



**Environmental Potentials**

Power Quality For The Digital Age



## **EP Ground Filter Products**

Installation and Maintenance Manual



# EP Ground Filter Products

## Installation and Maintenance Manual

### Table of Contents

- 3 - Safety First
- 3 - Pre-Installation Preparations
- 4 - Ground Filter Application
- 5 - Installation Instructions
- 6 - Installation Instructions
- 6 - Maintenance
- 6 - Servicing



### FIVE YEAR WARRANTY

- Environmental Potentials will replace or repair any product from the EP Ground Filter product line as long as it was not damaged during installation or damaged from faulty installation.
- EP warranty registration card must be filled out and received by Environmental Potentials within 15 days of installation.
- This warranty is for the repair or replacement of damaged EP products only. Environmental Potentials accepts no liability, written or expressed, for the damage that may have occurred to any other equipment; nor does Environmental Potentials warranty cover any labor cost associated with replacement of such product.

**Contact Us:** [info@ep2000.com](mailto:info@ep2000.com) • 1.844.500.7436

**EP Technical Support:** [techsupport@ep2000.com](mailto:techsupport@ep2000.com) • 1.844.500.7436  
**Mailing Address:** 4220W 2100S, Suit N&O, Salt Lake City, UT 84120



# Safety First

Even though EP units are designed for common installation, electricity is dangerous and only qualified personnel should attempt installation.

1. Read and understand entire contents of installation manual prior to installation.
2. Verify the wire size of the ground wire that will be connected to the ground filter
3. Verify with voltage meter that electricity is off.
4. Ensure all connections in electrical panel are secure and all tools and equipment have been removed from electrical panel before re-energizing system.

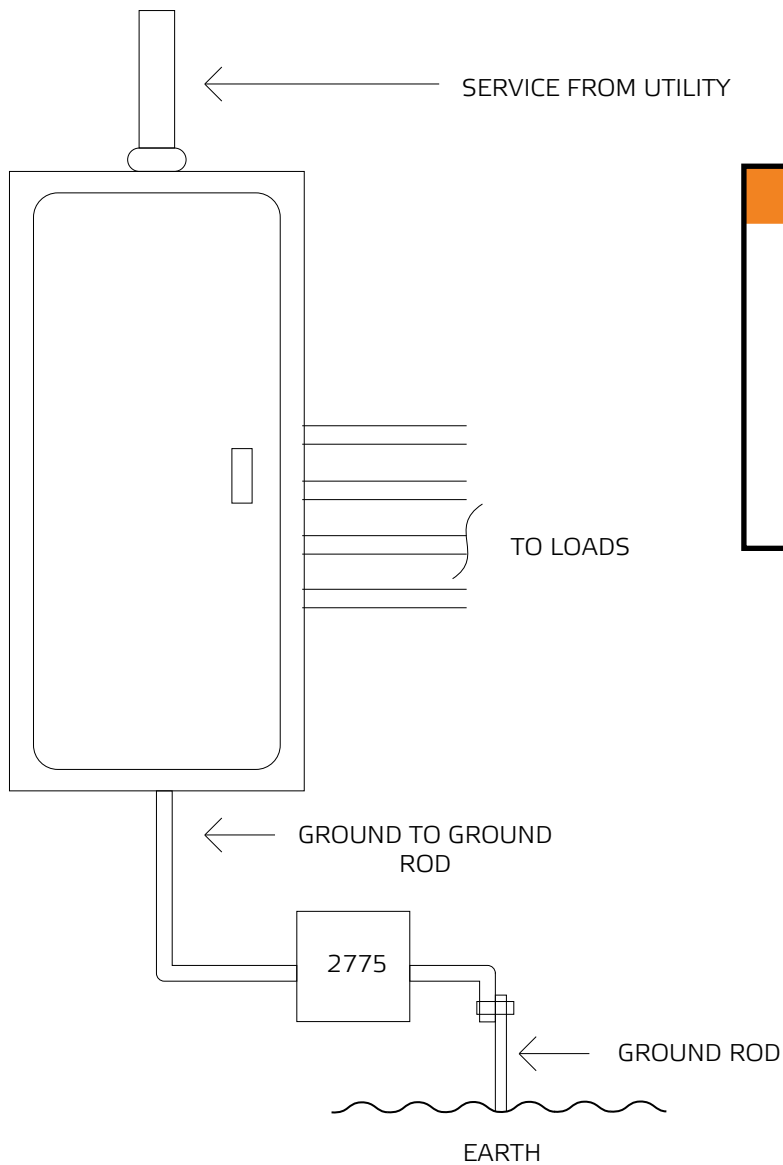


American Wire Gauge Conversion Chart		
AWG#	Diameter	
	Inches	MM
1	0.2893	7.348
2	0.2576	6.544
3	0.2294	5.827
4	0.2043	5.189
5	0.1819	4.621
6	0.1620	4.115
7	0.1443	3.665
8	0.1285	3.264
9	0.1144	2.906
10	0.1019	2.588
11	0.0907	2.305
12	0.0808	2.053
13	0.0720	1.828
14	0.0641	1.628

## Pre-Installation Preparations

1. Read entire contents before performing installation.
2. Verify the wire size of the ground wire that will be connected to the ground filter
3. Check all the fuses of the electrical system before installing EP unit.
4. Make sure your EP product is suitable for your application.

