Learn more about fencing by visiting our websites at:

zarebasystems.com
blitzerfencing.com
AmericanFarmworks.com
fishock.com
**BEFORE YOU START**

▲ **WARNING:** Read ALL these instructions. Only use electric fence energizer products for the purpose intended as defined in this manual.

▲ This controller must be grounded. If it should malfunction or break down, grounding reduces the risk of electrical shock by providing a path of low resistance for the electric current. Grounding this product is provided by properly installed ground rod electrically connected to the fence controller output ground terminal.

▲ To reduce the risk of electric shock, an AC line operated fence controller has an polarized plug (one blade wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

▲ To reduce risk of electrical shock do not remove cover. Refer to service personnel.

▲ Never electrify barbed wire! The barbs may injure animals if they become tangled in the fence.

▲ Always disconnect battery-powered fence controllers from the battery before recharging the battery. Failure to do so may damage your fence controller and battery charger, and void your warranty.

▲ Never run more than on fence controller on the same fence line at one time. The pulses of short shock solid state fence controllers will be too close together and may be hazardous to animals and people. It will also damage your fence controllers.

▲ Instruct all persons how to disconnect a fence controller in case of emergency. Post signs on electric fences along public roads or near residences.

▲ Never disconnect wires or approach a fence during lightning storms.

▲ **WARNING:** Risk of electric shock! Do not connect an electric fence to any other device such as a cattle trainer or a poultry trainer. Otherwise lightning striking your fence will be conducted to all other devices.

▲ Never connect a DC fence to an AC power supply.

▲ **WARNING:** Energizers requiring an external ground must be properly grounded.

▲ **WARNING:** Many AC energizers are internally grounded and are equipped with polarized 2 prong plugs. These plugs must never be altered and must be inserted into a properly installed, appropriate outlet. Only use a polarized extension cord. Damaged polarized plugs must be replaced with polarized plugs. Failure to follow this warning could create a safety hazard, damage the energizer, and void the warranty.

▲ Install fence lines powered by separate fence energizers far enough apart to prevent contact with both fence lines at the same time. Simultaneously touching two fences powered by separate energizers could be hazardous.

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▲ In a double-insulated energizer, two systems of insulation are provided instead of grounding. No means of equipment ground is provided in the supply cord of a double-insulated energizer, nor should a means for equipment grounding be added to the energizer. Servicing of a double-insulated energizer requires extreme care and knowledge of the system, and should be done only by a service personnel.

Replacement parts for a double-insulated energizer must be identical to the parts they replace.
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FENCE ENERGIZER INSTALLATION

Overview of Installed Fence Energizer

Power Source

Ground Connection

Fence Connection

(6-volt or 12-volt deep cycle marine battery not included)

Power Source

(Internal Battery)

Ground Connection

Fence Connection

Power Source

(Internal Battery)
STEP 1: Mount Fence Energizer

IMPORTANT: Mount inside or in a waterproof enclosure (Required for AC Energizers)

AC/DC Inside installation

AC Outdoor
Sheltered Installation

DC Outside
Installation

Solar T-Post Installation
(applicable for specific models)

Solar Wood Post Installation
(applicable for specific models)

Solar Wood Post Installation
STEP 2: Connect Ground and Fence Terminals

Your fence energizer will have one of two types of terminals - strip wire and connect as shown below.

20KV hook-up wire

- or -

Connect hook-up wire to GROUND terminal

Connect hook-up wire to FENCE terminal

Note: Wire to metal contact is essential when hooking up your ground and fence terminal.

STEP 3: Connect to Ground System

Hook-up wire from fence energizer to ground terminal

Ground rod clamp

Ground rod

Ground rod clamp

Ground rod

Hook-up wire from fence energizer

10'

10'

10'

Hook-up wire to other ground rods
STEP 4: Connect to Fence Line

Aluminum/Steel/Poly wire connection

Poly tape connection

Galvanized line clamp

Poly tape connector clamp

STEP 5: Power Fence Energizer

NOTE: Fence energizer will be outputting voltage at this point - to avoid shock do not touch fence terminal or fence wire.

* For AC energizers, power fence by plugging power cord into 110V outlet.

* For DC energizers, power fence by connecting alligator clips to a 6 or 12-volt rechargeable deep cycle marine battery.

* For Solar energizers, power fence by turning on/off switch to the ON position.

IMPORTANT: Solar energizers must be placed in the sun and turned off for three days before use in order to ensure the battery has a sufficient charge to power your fence. Failure to charge for three days could result in decreased performance.
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100 yards

To fence
energizer
(GROUND
Terminal)

To fence
energizer
(FENCE Terminal)

Push probe into
ground

Testing Ground System

1 Short the fence using a metal bar or wire

2 Touch ground rod with tester. If reading is over 400 volts, grounding is inadequate. Add additional ground rods 10 feet apart connected by hook-up wire until reading is under 400 volts.

