

# MEGalert™

Safety By Choice  
Reliability By Design

## CABLE & TRANSFORMER PROTECTION

### GP500/1000-ARL-AS



## CABLE guard™

- Runway Lights
- Taxiway Lights
- Lighting Transformers



**Reduce Risk  
to Save Lives**



Automatic Insulation Resistance Tester that monitors and protects critical-duty cable and transformer circuits

### Features: GP500/1000-ARL-AS

- Auto/manual test operation
- Adjustable low-alarm and pre-alarm contacts
- Latching low-alarm contacts with manual reset
- Pre-alarm contacts with auto reset
- Full 500/1000 VDC test voltage
- 5kV internal isolation relay
- Fused input and H.V. test leads
- Compact, lightweight enclosure with terminal guard
- DIN rail mounting bracket
- Shock and vibration resistant construction
- Ten year limited warranty
- Long life remote LED/ switch assembly with 10' cable
- 1% switchboard meg-ohm meter, color coded 4" dial
- Easily integrates with your ALCMS

### Optional Features

- 4-20 mA transducer
- Digital meter option for RS232/485 Modbus or Ethernet protocols
- 2% panel meter with color coded dial

### Specifications: Cable Guard GP500/1000-ARL-AS

Input Power: 120-240 VAC 50/60 Hz @ .05 A max.

Test Voltage: 500/1000 VDC @ 200 uA max.

Max Line Voltage: 5000 VRMS

Control sensing: N/C contact

Alarm Contacts: 5A @ 240 VAC or 28 VDC form C

Lockout Contacts: 5A @ 240 VAC or 28 VDC form C

Metering: 1% analog switchboard type, 4" color coded dial  
(Optional 2% Analog Panel Meter)

LED Display: Power On: Green

Test On: Yellow

Pre-Alarm: Yellow Flashing

Alarm: Red Flashing

Control Accuracy: 2% overall

Ambient Temp: -20° F to 140° F

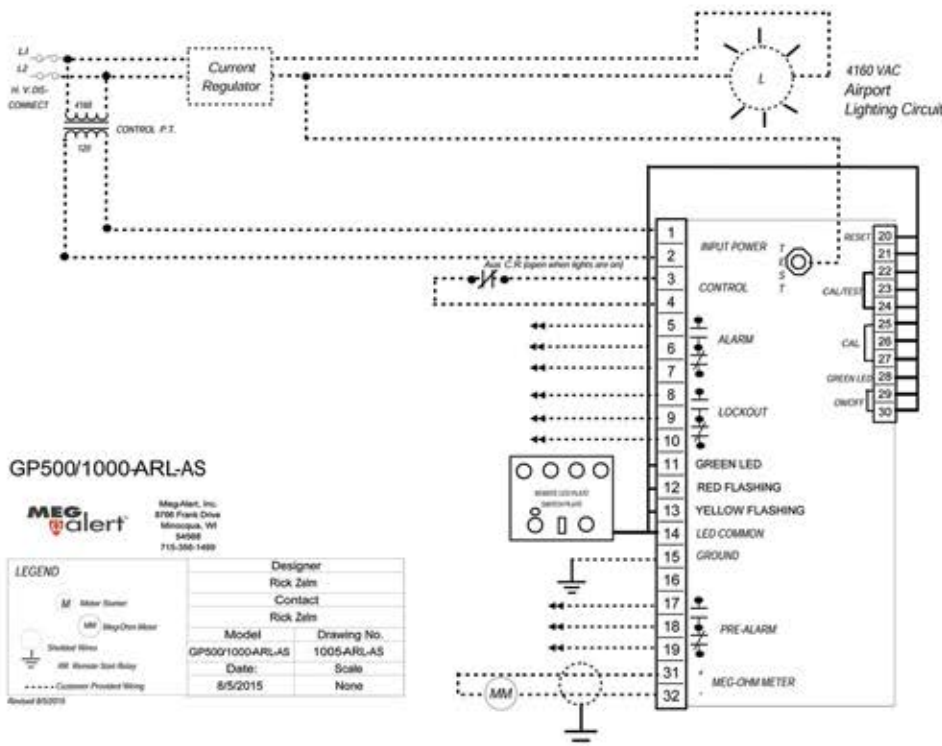
Dimensions: H 2.75" x W 6" x D 4.50"

Weight: 1.5 lb.

Assembly: Meets UL 508 specifications

### Operation:

CableGuard applies a current limited, fixed DC voltage to the cable circuit during idle periods. 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. CableGuard will not impair normal operation of 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  
www.hornerindustrial.com

U.S. Patent 5,514,967 - Patents Pending