



# Quote

**RMC Electric Company**  
 PO Box 10645 Ph 505-321-7842 Fax 505-342-1723  
 Albuquerque NM 87184

Date: 02/23/2015  
 Quote No.: 10030  
 Salesperson: Randy Morales

**Bill To:**  
 Zorro Ranch  
 Zorro Developments corp  
 49 Zorro Ranch RD Stanley  
 NM 87056

**Ship To:**  
 Zorro Developments corp  
 49 Zorro Ranch RD Stanley  
 NM 87056

Qty	Job	Description	Unit Price	Total
1		MVC surge protection installation		
1		1) Two 480 volt singel phase at maine house service disconnects		
1		2) One 480 volt three phase at Dakora well		
1		3) Two 120-240 volt singel phase at main house MDP		
1		4) One 120-240 volt singel phase at well by main house		
1		5) One 120-240 volt singel phase at well 4		
1		6) One 120-240 volt singel phase at well K and B		
1		7) Five ice cube relay surge protectors for PLC and Maine house surround sound system.		
1		8) will drive two ground rods at main house service and attach to existing ground system will also check main house MDP ground system make sure it is bonded.		
1		Materials		
1		1) Boxes, fitting, flex, pipe and wire	\$150.00	\$150.00
1		2) Two 8ft groud rods	\$40.00	\$40.00
1		Labor		
1		1) Two men 18 hr @ 85.00	\$1,530.00	\$1,530.00

Subtotal \$1,720.00  
 alb tax \$120.40  
**Total \$1,840.40**

Please contact us for more information about payment options.

Thank you for your business.

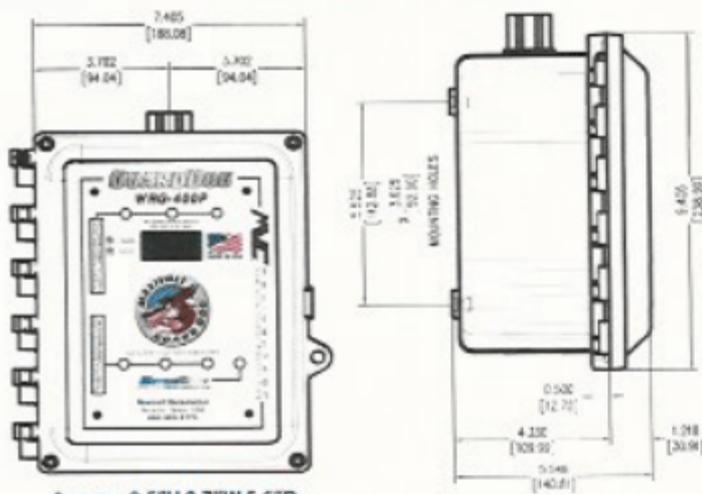
# GUARDDOG® WRG-400P

- Primary and Secondary Protection Levels
- Dual Listings - ANSI/UL 1449 Ed. 3 / IEC 61643-11
- SenseTech® Communication Options
  - Audible Alarm, Form C Dry Contacts, Remote Light Contacts
- NEMA® 4X Rated Enclosure Standard
- Surge Counter Option Available
- Primary and Secondary Safety Fusing
- 5 Year Repair / Replace SPD Warranty



**WRG-400P** 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®



### Application

Voltage 480 VAC  
Configuration 3 Ø / 3 Wire

### Characteristics

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

### Certifications

Listing ANSI/UL 1449 Ed. 3 / IEC 61643-11  
Environmental RoHS

### Specifications

Modes of Protection	L-L
Type (Class)	II (2)
Clamp Voltage [1 mA]	1020
VPL [2kA]	1600
VPR [3kA]	2000
SCCR	100 kA
MCOV	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 Summary

Install According To Instructions Provided With Device

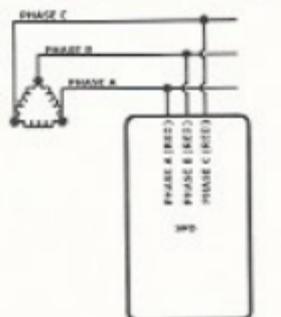
1. Remove 3/4" knockout.
2. Mount using mounting feet with proper anchors.
3. Connect one red conductor to phase A.
4. Connect other red conductor to phase B.
5. Connect last red conductor to phase C.

