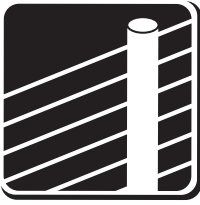


\*\*\*READ ALL INSTRUCTIONS\*\*\*



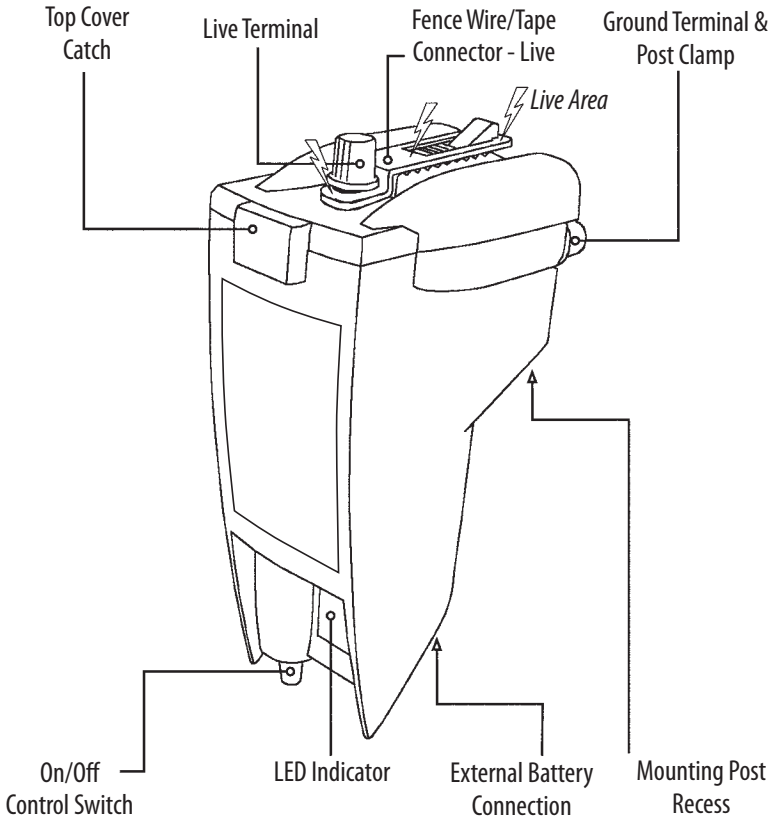
# KENCOVE

## FARM FENCE SUPPLIES

# KF350B



High Performance Fence Energizer with 4 internal D cell batteries or external 12V. Powers up to 35 acres or 15 miles of multi-wire overgrown fence.



## **SAFETY CONSIDERATIONS**

### **IMPORTANT - READ THE FOLLOWING SAFETY CONSIDERATIONS CAREFULLY:**

1. **WARNING: DO NOT CONNECT ENERGIZER SIMULTANEOUSLY TO A FENCE AND 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.**
2. **CAUTION: RISK OF ELECTRIC SHOCK.** Do not install where small children, the elderly or unhealthy persons may come in contact with the live portions of electric fencing. Use Electric Fence Warning Signs wherever humans may come in contact with the fence.
3. **NEVER** electrify barbed wire or loose fencing materials that risk entanglement of a human or animal. Exposure to continuous or multiple shocks is very dangerous.
4. **STAY AWAY** from the fence energizer and from the fence line just before and during lightning storms.
5. **FOLLOW** all national, state and local regulations that may apply to installation of electric fence.
6. **REFER TO AUTHORIZED REPAIR CENTER FOR SERVICE.** There are no user serviceable parts. Never alter the design of the energizer. Doing so is hazardous and will void the warranty.
7. **NEVER** put more than one energizer on a fence. Doing so is dangerous because it may reduce time off between pulses, may damage the energizer and will invalidate the warranty.
8. **DO NOT** run fence wire above ground near high voltage power lines. If too close, the electric fence may pick up dangerous levels of power from the high voltage lines. Never cross under a high voltage line with electric fence.
9. **ALWAYS** maintain an adequate ground system securely attached to the energizer.
10. **NEVER** charge a battery that is connected to a fence energizer. Always disconnect the battery from the energizer first.

