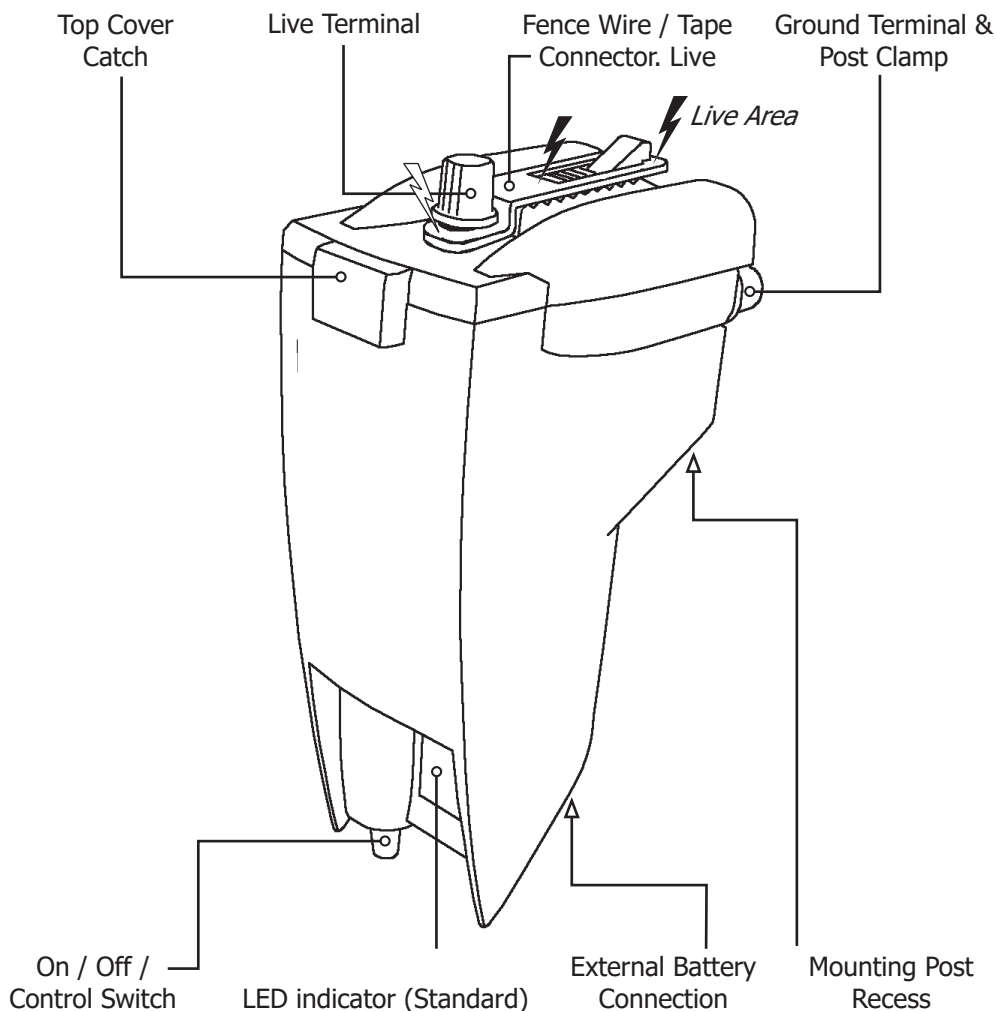


DUO-6

Battery Energiser powered with 4 x D-Cell Batteries or connect to 12v Rechargeable Battery. 0.35J Output - Powers up to 4000m (6 acres)

WARNING
Risk of Electric Shock



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Safety Considerations

IMPORTANT - READ THE FOLLOWING SAFETY CONSIDERATIONS CAREFULLY:

1. **WARNING: DO NOT CONNECT ENERGISER 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 AUTHORISED 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 energiser 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 energiser. Always disconnect the battery from the energiser first.

