



# INSTALLATION INSTRUCTIONS

Model 83904

Type 1 or Type 2 Surge Protective Device

**IMPORTANT SAFETY INSTRUCTIONS,  
SAVE THESE INSTRUCTIONS**

## WARNING

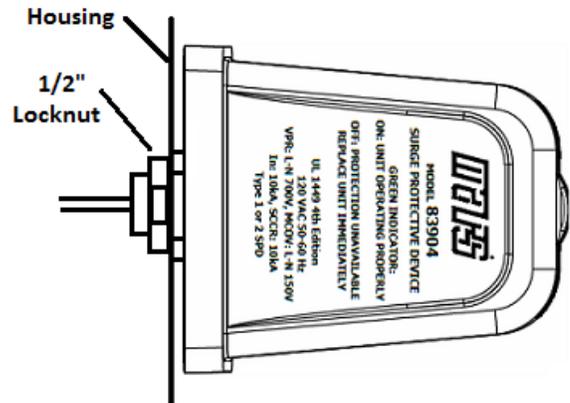
### *Risk of Electrical Shock*

*Attention: Risqué De Choc-Ne Pas Ouvrir*

- Thoroughly read instructions before installing unit.
- Installation and Service to be performed by a Qualified Licensed Electrician.
- Intended for indoor use.
- All wiring must comply with all state and local electrical codes including the National Electrical Code and/or Canadian Electrical Code.
- This unit contains no serviceable parts.
- *Attn: Aucune piece remplaçable ou reparable.*
- This product does not protect against direct lightning strikes.
- Suitable for use on a circuit capable of delivering not more than 10,000 rms amperes 120 volts per line.
- In all applications, NEC recommended maximum Ground resistance should not exceed 25 ohms. Verify ground resistance prior to installation.

### Installation:

1. Turn off main breaker to equipment the protector is to be installed and verify power is off with appropriate meter. Remove the 1/2" knockout in the location you wish to install the SPD.
2. Remove the retaining locknut from the nipple on the SPD83904. Feed the wires and nipple into the 1/2" knockout hole. Secure the SPD in place with the lock nut.

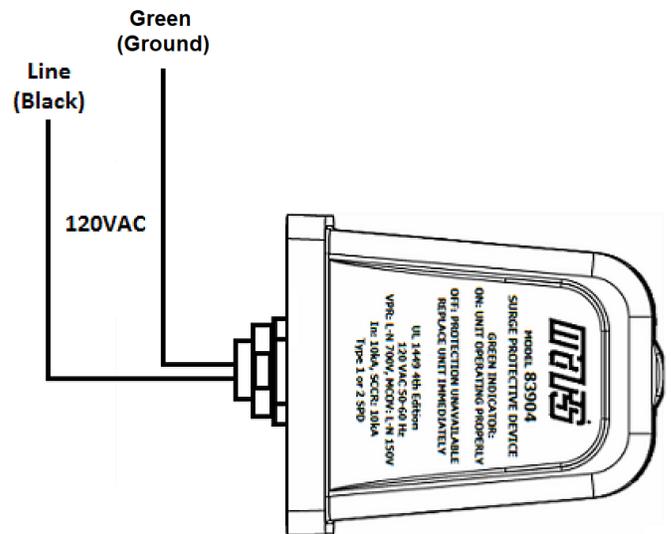


Indoor Installation

3. Connect the black wire to the equipment black wire.
4. Connect the green wire to the equipment ground wire.
5. Ensure all wiring is correct and securely fastened. Turn on circuit breaker and verify green light on SPD is "ON".
6. Periodically check LED status lights confirming unit is functioning properly.

### Installation tips:

For best performance ensure conductor length is as short as possible. Do not coil excess wire. The SPD functions best if all bends in wires are rounded. Hard 90-degree bends will reduce efficiency.



120Vac two wire single phase Installation

Technical Support 800-678-9888

92200401 Rev. E