## **KEYS TO SUCCESSFUL ENERGIZER INSTALLATION**

Take care of the following details and you will save many hours of labor time.

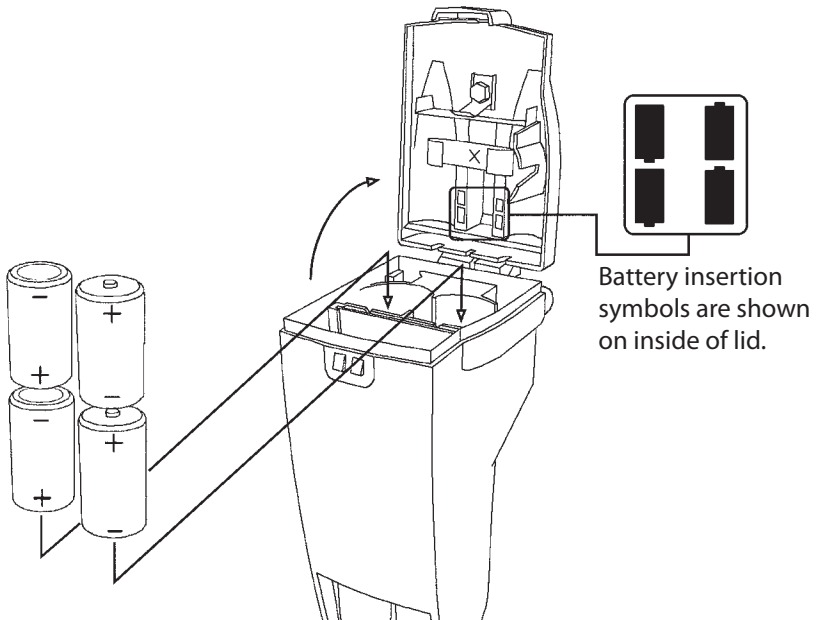
1. Use the correct size energizer. If your energizer is underpowered for the fence condition and application you want to energize, your electric fence will not work.
2. Carefully install a complete ground system. Most electric fencing failures are due to improper grounding.
3. Take time to properly connect lead out wire, ground wire and fence

line splices. This is the second most common cause of electric fence failure. Use clamps, split bolts and taps. Make sure all connection surfaces are of bare shiny metal.

4. When using wire for fence and earth connections, use adequately insulated hook-up or underground wire (rated for at least 20,000 volts) for lead out wires to ground and fence and anywhere the hot wire must travel underground. Never use standard household insulated wire, which is generally rated at only 600 volts or less.
5. Maintain proper distances from buried and above ground: utility company ground rods, water pipes, metal siding, & telephone wire.
6. Use an Electric Fence Volt Meter to periodically check the condition of your fence and to diagnose and repair shorts, poor connections and inadequate ground conditions.
7. Finally, it is important that an animal's first experience with an electric fence shock is one of respect or fear. Some animals require more than one shock experience for lasting respect of the fence line. Always train the animal to the fence by insuring that the animal's first approach to the fence is slow and that an effective repelling shock is experienced.

## INTERNAL BATTERY INSTALLATION

Both models operate with either 4 D cell batteries or an external 12V battery. Open Top Cover catch with fingernail or flat screwdriver and rotate Top Cover backwards until free. Insert the 4 D cells as shown with the '+' facing down in the left column and the '+' facing up in the right column.