Included in the box



A : Energiser to Fence lead



B : Energiser to Earth lead



C : 12v Battery Leads

What you will need



Mount Post / Earth stake - Agrifence product code H4646.

Keys To Successful Energiser Installation

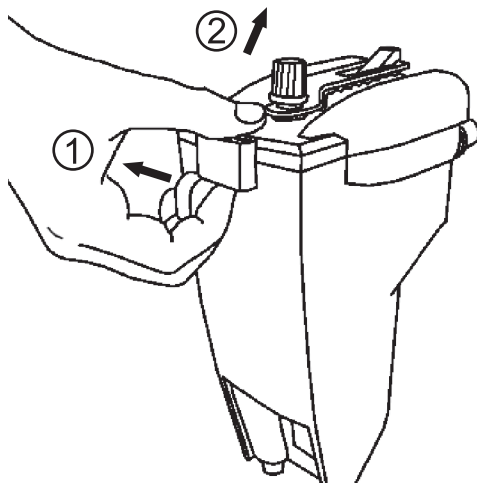
Please follow the following key steps to energiser installation to ensure no time is wasted in getting your energiser up and running.

1. Use the correct size energiser. If your energiser is underpowered for the fence condition and application you want to energise, 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 hotwire 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.

How To Open Battery Cover

To open the battery cover/door:

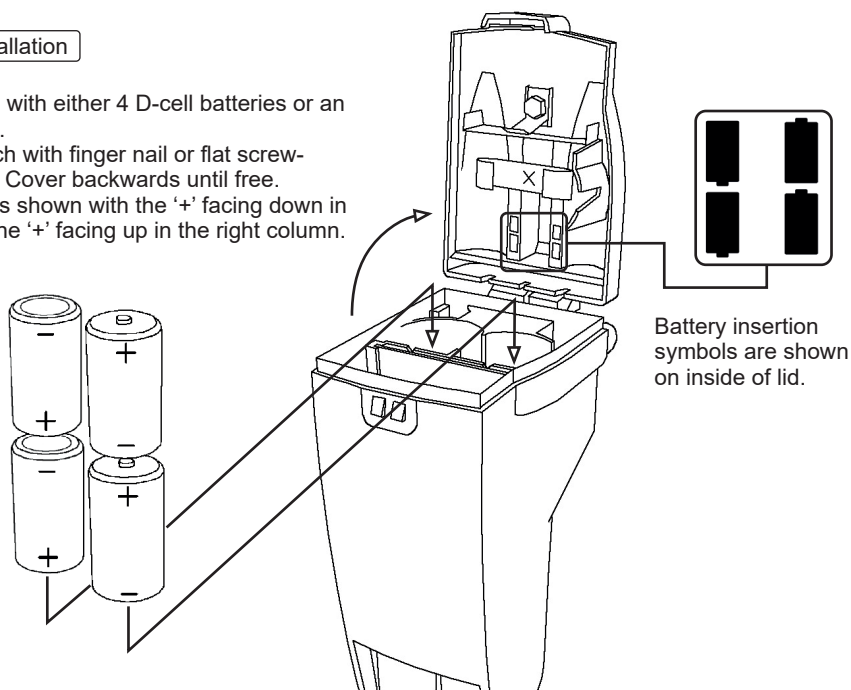
- 1). Use finger nail or a flat screw driver to lever catch
- 2). Rotate cover upwards until free.



Internal Battery Installation

Both models operate with either 4 D-cell batteries or an external 12V battery .

