

horizont ABN60

horizont ABN60 Electric Fence Energizer User Manual

Model: ABN60 (Manufacturer Reference: 10983)

1. INTRODUCTION

Thank you for choosing the horizont ABN60 Electric Fence Energizer. This device is designed to provide reliable and efficient electric fencing for various animals, including horses, cattle, wild boar, cats, and dogs. With its versatile power options (9V, 12V, 230V) and integrated energy-saving circuit, the ABN60 is an ideal solution for fence lengths up to 6.5 km (or 4.5 km with medium vegetation).



Image 1.1: The horizont ABN60 Electric Fence Energizer. This image shows the compact black and yellow casing of the energizer, highlighting its control panel and branding.

2. SAFETY INSTRUCTIONS

Please read all safety instructions carefully before operating the device to ensure safe and proper use.

- Always disconnect the energizer from all power sources before performing any maintenance or making connections.
- Ensure proper grounding of the energizer as per local regulations to prevent electrical hazards.
- Do not install the energizer in wet or damp conditions unless it is specifically rated for such environments.
- Keep children and unauthorized personnel away from the electric fence.
- Use only recommended accessories and power adapters.
- Regularly inspect the fence and energizer for damage or wear.

3. PRODUCT OVERVIEW

The horizon ABN60 is a robust and versatile electric fence energizer designed for ease of use and durability. Its high-quality plastic casing is UV-stabilized, splash-proof, torsion-resistant, shock-resistant, and oil-resistant, ensuring long-lasting performance in various outdoor conditions.

3.1 Key Features

- **Flexible Power Options:** Can be connected simultaneously to a 230V mains power supply and a 12V battery. Supports interrupted operation and optional solar panel connection.
- **Energy Control LED Indicator:** A 3-level LED indicator provides quick battery capacity checks and shows the energizer's activity by flashing with each pulse.
- **Energy-Saving Circuit:** The special energy-saving circuit adapts the energizer's power consumption to the pasture fence conditions, reducing energy consumption, environmental impact, and costs.
- **Wide Animal Suitability:** Suitable for horses, cattle, wild boar, cats, and dogs.
- **Fence Length Capacity:** Effective for fence lengths up to 6.5 km (or 4.5 km with medium vegetation).

4. SETUP AND INSTALLATION

4.1 Power Supply Options

The ABN60 offers multiple power supply options:

1. **230V Mains Power:** Connect the energizer to a standard 230V AC outlet using the provided power adapter.
2. **12V Battery:** Connect a 12V DC battery to the designated terminals. Ensure correct polarity (+ to + and - to -).
3. **9V Battery:** For portable use, a 9V battery can be connected.
4. **Solar Panel (Optional):** The energizer is compatible with optional solar panels for continuous charging of a 12V battery. Refer to the solar panel's manual for specific connection instructions.

4.2 Connecting to the Fence

Follow these steps to connect the energizer to your electric fence system:

1. **Grounding:** Install a suitable ground rod (not included) deep into the soil, away from buildings and other grounding systems. Connect the energizer's ground terminal to the ground rod using a high-quality ground wire.
2. **Fence Connection:** Connect the energizer's fence output terminal to your electric fence line. Ensure all fence insulators are in good condition to prevent energy loss.
3. **Power On:** Once all connections are secure, connect the chosen power source to the energizer. The 'Energy Control' LED indicator should begin flashing.



Image 4.1: The horizon ABN60 energizer deployed in a pasture, connected to an electric fence protecting sheep. This illustrates a typical setup in an agricultural environment.



Image 4.2: The horizon ABN60 energizer securely mounted on a fence post, demonstrating a common installation method for stability and optimal performance.

5. OPERATION

5.1 Energy Control LED Indicator

The ABN60 features a clear LED indicator system for monitoring its status:

- **Green LED:** Indicates normal operation and sufficient battery capacity (if using battery power).
- **Yellow LED:** Indicates medium battery capacity, suggesting the battery may need recharging or replacement soon.
- **Red LED:** Indicates low battery capacity or a fault in the fence line (e.g., short circuit). Immediate attention is required.
- **Flashing:** The LED will flash in sync with the energizer's pulse, confirming that it is actively sending out electrical impulses.