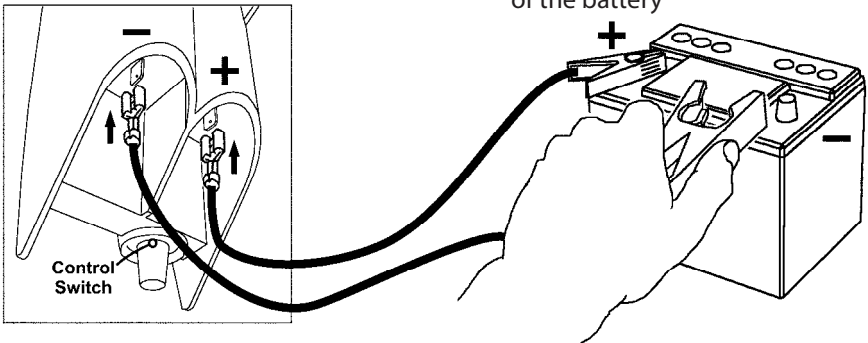


## EXTERNAL BATTERY INSTALLATION

This energizer is able to operate with an external 12V battery. To connect the external battery, first remove the internal D cells. Connect the wires provided to the underside of the unit using flat female connectors. The '+' on the same side as the control switch and the '-' on the other.

**\*\*\*WARNING\*\*\***  
INTERNAL BATTERIES MUST  
BE REMOVED BEFORE  
EXTERNAL BATTERY IS  
CONNECTED

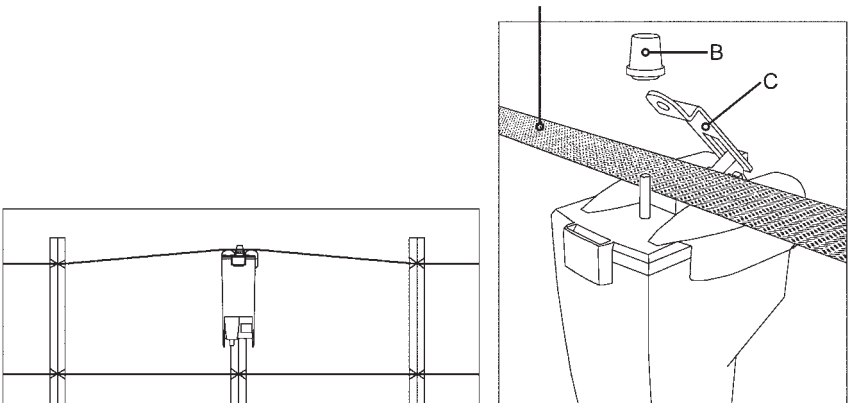
Use the battery clips to connect to the corresponding terminal of the battery



## TAPE/WIRE CONNECTION

To connect the fence wire or tape, loosen the Live Terminal Knob (B) and remove. Lift up the Fence Wire Clamp (C) and place the fence wire or tape underneath. Replace the Fence Wire Clamp (C) and Terminal Knob (B) and tighten sufficiently until a good connection is achieved. Do not overtighten.

Fence Tape or Wire



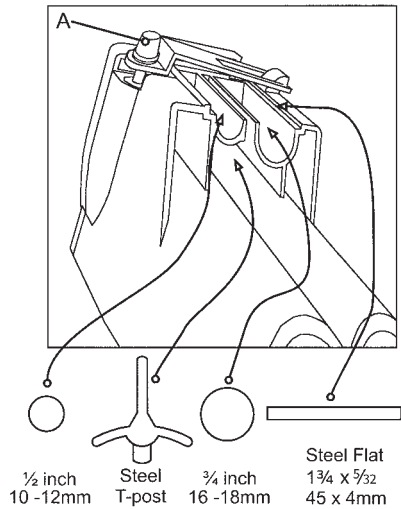
## POST MOUNTING METHODS

This energizer can be mounted to 4 different types of posts. On the back are various channels for this use.

Loosen the Post/Ground Terminal Knob (A) to allow the post to slide into place. Follow the guide below for specific post location.

Tighten the Ground Terminal Knob (A) to clamp the energizer to the post.

You can ground the energizer with a metal mounting post. It is necessary to clean off dirt, grease and paint from the end in contact with the post clamp and the end in the earth.



Non-conductive posts will not provide an adequate ground connection and therefore a separate ground wire will be required. See section below.