Open Top Cover catch with finger nail or flat screw-driver 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 connection

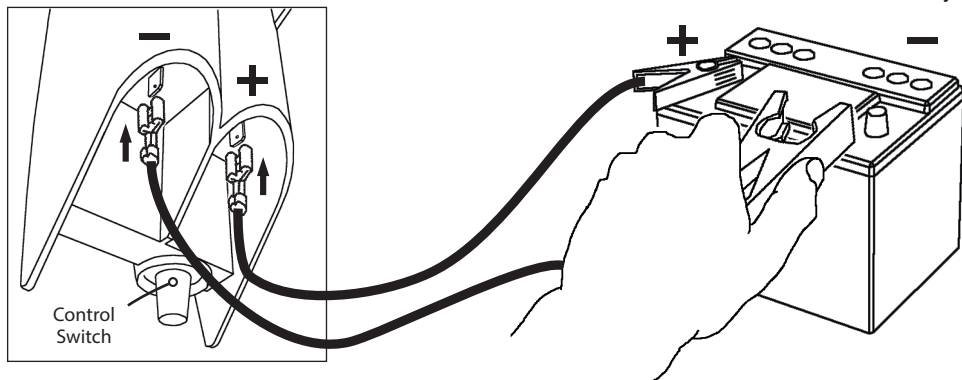
The Duo-6 is also able to operate with an external 12V battery - connecting 12v leads (C) are supplied

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



Post Mounting Methods

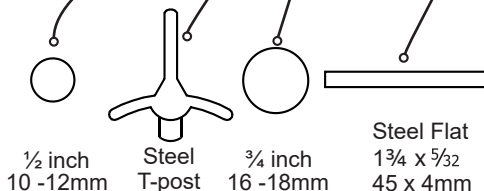
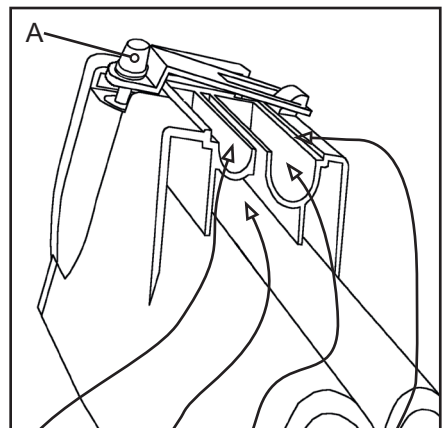
The Duo-6 can be mounted to 4 different types of posts. On the back are the various channels for this use.

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

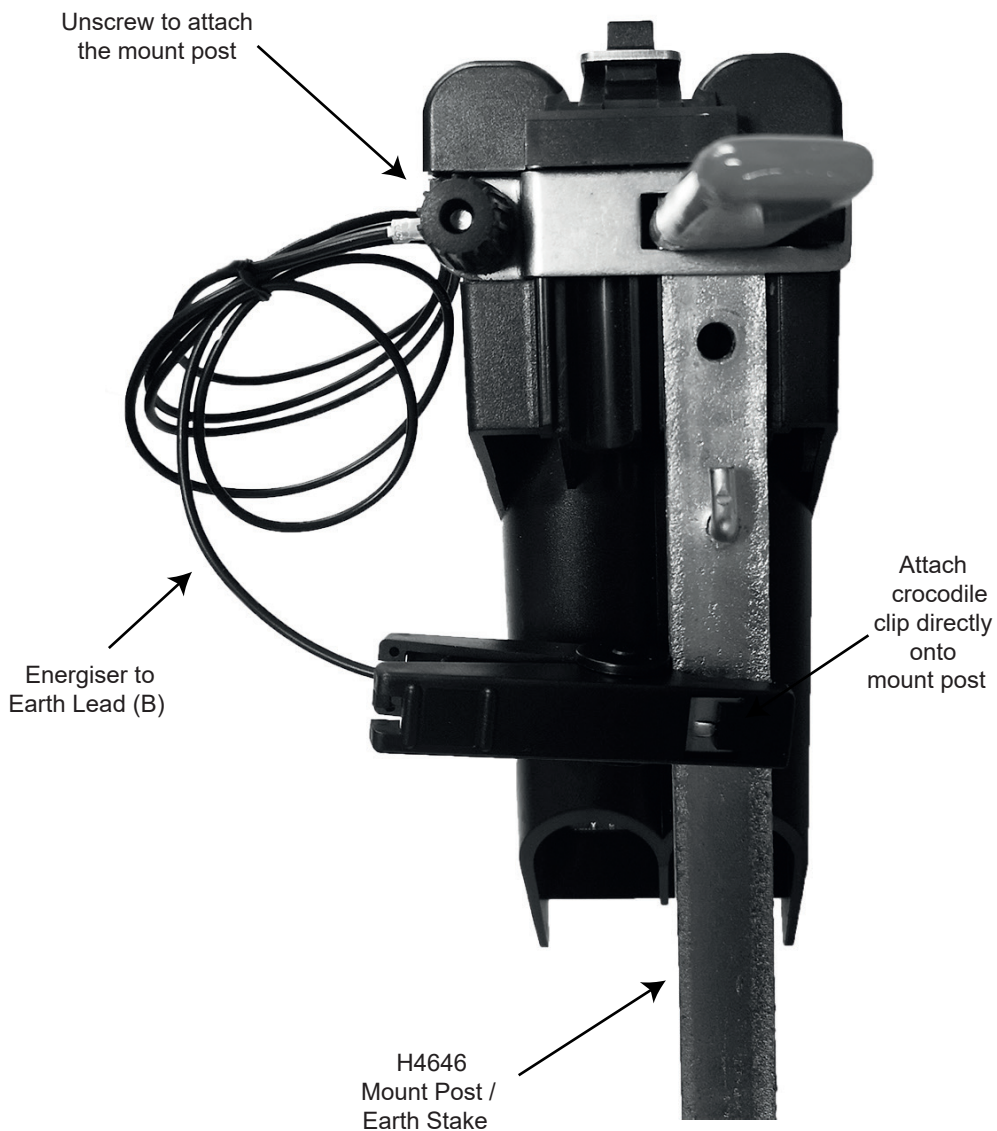
Tighten the Ground Terminal Knob (A) to clamp the Duo-6 to the post.