5.2 Energy Saving Circuit

The integrated energy-saving circuit automatically adjusts the energizer's power output based on the fence conditions. This intelligent feature optimizes energy consumption, extending battery life and reducing operational costs, especially in situations with varying vegetation or fence loads.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your horizont ABN60 energizer:

- **Cleanliness:** Keep the energizer clean and free from dust, dirt, and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Connections:** Periodically check all electrical connections (power, fence, ground) to ensure they are secure and free from corrosion.
- **Battery (if applicable):** If using a 12V battery, monitor its charge level using the LED indicator. Recharge or replace the battery as needed. For long-term storage, disconnect the battery.
- **Fence Line:** Regularly inspect the entire fence line for breaks, shorts, or excessive vegetation touching the wires, which can reduce energizer effectiveness.
- **Storage:** When not in use for extended periods, store the energizer in a cool, dry place, disconnected from all power sources.

7. TROUBLESHOOTING

If you encounter issues with your ABN60 energizer, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Energizer not pulsing / No LED activity	No power supply; Faulty connection; Dead battery.	Check power source (mains/battery). Ensure all connections are secure. Recharge or replace battery.
Red LED flashing	Low battery; Short circuit on fence line; Heavy vegetation.	Recharge/replace battery. Inspect fence for shorts (e.g., broken insulators, wire touching ground). Clear excessive vegetation.

Problem	Possible Cause	Solution
Weak pulse / Animals crossing fence	Poor grounding; Fence shorting; Insufficient energizer power for fence length/vegetation.	Improve grounding (add more ground rods). Find and fix fence shorts. Ensure energizer is suitable for your fence size and conditions.
Energizer making unusual noises	Internal fault.	Disconnect power immediately. Do not attempt to repair. Contact customer support.

8. TECHNICAL SPECIFICATIONS

Key technical details for the horizont ABN60 Electric Fence Energizer:

Specification	Value
Model Number	ABN60 (10983)
Manufacturer	horizont
Input Voltage	9V / 12V / 230V
Output Voltage (Max)	11000 V
Stored Energy	0.65 Joule
Effective Fence Length (Medium Vegetation)	Up to 4.5 km
Maximum Fence Length	Up to 6.5 km
ASIN	B09WJB3Z23
Date Listed on Amazon.com.be	March 25, 2022
Spare Parts Availability	Information not available

9. WARRANTY AND SUPPORT

horizont products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official horizont website. If you require technical assistance, have questions about installation, or need to report a fault, please contact horizont customer support. Keep your purchase receipt as proof of purchase for any warranty claims. For further assistance, please visit the horizont brand store on Amazon or their official website.

Related Documents - ABN60

	<p>Bedienungsanleitung farmer ABN30 & ranger ABN60 Elektrozaungerät</p> <p>Umfassende Bedienungsanleitung für die Horizont farmer ABN30 und ranger ABN60 Elektrozaungeräte. Enthält Anleitungen zu Montage, Inbetriebnahme, Betrieb mit Batterien, Netzadapter und Solarmodulen sowie Wartungstipps.</p>
	<p>Horizont farmer AN500 Electric Fence Energizer Instruction Manual</p> <p>This instruction manual provides detailed guidance for the Horizont farmer AN500 electric fence energizer, covering installation, operation, maintenance, and safety instructions for effective pasture fencing.</p>
	<p>Horizont farmer ABN30 & ranger ABN60: Originalbetriebsanleitung</p> <p>Umfassende Originalbetriebsanleitung für die Horizont farmer ABN30 (Typ 10891) und ranger ABN60 (Typ 10983) Elektrozaungeräte. Enthält Anleitungen zu Montage, Inbetriebnahme mit Batterien, Akkus, Netzadaptern und Solarmodulen sowie Wartungshinweise.</p>
	<p>Horizont shockstar S40/S70 Electric Fence Energizer User Manual</p> <p>This manual provides comprehensive instructions for the Horizont shockstar S40 and shockstar S70 electric fence energizers. It covers assembly, connection, commissioning, power options (9V battery, 12V accumulator, solar panel, mains adapter), technical specifications, maintenance, and safety guidelines.</p>
	<p>Horizont Trapper N15 Electric Fencer: Installation, Operation, and Safety Manual</p> <p>This manual provides detailed instructions for the Horizont Trapper N15 electric fencer, covering installation, operation, grounding, maintenance, and technical specifications. It is designed for safe and effective use in livestock management.</p>
	<p>Horizont Ranger T40-B-E Electric Fence Conductor Material Safety Instructions</p> <p>Essential safety guidelines for Horizont Ranger T40-B-E electric fence conductor material, detailing risks of electric shock and strangulation. Read before use.</p>