

Zerodis 15KV Electric Fence Arrester

Zerodis 15KV Electric Fence Arrester Instruction Manual

Model: 15KV Electric Fence Arrester

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1. PRODUCT OVERVIEW

The Zerodis 15KV Electric Fence Arrester is designed to protect electric fence systems from high voltage surges, such as those caused by lightning strikes. Constructed from premium stainless steel and zinc oxide, this arrester ensures stable performance and durability. It acts as a critical component in preserving the integrity and functionality of transceivers, receivers, and other electronic fence equipment by diverting excessive voltage safely to the ground. This product is primarily intended for use in farm or ranch fencing applications to enhance the safety and longevity of electric fence installations.



Electric Fence Arrester

Composite zinc oxide lightning arrester for electronic fence



Image 1.1: Two Zerodis Electric Fence Arresters shown in an outdoor electric fence application setting.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating the electric fence arrester. Failure to follow these instructions may result in electric shock, fire, or damage to equipment.

- **High Voltage Warning:** Electric fence systems operate at high voltages. Always disconnect power to the electric fence energizer before installing, inspecting, or performing maintenance on the arrester or any part of the fence system.
- **Professional Installation Recommended:** If you are unfamiliar with electrical installations or high-voltage systems, seek assistance from a qualified electrician or professional installer.
- **Grounding:** Ensure proper grounding of the arrester and the electric fence system according to local electrical codes and regulations. An effective ground connection is crucial for the arrester to function correctly.
- **Environmental Conditions:** Do not install the arrester in locations prone to excessive moisture, extreme temperatures, or corrosive environments unless specifically designed for such conditions.

- **Inspect for Damage:** Before installation, visually inspect the arrester for any signs of physical damage. Do not install damaged components.
- **Children and Animals:** Keep children and animals away from electric fence components, especially during installation and operation.

3. PACKAGE CONTENTS

Verify that all items listed below are present and undamaged in your package:

- 2 x Electric Fence Lightning Arresters



Image 3.1: The package includes two Zerodis Electric Fence Arresters.

4. SPECIFICATIONS

Feature	Detail
Item Type	Electric Fence Lightning Arrester
Material	Zinc Oxide
Product Size (Approx.)	18 x 8.5 x 8.5 cm / 7.1 x 3.3 x 3.3 inches
Arrester Rated Voltage	10KV
Continuous Operating Voltage	8KV
Reference Voltage	≥15KV
DC	1MA

Feature	Detail
External Thread	0.7 cm
Purpose	Lightning arrester for electronic fence
Weight (per unit)	Approximately 585g / 20.6 oz (Total gross weight 1170g / 41.3oz for 2 units)



Image 4.1: Dimensions of the Zerodis Electric Fence Arrester.

5. SETUP AND INSTALLATION

Proper installation is crucial for the effective operation and safety of the electric fence arrester. Follow these steps carefully:

1. **Power Disconnection:** Before beginning any installation, ensure that the electric fence energizer is completely disconnected from its power source and the fence line is de-energized.
2. **Mounting Location:** Select a suitable location for the arrester. It should be installed on the electronic fence line, typically near the energizer or at points where lightning strikes are more likely, such as high points or corners.
3. **Mounting Bracket (Not Included):** The arrester is designed to be supported by an L-shaped fixing bracket (not included). Securely attach the bracket to a sturdy post or structure.
4. **Attach Arrester:** Mount the arrester onto the L-shaped bracket using appropriate fasteners. Ensure it is firmly secured and stable.
5. **Connect to Fence Line:** Connect one terminal of the arrester to the live wire of the electric fence. Use appropriate high-voltage insulated wire and connectors.
6. **Grounding Connection:** Connect the other terminal of the arrester to a dedicated ground rod. The ground rod should be driven deep into moist soil and connected with a low-resistance conductor. A robust grounding system is essential for lightning protection.
7. **Verify Connections:** Double-check all connections to ensure they are tight, secure, and properly insulated where necessary.
8. **Restore Power:** Once installation is complete and verified, you may reconnect power to the electric fence energizer.



Fence High Voltage Arrester

Preserve transceivers and receivers
High accuracy lightning arrester, better preserve transceiver, receiver, etc