**Note: Call EP to confirm the product application.**

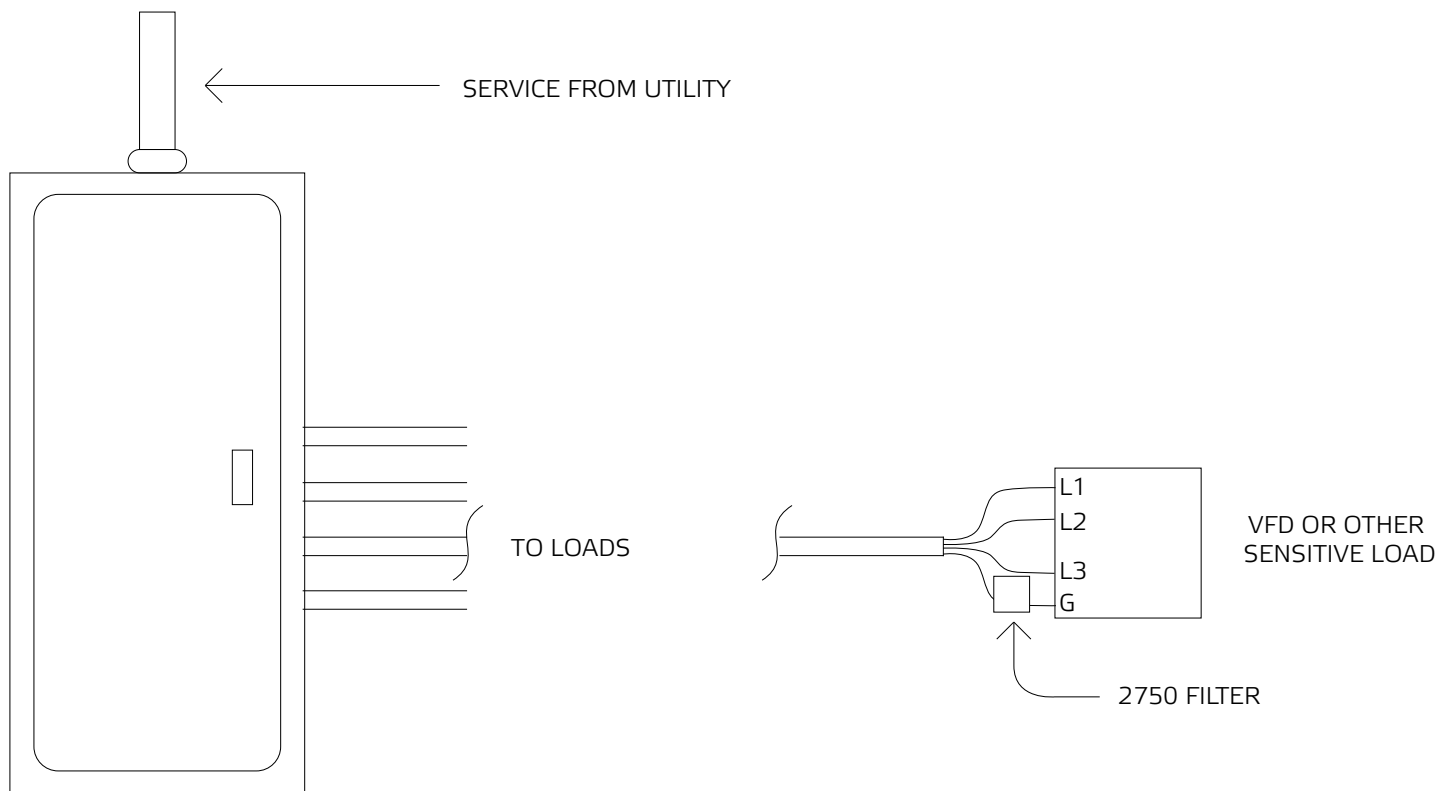


**⚠ WARNING ⚠**

- ALWAYS have a professional electrician with proper safety equipment perform installation.
- Any attempt to open unit voids warranty.

