

INSTALLATION, OPERATION, & MAINTENANCE MANUAL



WRG-100
WRG-200
WRG-200N
WRG-300
WRG-400
WRG-400P
WRG-600
WRG-700P

CONTENTS

- Important Notes
- Installation Instructions, Wiring Diagrams, Dimensional Drawings
- Operation and Maintenance
- Warranty



IMPORTANT **NOTES**

MUST BE INSTALLED BY LICENSED ELECTRICIAN

**Safety First! Know Your Voltage!
Always Use a Volt Meter!**

- Breaker must be 'off' during installation. Do not install surge protective device with power 'hot'.
- Do not connect any two SPD wires to the same bus. The SPD may be damaged and warranty voided by improper connection.
- 30 inches of wire is provided for installation. Cut wires as short as possible and keep free of sharp bends. Sharp bends in the wire create impedance. For optimum performance lead wire should be as short as possible and free of sharp bends.
- Do not add wire to the SPD. This will impair the performance of the SPD, and will void the warranty. The SPD will perform best (faster response time) with the shortest wire length possible. Do not use wire nuts, kernies, etc. when installing SPD.
- Never install the SPD without utilizing mounting feet.
- Do not modify the SPD in any way. The SPD may be damaged and void the warranty.



INSTALLATION **INSTRUCTIONS**

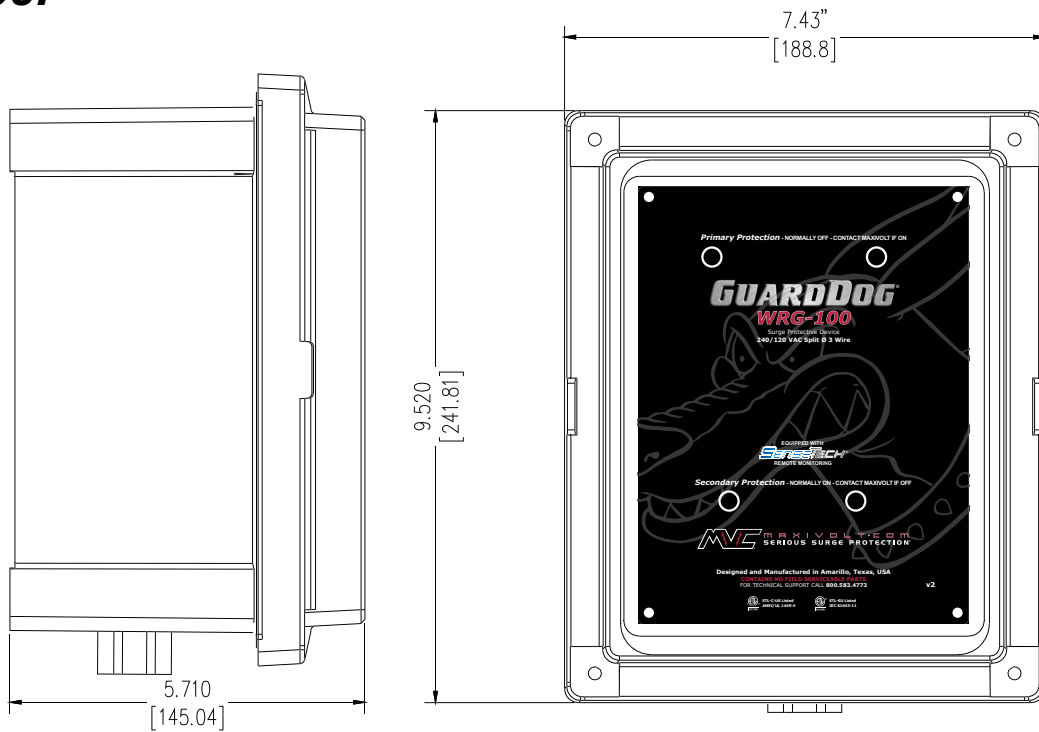
- Read **Important Notes** before installing SPD. Breaker must be disconnected during installation.
- Mount SPD as close as possible to connection points using mounting feet.
- Use rigid conduit and fittings to pipe conductors.
- Cut lead conductors as short as possible without straining or creating sharp bends to connect.
- Connect SPD lead conductors in accordance with wiring diagrams on page 4.
- Energize and ensure blue lights are on and primary protection lights are off.