You can ground the Duo-6 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.

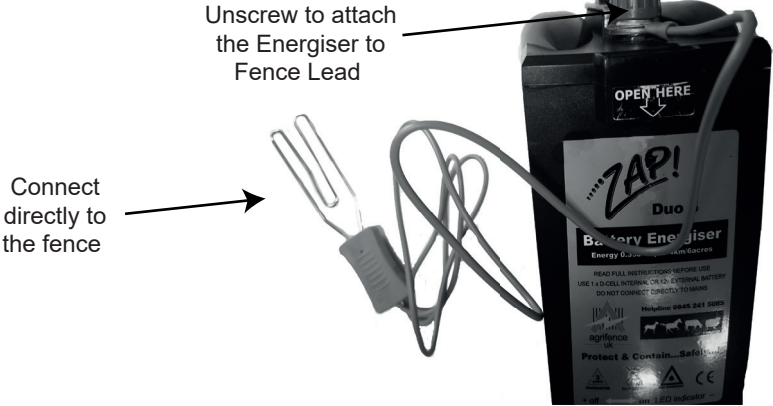
Non-conductive posts will not provide an adequate ground connection and therefore a separate ground wire will be required. See section below.



Connecting the mount post/earth stake



Connecting the energiser to the fence



Specification & Function

- Adjustable Pulse Rate from 20 - 60 pulses per minute.
- Increased energy output when operated from supply above 7V*
- Operates from 4 internal D-cell batteries or external 12V battery
- Protection against reversed battery.
- LED (light emitting diode).
- The LED flashes once for every pulse.

* When the external supply voltage is higher than 7V, the output energy is doubled. This results in a higher battery power consumption.

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 conditions @ 500 Ohm.
Operating Temperature:	14 to 122°F (-10 to 50°C).

Battery Life Tables

These tables show the average battery life when using 4 D cell alkaline batteries.

Note: 40 pulses per minute is a common setting.

Note: Battery life will be shortened at colder temperatures.

Pulses Per Minute				
60	50	40	30	20
3 weeks	4 weeks	5 weeks	6 weeks	9 weeks