# Wiring

1. Verify the wire size of the ground it is being placed in series with.
2. The size of the ground filter wire must match or exceed the size of the ground wire.
3. Take one lead and connect to grounding rod
4. Take remaining lead and connect to the facility safety ground

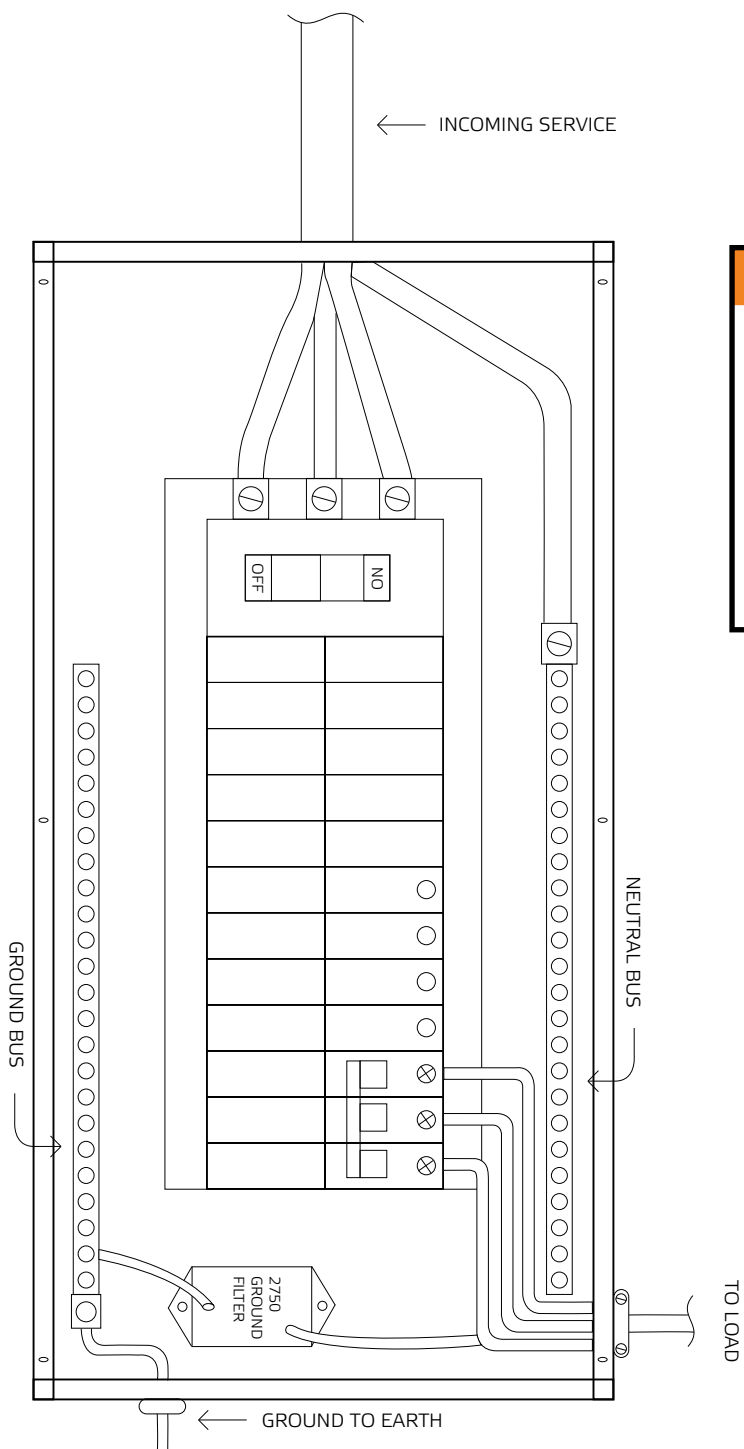


### ⚠ WARNING ⚠

- ALWAYS have a professional electrician with proper safety equipment perform installation.
- Any attempt to open unit voids warranty.

## Wiring Point of Equipment Installation

1. Verify the wire size of the ground it is being placed in series with.
2. The size of the ground filter wire must match or exceed the size of the ground wire.
3. Take one lead and connect to incoming ground wire going to the load
4. Take remaining lead and connect to the load



**⚠ WARNING ⚠**

- ALWAYS have a professional electrician with proper safety equipment perform installation.
- Any attempt to open unit voids warranty.

# Wiring Point of Equipment Installation

1. Verify the wire size of the ground it is being placed in series with.
2. The size of the ground filter wire must match or exceed the size of the ground wire.
3. Take one lead and connect to the ground bus bar.
4. Take remaining lead and the incoming ground wire from the load.