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**SERIOUS SURGE PROTECTION®**  
**MADE IN THE USA • SINCE 1988**



# ICP-110

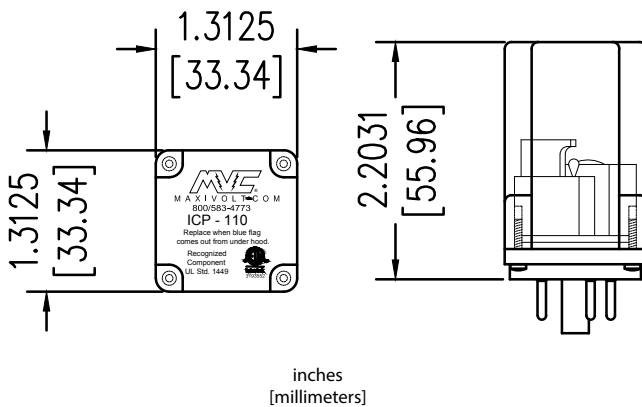
- **Safety Fusing**
- **Hybrid Surge Suppression Circuit**
- **No Ground Connection**
- **Dual Means of Indication**
- **Low Clamping Voltage**
- **Low Surge Current Rating**
- **Open Air PCB Construction**
- **ETL Listed to ANSI/UL 1449 3rd Edition**
- **Made In The USA**



**ICP-110 Surge Protective Device**

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## Approximate Size (H x W x D) 7" x 3.5" x 4"



## Application

Voltage	120 VAC
Configuration	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 (Class)	4
Clamp Voltage [1 mA]	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

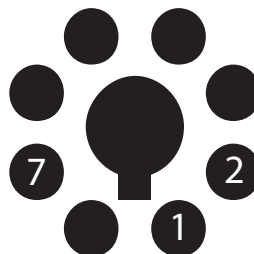
### Standard Installation Summary

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. Plug ICP-110 into octal socket.

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

**Note:** For replacement, ICP-110 is hot-swappable.



Pin 7 to phase  
 Pin 2 to neutral  
 Pin 1 to alarm



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