**Note:** Mount close as possible to connection points

**Note:** Breaker Size 15 amp (if required).

**Note:** Never add length to provided conductors.

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



Maxivolt Corporation  
800 South Rusk Street  
Amarillo, Texas, USA

(806) 371-0722  
(800) 583-4773  
www.maxivolt.com

WRG400P0734

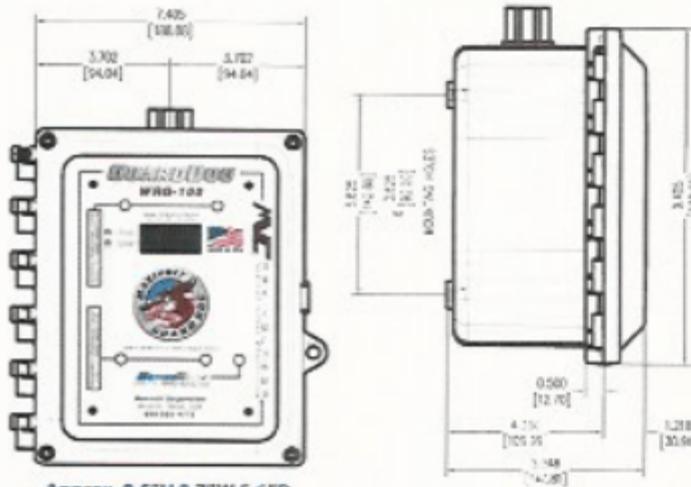
# GUARDDOG® WRG-100

- Primary and Secondary Protection Levels
- Dual Listings - ANSI/UL 1449 Ed. 3 / IEC 61643-11
- SenseTech® Communication Options
  - Audible Alarm, Form C Dry Contacts, Remote Light Contacts
- NEMA® 4X Rated Enclosure Standard
- Surge Counter Option Available
- Primary and Secondary Safety Fusing
- 5 Year Repair / Replace SPD Warranty



**WRG-100** 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®



### Application

Voltage	120 / 240 VAC
Configuration	2 Ø / 3 Wire

### Characteristics

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

### Certifications

Listing	ANSI/UL 1449 Ed. 3 / 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)	220 (440)
VPL [2kA] L-N (L-L)	500 (960)
VPR [3kA] L-N (L-L)	700 (1000)
SCCR	100 kA
MCOV L-N (L-L)	140 (280)
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 Summary

Install According To Instructions Provided With Device

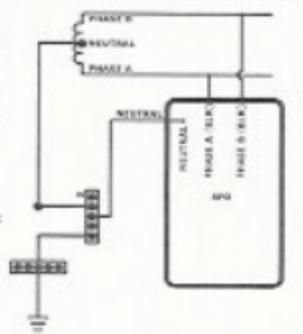
1. Remove 3/4" knockout.
2. Mount using mounting feet with proper anchors.
3. Connect one black conductor to phase A.
4. Connect other black conductor to [REDACTED]
5. Connect white conductor to neutral.

**Note:** Mount close as possible to connection points

**Note:** Breaker Size 15 amp (if required).

**Note:** Never add length to provided conductors.

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



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WRG1000714



**Model: ICP-110S**

**Typical Applications: Controls, Computers, Instrumentation**



**Application**

Voltage / Configuration 120 VAC / 2 Wire

**Characteristics**

Fusing Non Serviceable  
Indication Blue Flag & Remote Alarm  
Markings Silk Screened  
Enclosure NEMA® Type 1

**Certifications**

Listing ETL ANSI/UL 1449 3rd  
Environmental RoHS

**Specifications**

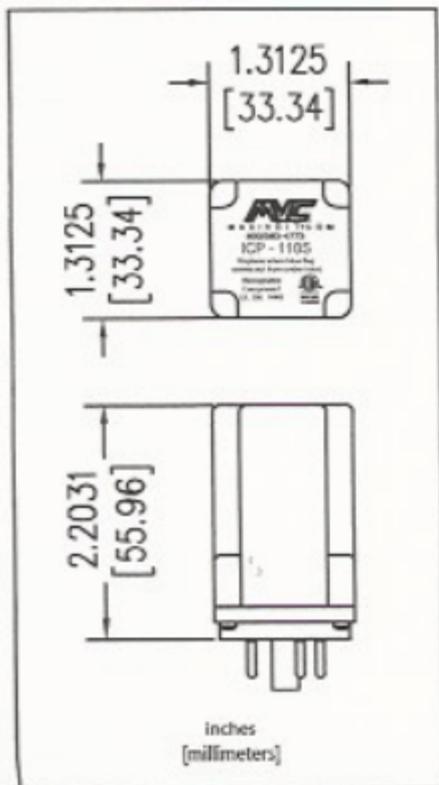
Modes of Protection	L-N
Type	4
Clamp Voltage	180
MCOV	140
Operating Temperature	-40° C to 85° C
Operating Humidity	1% to 95%
Filtering	UL 1283
EMI-RFI Noise Attenuation	< 40 db
Capacitance	1 to 1.5 µF / Line
Component Response Time	< 1 ns
Frequency Range	50 - 400 Hz

