

AKO N 3000

AKO Power Profi N 3000 Electric Fence Energizer User Manual

Model: N 3000 | Manufacturer Reference: 372803

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your AKO Power Profi N 3000 electric fence energizer. Please read these instructions carefully before installation and use.

Product Overview

The AKO Power Profi N 3000 is a powerful 230V electric fence energizer designed for various livestock applications. It is suitable for fences with light to medium vegetation.

- Manufactured in Germany.
- Universally applicable for horses, cows, sheep, goats, and chickens.
- Equipped with two fence outputs (strong / weak).
- Microprocessor controlled for reliable performance.



Image: The AKO Power Profi N 3000 electric fence energizer unit, showing its robust casing and connection terminals.

2. IMPORTANT SAFETY INSTRUCTIONS

Always follow these safety guidelines to prevent injury and ensure proper operation.

- This energizer is designed for outdoor use with electric fences for animal control.
- Do not connect the energizer to the mains supply until all fence and earth connections are made.
- Ensure the energizer is protected from rain and direct sunlight.
- Disconnect the energizer from the mains before performing any maintenance or repairs.
- Do not operate the energizer if it is damaged.
- Keep children and unauthorized persons away from the electric fence.
- Manufactured according to European safety standard EN60335.

3. SETUP AND INSTALLATION

3.1 Package Contents

Verify that all components are present:

- 1 x AKO Power Profi N 3000 Electric Fence Energizer
- 1 x User Manual (this document)

3.2 Mounting the Energizer

Choose a dry, sheltered location, protected from weather elements. Mount the energizer securely to a wall or post using appropriate fasteners.

3.3 Earthing System

A proper earthing system is crucial for effective fence operation.

1. Drive at least one galvanized earth stake (minimum 1 meter long) into moist ground, away from building foundations.
2. Connect the energizer's earth terminal (usually green or black) to the earth stake using a high-quality galvanized lead-out cable.
3. For longer fences or dry conditions, additional earth stakes may be required.

3.4 Fence Connections

The energizer features two fence outputs:

- **Strong Output:** For standard fence lines requiring maximum power.
 - **Weak Output:** For shorter fence lines or areas where reduced power is desired.
1. Connect the desired fence output terminal (usually red or marked with a lightning bolt) to your fence line using insulated high-voltage cable.
 2. Ensure all connections are tight and secure to minimize power loss.

3.5 Power Connection

Once all fence and earth connections are complete:

1. Connect the energizer to a standard 230V mains power outlet.
2. The indicator light on the energizer should illuminate, indicating operation.

4. OPERATION

4.1 Turning On/Off

The AKO Power Profi N 3000 operates continuously when connected to the mains power. To turn off, simply disconnect from the power outlet.

4.2 Monitoring Fence Performance

The energizer typically has an indicator light that flashes with each pulse, confirming operation. Regularly check the fence line for shorts caused by vegetation or damaged insulators.

4.3 Output Selection

Use the strong output for most applications. The weak output can be used for smaller enclosures or when less deterrent is needed.

5. MAINTENANCE

- Regularly inspect the fence line for vegetation growth that may short out the fence. Clear any growth as needed.
- Check all connections (earth, fence, power) periodically to ensure they are secure and free from corrosion.
- Keep the energizer unit clean and free from dust and debris. Do not use harsh chemicals for cleaning.
- Inspect earth stakes and connections for corrosion.
- In winter, ensure the energizer is protected from extreme cold and moisture.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Energizer indicator light off	No power supply; faulty energizer	Check mains power connection; test outlet; contact support if energizer is faulty
Weak fence pulse	Poor earthing; fence shorting; long fence line	Improve earthing system; clear vegetation; check insulators; reduce fence length or add another energizer
No pulse on fence	Broken fence wire; faulty connection	Inspect fence for breaks; check all connections

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	N 3000
Manufacturer Reference	372803
Power Supply	230V
Power Consumption	6 W
Output Voltage (no load)	8300 V
Output Voltage (at 500 Ohm)	4700 V
Stored Energy	4.70 J
Output Energy	3.00 J
Max. Fence Length (no vegetation)	80 km
Max. Fence Length (light vegetation)	25 km
Max. Fence Length (medium vegetation)	4.5 km
Max. Fence Length (heavy vegetation)	2.0 km
Package Dimensions	36 x 25.8 x 11.2 cm
Weight	2 kg
Number of Items	1
ASIN	B004LLMHUA

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The AKO Power Profi N 3000 electric fence energizer comes with a 3-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

Please retain your proof of purchase.

8.2 Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact your AKO dealer or visit the official AKO website for support contact information.