

# GUARDDOG®

## WRG-300

- Primary and Secondary Protection Circuits
- Primary and Secondary Safety Fusing
- Primary and Secondary Dry Contacts
- Audible Alarm Option
- NEMA® 4X Rated Enclosure
- Listed to ANSI/UL 1449-4 & IEC 61643-11
- One Year Warranty
- Made in the USA



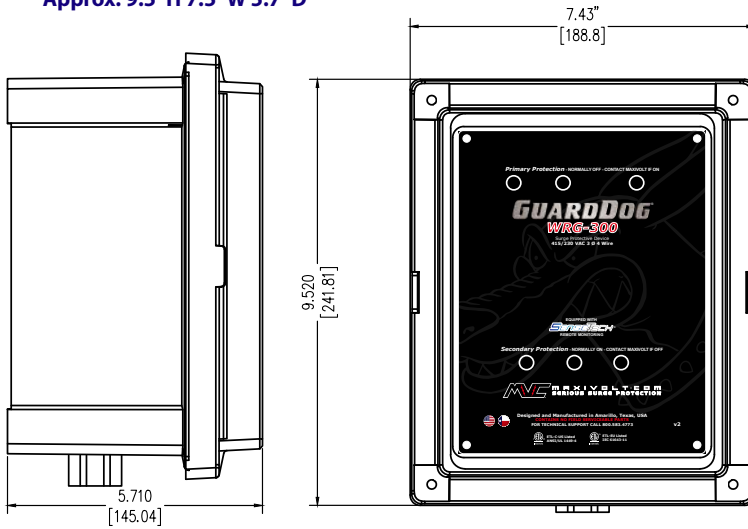
SenseTech



**WRG-300** Surge Protective Device

Maxivolt GuardDog® • Made in USA • Serious Surge Protection • Made in USA • Maxivolt GuardDog® • Made in USA • Serious Surge Protection • Made in USA • Maxivolt GuardDog®

Approx. 9.5”H 7.5”W 5.7”D



### Application

Voltage 230 / 415 VAC  
 Configuration 3 Ø / 4 Wire

### Characteristics

Fusing Internal  
 Indication Blue LEDs On / Red LEDs Off  
 Conductor 12 AWG Stranded  
 Enclosure NEMA® Type 4X

### Certifications

Listing ANSI/UL 1449 Ed. 4 / IEC 61643-11  
 Environmental RoHS

### Specifications

Modes of Protection L-N, L-L  
 Type (Class) II (2)  
 Clamp Voltage [1 mA] L-N (L-L) 510 (1020)  
 VPL [2kA] L-N (L-L) 900 (1600)  
 VPR [3kA] L-N (L-L) 1200 (2000)  
 SCCR 100 kA  
 MCOV L-N (L-L) 300 (600)  
 Operating Temperature -40° C to 85° C  
 Operating Humidity 1% to 95%  
 Filtering UL 1283  
 EMI-RFI Noise Attenuation < 40 db  
 Capacitance 1 to 1.5 µF / Line  
 Component Response Time < 1 ns  
 Frequency Range 50 - 400 HZ

#### Standard Installation Diagram

Install According To Instructions Provided With Device

**Note:** For optimum performance, minimize conductor length and avoid sharp bends.

To Phase A  
 To Phase B  
 To Phase C  
 To Neutral



**Note:** Connect Normally Open or Normally Closed conductor to input of the system control interface. The alarm interface may alternatively be connected to an audible alarm or visual indicator.

Control Power Source (Primary)  
 Normally Open (NO) Output (Primary)  
 Normally Closed (NC) Output (Primary)  
 Control Power Source (Secondary)  
 Normally Open (NO) Output (Secondary)  
 Normally Closed (NC) Output (Secondary)



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