**Customized Options Available to Meet Specific Client Needs**

Maxivolt manufactures specialized products and works with clients to provide exactly what they need. For example, if your device requires a waterproof or explosion proof enclosure, needs a custom paint job, an installation kit to streamline your install, or any other customization, Maxivolt can accommodate.



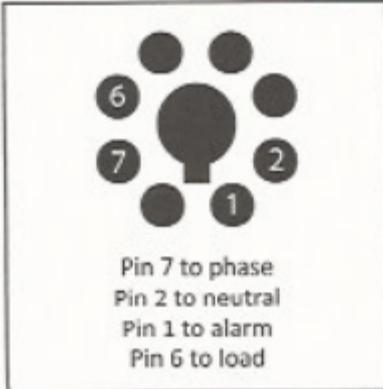
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**Standard Installation Summary**  
Install According To Instructions Provided With Device

1. Install 8 pin octal socket (available separately) as close to the power source as possible.
2. Connect pin 7 to phase.
3. Connect pin 2 to neutral.
4. Connect pin 1 to alarm source.
5. Connect pin 6 to load.
6. Plug ICP-110S into octal socket.

**Note:** For optimum SPD performance minimize conductor length and avoid sharp bends.  
**Note:** For replacement, ICP-110S is hot-swappable.  
**Note:** Maximum Load 300 Watts



**Phone Support**  
Support Service and Application Specialists are a phone call away.  
800.583.4773



**Website Support**  
Find more information about Maxivolt products and services.



**Value-Added Service**  
Customized [redacted]-Site Surveys, Support Service, Technical Support, and More.



**Think Green**  
MV-Series and ICP-Series surge protective devices are RoHS compliant.



**Safety First**  
All Maxivolt products are fused and non-ground dependent to minimize safety hazards.



**Other Products**  
• MV-Series (170 VAC - 600 VAC)  
• ICP-Series (12 VDC - 120 VAC)  
• WS-Series (600 VAC - 5000 VAC)



**Elsewhere on the Web**  
Find and follow Maxivolt on LinkedIn, Twitter, Facebook, and Youtube.



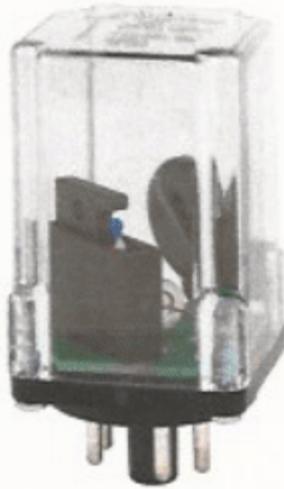
Maxivolt Corporation  
800 South Rusk Street  
Amarillo, Texas, USA

(806) 371-0722  
(806) 371-7454 (fax)  
(800) 583-4773



**Model: ICP-40DCS**

**Typical Applications: Controls, Computers, Instrumentation**



**Application**

Voltage 12-48 VDC  
Configuration 2 Wire

**Characteristics**

Fusing Non Serviceable  
Indication Blue Flag & Remote Alarm  
Markings Silk Screened  
Enclosure NEMA® Type 1  
Environmental RoHS