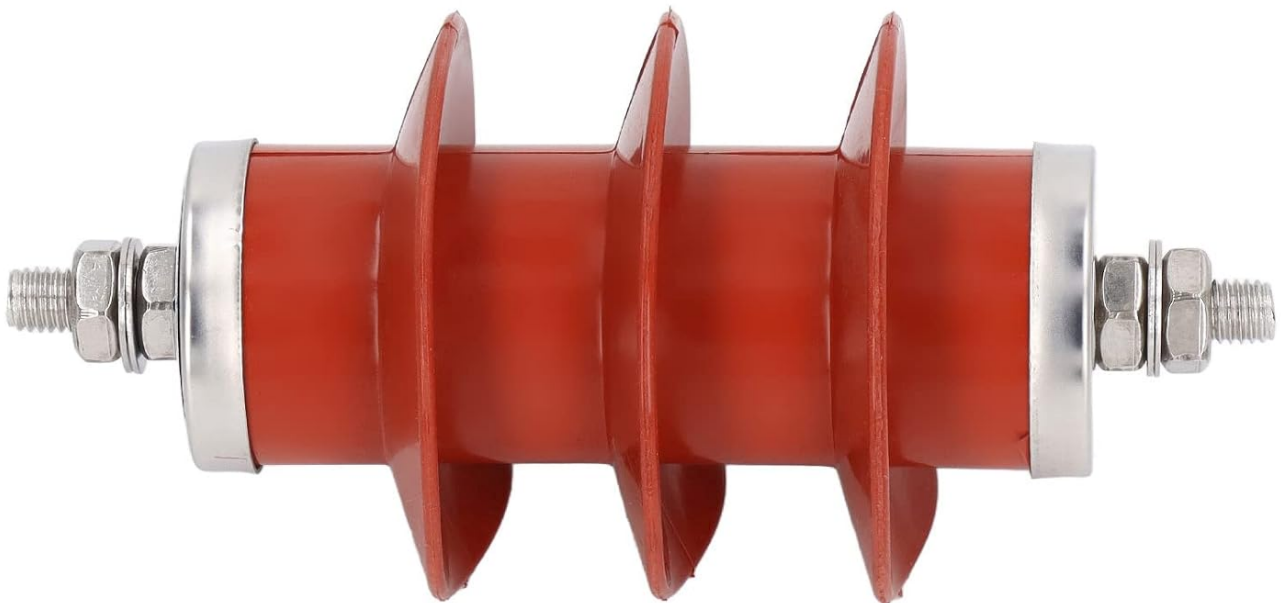


Image 5.1: Example of a high voltage arrester installed on a fence, designed to protect electronic components.

6. OPERATING INSTRUCTIONS

The Zerodis Electric Fence Arrester operates passively to protect your electric fence system. Once correctly installed, it requires no active user intervention.

- **Automatic Protection:** The arrester continuously monitors the voltage on the electric fence line. In the event of a high-voltage surge (e.g., from a lightning strike), the zinc oxide material within the arrester will conduct the excess voltage to the ground, bypassing sensitive electronic components of your fence system.
- **Voltage Threshold:** The arrester is designed to activate when the voltage exceeds its reference voltage ($\geq 15\text{KV}$), effectively diverting dangerous surges.
- **Continuous Operation:** The arrester remains in a non-conductive state during normal fence operation, allowing the electric fence to function without interference.

7. MAINTENANCE

Regular inspection and minimal maintenance will ensure the longevity and effectiveness of your electric fence arrester.

- **Visual Inspection:** Periodically inspect the arrester for any signs of physical damage, corrosion, or loose connections. Check the integrity of the housing and the connection points.
- **Grounding System Check:** Ensure the ground rod and its connection to the arrester remain secure and free from corrosion. A poor ground connection will compromise the arrester's effectiveness.
- **Post-Surge Inspection:** After a severe lightning storm or any event that might have caused a significant power surge, inspect the arrester for any signs of damage or degradation. While designed to withstand surges, extreme events can sometimes cause internal damage.
- **Cleaning:** If necessary, gently clean the exterior of the arrester with a damp cloth to remove dirt or debris. Do not use abrasive cleaners or solvents.
- **Replacement:** If the arrester shows signs of damage or malfunction, it should be replaced immediately to ensure continued protection of your electric fence system.

8. TROUBLESHOOTING

This section addresses common issues you might encounter with the electric fence arrester.

Problem	Possible Cause	Solution
Electric fence still damaged after surge.	• Improper grounding. • Arrester damaged or failed. • Surge exceeded arrester capacity. • Incorrect installation.	• Verify ground rod connection and integrity. • Inspect arrester for visible damage; replace if necessary. • Ensure arrester specifications match fence system requirements. • Review installation steps for correctness.
Arrester shows signs of physical damage (e.g., cracks, burns).	• Direct lightning strike. • Overload or repeated surges.	• Immediately disconnect power and replace the arrester. • Consider adding additional arresters or improving grounding.
Loose connections at the arrester terminals.	• Vibration or improper tightening during installation. • Corrosion.	• Disconnect power, then tighten all connections securely. • Clean any corrosion and re-secure.

9. WARRANTY AND SUPPORT

Zerodis products are manufactured to high-quality standards. For specific warranty information, please refer to the documentation provided with your purchase or contact your retailer. If you encounter any issues or require technical assistance, please contact Zerodis customer support through their official channels or the retailer from whom the product was purchased.

Keep your purchase receipt as proof of purchase for warranty claims.

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This manual is for informational purposes only. Zerodis is not responsible for any damages or injuries resulting from improper installation or use of this product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question