

O'BRIENS

RELIABLE FENCING PRODUCTS

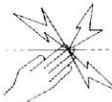
Solar Energizers

OB107414 OB107424 OB107434 v1.0 03/25



- Connecting leads shall not be installed in the same conduit as the mains supply wiring, communication cables or data cables.
- Connecting leads and electric animal fence wires shall not cross above overhead power or communication lines.
- Crossings with overhead power lines shall be avoided wherever possible. If such a crossing cannot be avoided it shall be made underneath the power line and as nearly as possible at right angles to it.
- If connecting leads and electric animal fence wires are installed near an overhead power line, the clearances shall not be less than those shown in the table following.
- Minimum clearances from power lines for electric animal fences

Power line Voltage V	Clearance ft
Less than or equal to 1 000	10
Greater than 1 000 and less than or equal to 33 000	12
Greater than 33 000	26

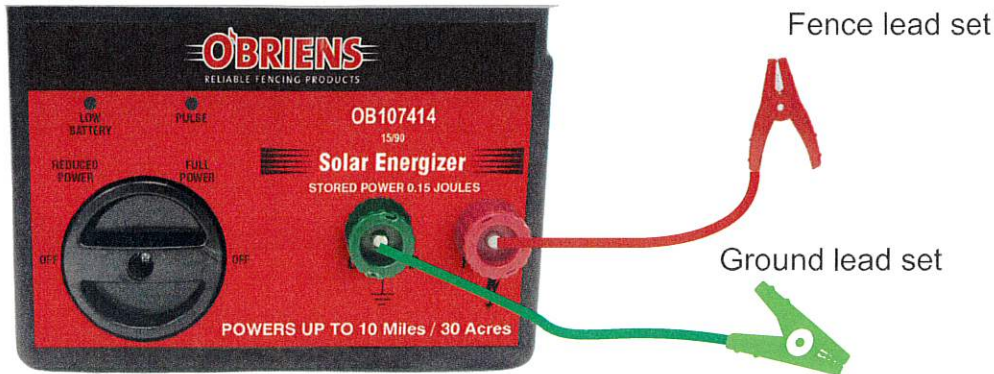
- If connecting leads and electric animal fence wires are installed near an overhead power line, their height above the ground shall not exceed 10 ft.
- This height applies either side of the orthogonal projection of the outermost conductors of the power line on the ground surface, for a distance of:-
 - 6.5 ft for power lines operating at a nominal voltage not exceeding 1 000 V;
 - 49 ft for power lines operating at a nominal voltage exceeding 1 000 V.
- Electric animal fences intended for deterring birds, household pet containment or training animals such as cows need only be supplied from low output energizers to obtain satisfactory and safe performance.
- In electric animal fences intended for deterring birds from roosting on buildings, no electric fence wire shall be connected to the energizer earth electrode. A warning sign shall be fitted to every point where persons may gain ready access to the conductors.
- Fence wiring should be installed well away from any telephone or telegraph line or radio aerial.
- Where an electric animal fence crosses a public pathway, a non-electrified gate shall be incorporated in the electric animal fence at that point or a crossing by means of stiles shall be provided. At any such crossing, the adjacent electrified wires shall carry warning signs.
- Any part of an electric animal fence that is installed along a public road or pathway shall be identified by electric fence warning signs at regular intervals that are securely fastened to the fence posts or firmly clamped to the fence wires.
- The size of the warning sign shall be at least 4 inches x 8 inches.
- The background colour of both sides of the warning sign shall be yellow. The inscription on the sign shall be black and shall be either:
 - the substance of "CAUTION: Electric Fence" or,
 - the symbol shown: 
- The inscription shall be indelible, inscribed on both sides of the warning sign and have a height of at least 1 inch.
- Ensure that all mains operated, ancillary equipment connected to the electric animal fence circuit provides a degree of isolation between the fence circuit and the supply mains equivalent to that provided by the energizer.
- Protection from the weather shall be provided for the ancillary equipment unless this equipment is certified by the manufacturer as being suitable for use outdoors, and is of a type with a minimum degree of protection IPX4.