**Specifications**

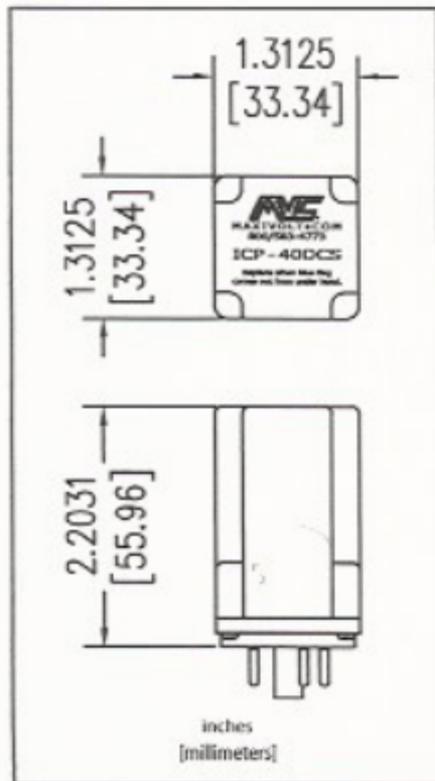
Modes of Protection n/a  
Type n/a  
Clamp Voltage 60  
MCOV 48  
Operating Temperature -40° C to 85° C  
Operating Humidity 1% to 95%  
EMI-RFI Noise Attenuation < 40 db  
Component Response Time < 1 ns  
Frequency Range 50 - 400 HZ

**Customized Options Available to Meet Specific Client Needs**

Maxivolt manufactures specialized products and works with clients to provide exactly what they need. For example, if your device requires a waterproof or explosion proof enclosure, needs a custom paint job, an installation kit to streamline your install, or any other customization, Maxivolt can accommodate.



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**Standard Installation Summary**  
Install According To Instructions Provided With Device

1. Install 8 pin octal socket (available separately) as close to the power source as possible.
2. Connect pin 7 to "+".
3. Connect pin 2 to "-".
4. Connect pin 1 to alarm source.
5. Connect pin 6 to load.
6. Plug ICP-40DCS into octal socket.

**Note:** For optimum SPD performance minimize conductor length and avoid sharp bends.  
**Note:** For replacement, ICP is hot-swappable.  
**Note:** Maximum Load 3 Amps

Pin 7 to "+"  
Pin 2 to "-"  
Pin 1 to alarm  
Pin 6 to load

**Phone Support**  
Support Service and Application Specialists are a phone call away.  
800.583.4773

**Website Support**  
Find more information about Maxivolt products and services.  
www.maxivolt.com

**Value-Added Service**  
Customized Trainings, On-Site Surveys, Support Service, Technical Support, and More.

**Think Green**  
MV Series and ICP Series surge protective devices are RoHS compliant.

**Safety First**  
All Maxivolt products are fused and non-ground dependent to minimize safety hazards.

**Other Products**

- MV-Series (120 VAC - 600 VAC)
- ICP Series (12 VDC - 120 VAC)
- WS-Series (600 VAC - 5000 VAC)

**Elsewhere on the Web**  
Find and follow Maxivolt on LinkedIn, Twitter, Facebook, and Youtube.



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## Critical Operations: When Downtime Isn't An Option

Maxivolt surge protective devices shield electrical equipment and electronic devices from damaging power surges. Power surges can be classified into two broad categories.

### Minor Power Surges

Occurrence: Frequent (Everyday)

Threats: Gradually degrade equipment, computer errors, eventual premature failure

### Major Power Surges

Occurrence: Periodic (Less frequent but can occur at anytime)

Threats: Immediate failure of electrical equipment and electronic devices

Maxivolt surge protective devices increase an operation's reliability, efficiency, and profitability while reducing the headaches and expenses of unplanned maintenance and downtime.

## Benefits of Maxivolt Surge Protection

- Increased equipment life
- Increased operation efficiency and reliability
- Increased production
- Reduced maintenance / replacement
- Reduced computer errors
- Reduced downtime
- Reduced equipment and labor expenses

## The Maxivolt Advantage

**Safety** - Products fused and designed without ground connection to minimize safety risks.

**Performance** - Products designed for specific applications to provide optimum protection.

**Application Specialists** - People ensure the right device is properly applied and installed.

**Support Service** - People ensure every client is completely satisfied and taken care of.

**Experience** - Maxivolt has over 24 years experience exclusive to the surge protection business.

## Summary

1. Maxivolt surge protection shields electrical equipment and electronic devices from power surges.
2. Everyday minor power surges degrade equipment and devices, eventually causing premature failure.
3. Periodically major power surges cause electrical equipment and electronic devices to fail immediately.
4. Maxivolt surge protection increases equipment life, operation efficiency, reliability, and production.
5. Maxivolt surge protection reduces maintenance expenses and lost revenue due to downtime.
6. Maxivolt products are designed to be safe without compromising performance.
7. Maxivolt provides application specialists and client support specialists to ensure client satisfaction.



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