How Electric Fencing Works

The system works when an animal provides an electrical path by touching the fence wire and the earth simultaneously. The electricity then passes through the animal, into the soil and back to the ground rods, which are connected to the fence energizer. At that point the circuit is complete and the animal instantly receives an electrical shock.

Fence Energizer

20 KV Insulated Hook-up Wire

20 KV Insulated Hook-up Wire

Ground System

Copper or Galvanized metal ground rods driven at least 6’ deep, spaced 10’ apart.

Moist Soil

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**Testing Hook-up Wire**

1. Push probe into ground
2. Touch tester contacts to hook-up wire.

To test the hook-up wire, remove fence energizer power source (unplug or disconnect from battery) and disconnect the hook-up wire from the fence line. Power fence energizer and then check hook-up wire as shown.

**Testing Fence Line**

1. Push probe into ground
2. Touch fence contacts to fence wire. For poly tape, insert between contacts and rotate 1/4 turn.

Voltage is displayed while maintaining contact with the fence line.

**Testing Fence Energizer**

Remove fence energizer power source (unplug or disconnect from battery) and disconnect the fence and ground wires. Reconnect the energizer to its power source and touch metal bolts of the ground and fence terminals with ground and fence prong from a tester.

If output is less than 2,000 volts, there may be a fence energizer problem call us at 855-592-7322
30-DAY FULL WARRANTY
Woodstream guarantees your satisfaction. You can return product with receipt to the place of purchase within 30 days for a full refund. Proof of purchase is required for a full refund.

LIMITED WARRANTY
Woodstream warrants energizers based on their milage rating from the date of purchase (or date of manufacture if proof of purchase is not provided) against defects in materials and workmanship, and from damage caused by lightning. Visit our website at www.zarebasystems.com to learn more about the warranty that applies to the specific energizer purchased.

For any sized energizer, retain your receipt for proof of purchase or register your energizer online at www.zarebasystems.com immediately after purchase. Also, please reference the web page for a list of Certified Repair Centers and instructions on returning fence controllers for service.

TERMS APPLICABLE TO BOTH 30-DAY RETURN POLICY AND THE LIMITED WARRANTY. Neither the 30-day return policy nor the limited warranty applies to any defect caused by improper installation, misuse, product alterations, tampering, neglect or any similar reason not related to product malfunctions or defects in the materials or workmanship of the product. The 30-day return policy and the limited warranties are given only to the original purchaser of the product and not to any subsequent owners or to any other user or person when installed and used in accordance with the instructions found in the owner’s manual. No person is authorized to grant any warranty additional to or different from this written warranty.

To make a warranty claim, you must contact Woodstream Corp. at 800-800-1819 or zarebasystems.com regarding defective product or parts during the warranty period or contact one of the Certified Repair Centers listed on zarebasystems.com

If you have not registered your energizer online immediately after purchase, you may need to provide additional information such as, your name, mailing address, proof of purchase date and a description of the problem. If the defect is covered by the limited warranty, Woodstream Corp. or a repair center will repair or replace (at its option) the defective product or parts.

NEITHER THE SELLER NOR THE MANUFACTURE SHALL HAVE LIABILITY FOR ANY ACCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM OR CAUSED BY ANY DEFECT, FAILURE OR MALFUNCTION OF ANY PRODUCT.
SERIAL NUMBER INFORMATION
The serial number for all Woodstream Corp. fence energizers will go to a 12 digit serial number. The format for the 12 digit serial number is as follows:

EC        XX          XX          XX            XXXX
Category   Year        Month       Day          Serial number

If no sales receipt is provided with the return, we will use the date of manufacture shown in the serial number.

Please contact Woodstream Corp. for all warranty claims or returns:
Woodstream Corp.
69 North Locust Street
Lititz, PA 17543
855-592-7322

LIMITATION OF DAMAGES
The directions for use of this product should be followed carefully. It is impossible to eliminate all risk inherently associated with use of the product. The effectiveness of Woodstream brands of fence controllers may depend on the effectiveness of connections, interruption of power source, accidental grounding of wires, weather conditions or the manner of use or application, all of which are beyond the control of Woodstream or the seller. All such risks shall be assumed by the buyer.

Woodstream warrants that this product is reasonably fit for the purposes referred to in the directions for use, subject to the inherent risks referred to above. Woodstream makes no other expressed or implied warranty of fitness or merchantability or any other expressed or implied warranty. IN NO CASE SHALL WOODSTREAM AND THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. WOODSTREAM AND THE SELLER OFFER THIS PRODUCT AND THE BUYER AND USER ACCEPT IT, SUBJECT TO THE FOREGOING CONDITIONS OF SALE AND WARRANTY WHICH MAY BE VARIED ONLY BY AGREEMENT IN WRITING SIGNED BY AN OFFICER OF WOODSTREAM.

Some states, however, do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state.