Note: Appropriate conduits and fittings must be used to maintain NEMA 4X rating.



DIMENSIONAL DRAWINGS

- WRG-100**
- WRG-200**
- WRG-200N**
- WRG-300**
- WRG-400**
- WRG-400P**
- WRG-600**
- WRG-700P**

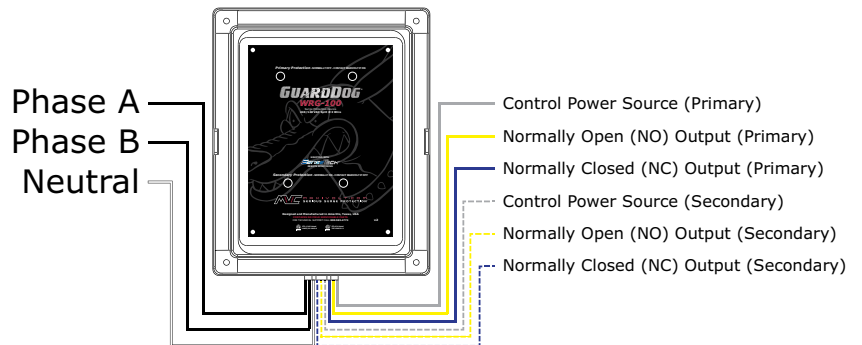


inches
[mm]