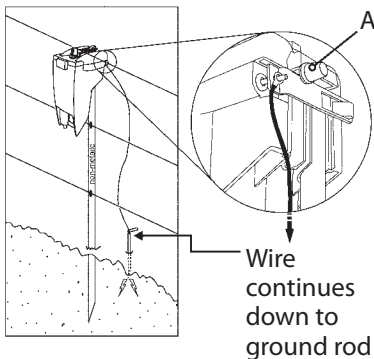
## GROUND CONNECTION METHODS

**\*\* Important: This energizer has to have a ground connection to operate correctly\*\***

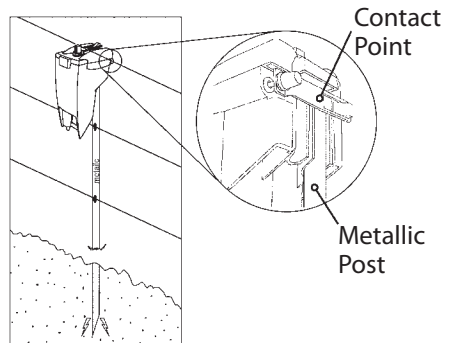
It is possible to ground this energizer either through:

- The fence post if it is metal or,
- Ground wire and ground rod when using nonmetallic post.

If using a ground wire, remove the Ground Terminal Knob (A) and attach the wire around the bolt. Replace the Ground Terminal Knob and tighten. Insert the ground rod into the earth.



If using the metal post method, it may be necessary to clean any paint, dirt or grease from the top of the post where it touches the post clamp and also from the post where it contacts the earth.



## SPECIFICATIONS & FUNCTION

This energizer has an LED (light emitting diode). The LED flashes once for every pulse. If the supply voltage drops below approximately 3.1V the LED starts to blink rapidly with weak light flashes. This indicates the battery is low.

### TECHNICAL DATA

Power Source: Internal 4 x 1.5V D cell battery or external 12V battery.

Current Consumption: Approx. 20-40mA dependent on operating conditions.

Pulse Rate: 20 - 60 pulses per minute.

Output Energy: 70 - 360 mJ dependent on operating condition @ 500 Ohm.

Operating Temperature: 14 to 122°F (-10 to 50°C).

### BATTERY LIFE TABLE

This table shows the average battery life when using 4 D cell alkaline batteries.

<i>Pulses Per Minute</i>				
60	50	40	30	20
3 weeks	4 weeks	5 weeks	6 weeks	9 weeks

Note: 40 pulses per minute is a common setting.

Note: Battery life will be shortened at colder temperatures.

**\*\*\*SAVE THESE INSTRUCTIONS\*\*\***

## WARRANTY

LIMITED WARRANTY - Kencove Farm Fence Supply offers a warranty on this fence energizer to the original purchaser for a period of three (3) years from the date of purchase, when installed and used in accordance with the enclosed installation instructions. You must retain your receipt for proof of purchase. This warranty covers defects in materials and workmanship to the fence energizer. The warranty also covers damage to the energizer caused by lightning and voltage spikes.

TERMS THAT APPLY TO THE WARRANTY - Improper installation, misuse, neglect and tampering of any kind are NOT covered under the Limited Warranty. Energizers returned under the Warranty will be inspected and if the problem is determined to be the result of incorrect voltage, neglect or abuse, then no warranty will be applied. No warranty other than the above is expressed or implied. Implied warranties of merchantability and fitness for a particular application are hereby disclaimed unless the law specifically precludes this disclaimer. The manufacturer and seller have no liability for damages, incidental or consequential, resulting from or caused by any failure, malfunction or defect of any product.

### TO MAKE A WARRANTY CLAIM –

1. First disconnect energizer from fence and confirm that voltage output at the energizer terminals is not normal using an electric fence voltmeter.
2. Energizers returned for warranty work must be accompanied by a copy of the original sales receipt/invoice and a note showing the customer name, phone number, return address (where the unit will be returned to) and a brief description of the problem.
3. Pack product carefully in oversized carton with crushed newspaper (or other appropriate packing materials) for cushioning.
4. The product should be shipped PREPAID and insured against shipping loss or damage.
5. Send Warranties to:  
Kencove Farm Fence  
344 Kendall Rd  
Blairsville, PA 15717