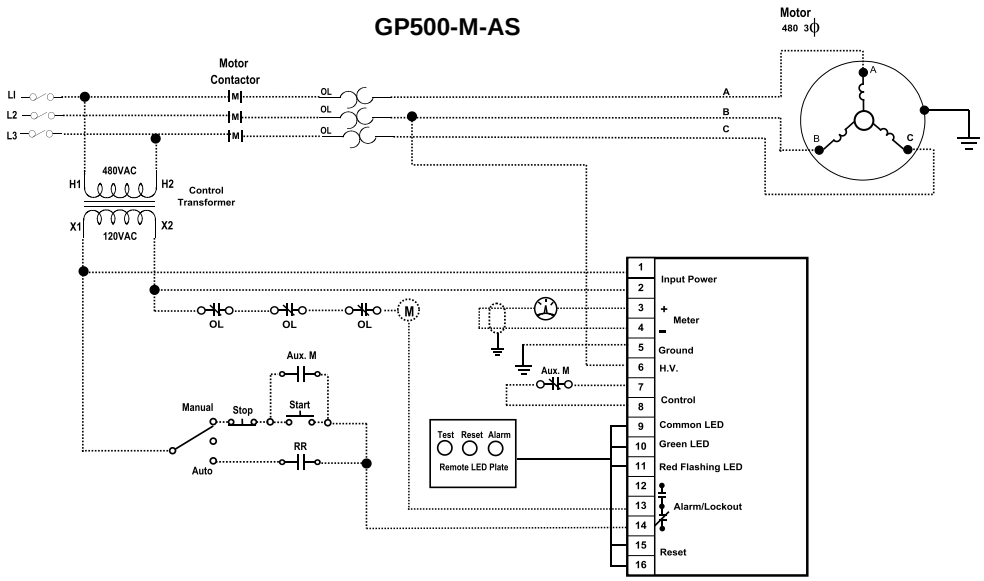
- 1% Meg-Ohm meter with 4” color coded dial
- 4-20 mA transducer

SPECIFICATIONS: Model GP500-M-AS

Input Voltage: 120 VAC, (optional 240 VAC), 50/60 Hz
Input Current: .05 A max. @ 120 VAC
Test Voltage: 500 VDC @ 200 µA max.
Maximum Line Voltage: 600 V RMS
Control Sensing: N/C Contact
Alarm Time Delay: 0 - 10 Seconds
Alarm/Lockout Contacts: 1 Form C, 5A @ 240 VAC or 28 VDC
LED Display: Test On: Green
Alarm: Red Flashing
Meter Output: 2% Analog signal (Optional 1% meter)
Accuracy: 2% Overall
Ambient Temperature: -20° F to 140° F
Size: 2.87" H x 2.95" W x 4.50" D
Weight: 1 lbs.
Assembly: Meets UL 508/61010 specifications

Operation:

MotorGuard applies a current limited, fixed DC voltage to the motor windings during idle periods. A solid state comparator circuit monitors measured leakage current to the 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. MotorGuard will not impair normal operation of the equipment being monitored.



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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Meg-Alert, Inc. 715-356-1499	Legend: Analog Meg-ohm Meter; Motor Starter; Remote Alarm; RR- Remote Start Relay; Shielded Wires; Customer Provided Wiring	Drawn By: KM Delamater Checked: R. Zelm	*GP500-M-AS* Typical Wiring Diagram	Date: 09/18/2019 Scale: None

01-22-2021