This energizer complies with international safety regulations and is manufactured to international standards. O'Briens reserves the right to make changes without notice to any product specification to improve reliability, function or design. E & OE.

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Energizer Installation

Step 1. Connect the ground and fence lead sets



1. Undo the green ground terminal knob and place the ground ring over the bolt.
2. Tighten the green terminal firmly, securing the ground ring connection.
3. Repeat for the fence terminal knob, securing the fence lead into place.

Step 2. Mount the energizer

This energizer is designed to sit on top of a steel 'T' post.

- Place in a position preferably near the middle of the fence where the solar panel faces the equator (South) and that shade cannot cover the solar panel at any period during the day.
- Drive a 'T' post into the ground and slide the 'T' post into the groove at the rear of the energizer.

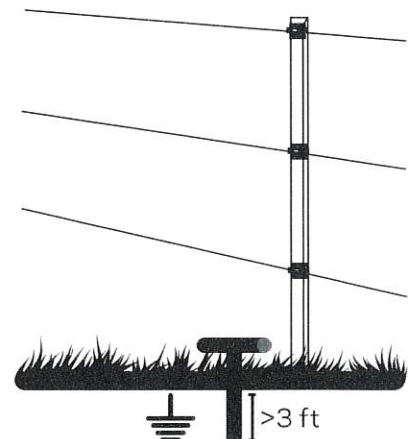
DO NOT allow the energizer to operate by sitting it on the ground, as water can enter the energizer if it becomes wet.

DO NOT operate the energizer by laying it on its back either on the ground or on some other object.

Step 3. Install the ground rod

1. Place the one or more ground rods near the energizer where the soil is damp.
2. Drive the ground rod at least 3-5 ft into the soil. Each ground rod should be 33 ft apart.

Note: The soil should be damp for optimal fence performance. In dry or sandy conditions, run an ground wire as well as the live wire as part of the fence, connect any existing fence to the ground rods, and drive in extra ground rods every 1 mile.



- If the battery voltage falls to approximately 11.5V the low battery light will give a double flash every pulse. Once the battery voltage falls to 11V the energizer will stop and the low battery light will stay illuminated.
- The energizer will start operating normally again when the battery voltage exceeds 12V. This cut-out is intended to protect the battery.

Recharging the battery

- Switch the energizer off. Place in the sunlight for 3 days.

Storing the energizer

- Switch the energizer off. Store in a well lit area so solar panel keeps battery charged. Recharge battery before and after storage
- Don't store the energizer for extended periods without periodically charging the battery. The battery will fail if left uncharged for long periods.

Disposing of the battery/energizer

- The battery must be removed from the energizer before the energizer is disposed.
- Lead acid batteries must be disposed of safely according to local regulations.

Troubleshooting

This energizer has built-in self testing.

- If the energizer pulse light flashes normally but there is no output, assume there is a problem with the fence.
- If there is a problem with the unit you will see multiple pulse light flashes with each pulse. Contact your local O'Briens Authorised Service Centre at:
www.obriensplastics.com/us

Warranty

O'Briens warrant all electric fence systems against defective workmanship and faulty materials for 2 years from the date of purchase.

A 12 month warranty applies to batteries in solar energizers. We undertake, at our option, to replace or repair free of charge each product, or part thereof, on condition that it is returned to an authorized agent or our factory freight prepaid, and found on examination to be suffering from material or constructional defect. We cannot be held responsible for any repair other than those carried out by us or our authorized agent.

A photocopy of your proof of purchase and a request for warranty must also be returned with the item.

This warranty is void if the product is subject to improper use or handling, incorrect power input voltage, damage through contact with chemicals, flooding, fire, explosion, excessive heat, insect damage and moisture damage. Damage to external wiring and wear and tear are excluded from warranty.