



## MOTOR guard™

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



**Reduce Risk  
to Save Lives**



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

### FEATURES: Model GP500-AS

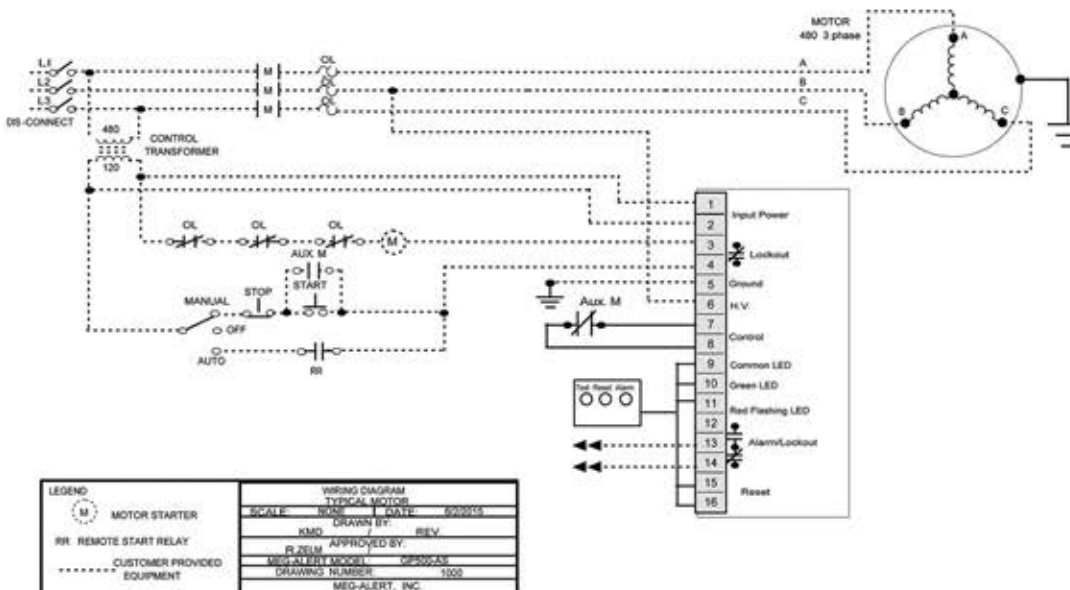
- Single Motor Go/No Go model
- Auto/Manual test operation
- Adjustable alarm set point
- Latching alarm contacts with manual reset
- Fused input and test output
- 500 VDC test voltage
- Long-life, remote LED/switch assembly
- Compact, lightweight enclosure
- DIN rail mounting bracket
- 10 Year Warranty

### SPECIFICATIONS: Model GP500-AS

- Input Voltage: 120/240 VAC, 50/60 HZ
- Input Current: .05 A max. @ 120 VAC
- Test Voltage: 500 VDC @ 200  $\mu$ A
- Maximum Line Voltage: 600 V RMS
- Control Sensing: N/C Contact
- Alarm Time Delay: 0 - 10 seconds
- Alarm Contact: 1 Form C, 2.5A @ 240 VAC or 28 VDC
- Lockout Contact: 1 N/C, 5A @ 240 VAC or 28 VDC
- LED Display: Test On: Green  
Alarm: Red Flashing
- Accuracy: 2% Overall
- Ambient Temperature: -20° F to 140° F
- Size: 2.75" H x 2.875" W x 4.5" D
- Weight: 1 lb.
- Assembly: Meets UL 508 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. An adjustable set point, factory preset to customer specifications, can be programmed to signal an alarm and lockout the equipment from operating if the 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.



1.877.467.6372  
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