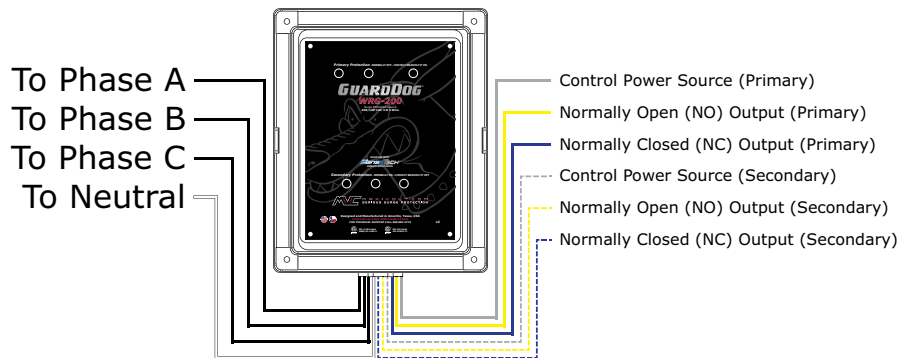


WIRING DIAGRAMS

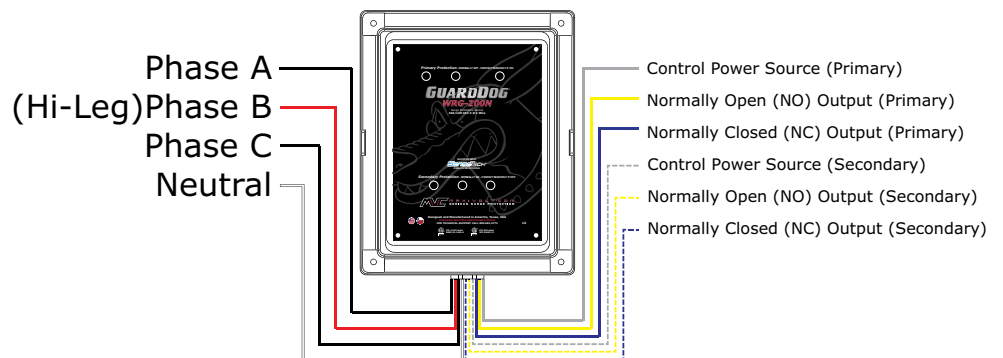
WRG-100



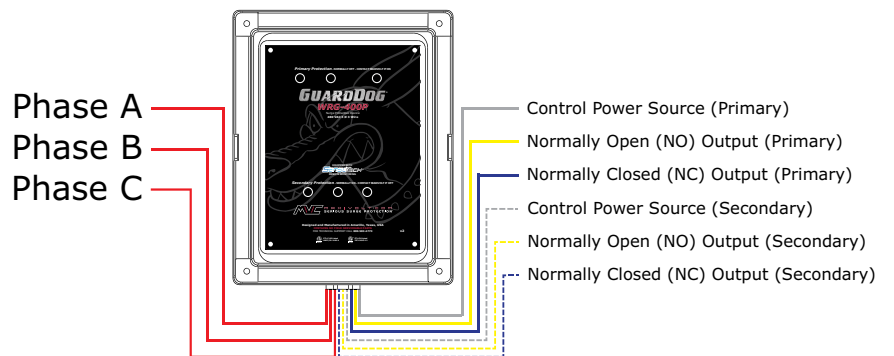
WRG-200 WRG-300 WRG-400 WRG-600



WRG-200N



WRG-400P WRG-700P





OPERATION AND MAINTENANCE

Add the following to your routine inspection forms:

This device contains no field serviceable parts.

VISUAL INSPECTION

Primary Protection Level

Means of Indication: Primary lights are red in color and are normally off.

Action: Visually confirm all three lights are 'off'. If any lights are 'on', call Maxivolt @ 1-800-583-4773.

Secondary Protection Level

Means of indication: Secondary lights are blue in color and are normally on.

Action: Visually confirm all lights are 'on'. If any lights are 'off', call Maxivolt @ 1-800-583-4773.

Technical Assistance

Maxivolt staff is available to answer any questions.

Mon. - Fri., 8:00 AM to 5:00 PM (CST/CDT) @ 1-800-583-4773



WARRANTY

One Year Limited Warranty

MVC, Inc. warrants to the original consumer purchaser that the electrical component parts of this WRG-Series Unit are free from defects in material and workmanship at the time of purchase under normal use and conditions. The term of this warranty begins on the purchase date and continues for a period of one year.

In the event of a defect, or other failure of the WRG Series Unit not caused by any misuse or damage to the WRG Series Unit while in the possession of the consumer, MVC, Inc. will repair or replace the WRG Series unit with a new or re-manufactured equivalent, or, at MVC, Inc.'s option, refund the purchase price. However, MVC, Inc. will not elect refund unless it is unable to provide replacement, and repair is not commercially practicable or cannot be made within a commercially reasonable time.

THE CONSUMER IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE DEFECTIVE WRG SERIES UNIT OR REFUND OF THE PURCHASE PRICE. THIS LIMITED WARRANTY REPRESENTS THE TOTAL LIABILITY OF MVC, INC. FOR ANY WARRANTED PART. MVC, INC. DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTIES INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MVC, INC. SHALL NOT BE LIABLE FOR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES.

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPAIRED WARRANTY LASTS, OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER LEGAL RIGHTS, WHICH MAY VARY FROM STATE TO STATE.

This warranty does not cover: (1) installation, set-up, testing, or adjustment; (2) removal or re-installation; (3) defects occurring after purchase due to improper installation, repair, modification, accident, tampering, misuse, abuse, or negligence; or (4) damage to the unit from fire, flood, or other catastrophe. This warranty is void if the rated capacity of the WRG Series Unit is exceeded, if the WRG Series has been opened or disassembled in any manner, or if the serial number of the WRG Series Unit has been altered or removed. This warranty extends exclusively to the original purchaser of the WRG Series Unit, and subsequent purchasers are not covered by this warranty agreement.

WARRANTY PROCEDURE

To obtain warranty performance, the consumer must deliver to MVC, Inc.: (1) the defective WRG Series Unit; (2) a receipt, bill of sale, or other original evidence showing the date of purchase; and (3) the consumer's return address and daytime telephone number. If shipped, the WRG Series Unit must be packaged so that it is protected from possible shipping damage, and should be addressed to: MVC, Inc., 800 S. Rusk, Amarillo, Texas 79106, attention Warranty Claim. To obtain information on warranty performance, call toll free: 1-800-583-4773. A Warranty Information Form should be filled out and included in the package containing the WRG Series Unit. This form can be requested from MVC, Inc. at the toll free number listed above.



ABOUT

Established over three decades ago, Maxivolt is a pioneer in the power quality industry with over a century of combined experience. Maxivolt manufactures specialized technology and provides value-added services custom-tailored to extend the life and protect the operational integrity of electrical and electronic equipment. Averted equipment failures and misoperations result in numerous long-term financial and operational benefits.

For more information, contact Maxivolt:

800-583-4773

info@maxivolt.com

