

MAINS POWERED



Mains/Line Powered Energizer

Installation Instructions

Warning: Read all instructions



500

1000

1200

2400

3200

Build the fence (if required)

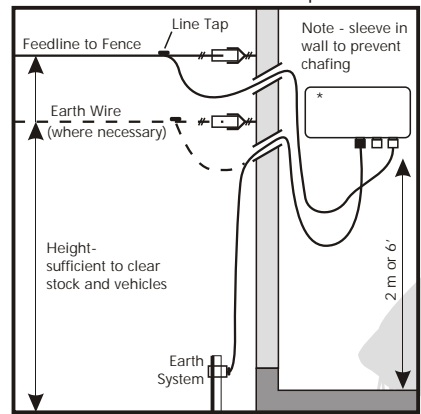
To optimise your new energizer's performance, ensure that your fence system is of a high standard, using high quality Speedrite accessory products where appropriate. Refer to the enclosed Speedrite Fence Manual for complete fence building instructions.

Install the earthing system

For optimum performance of your energizer a suitable earth system must be installed at least 10 m or 33' from other earth systems (ie. telephone or mains/line power circuit). Ideally Speedrite Earth Rods (SA067) or Speedrite Super Earth Kits (SA066) should be used, alternatively galvanised pipe or steel posts can be used as earth rods. Earth rods should be driven 2 m or 6' into the soil and spaced at least 3 m or 10' apart.

Total recommended minimum earth length	
Energizer Model	Number of 2 m 6' rods
Panther 500	1
Panther 1000	1
Panther 1200	1
Panther 2400	2
Panther 3200	2

Indoor Installation Option



* Panther 500 and 1000 should be installed vertically.

For complete earthing instructions refer to your Speedrite Fence Manual.

Attach the energizer to the wall (refer diagram above)

Select a suitable location, indoors or protected from the weather, about 2 m or 6' above floor level, or out of reach of children and near a power point.

Using the template supplied, fix two screws into the wall. Hang the energizer on the wall by locating screws into the keyholes provided on the back of the energizer. When correctly installed, the unit should hang level and flat against the wall.

Connect the earth and fence

Connect the energizer "Earth" (black) terminal to your earth system, preferably using a length of 2.5 mm (12.5 gauge) Speedrite Insulated Cable (SC005). Connect the Fence to the "Fence High Output" (red) terminal on the Panther 2400 and 3200 or "Fence" (red) terminal on the Panther 500, 1000 and 1200.

The "Fence Low Output" (yellow) terminal (Panther 2400 and 3200 only) can be connected to fences where high power is not required (eg. yard, barn or shed fences).

Connect the energizer to the mains/line outlet

USA and Canadian users please see the warning at the bottom of this page.

The "Power" light (Panther 1200, 2400 and 3200 only) will glow when power is being supplied to the energizer from the mains/line outlet.

The "Pulse" light will flash with each pulse, indicating that there is a pulse at the "Fence High Output" or "Fence" output terminal. The "Pulse" light will get dimmer as fence load increases, indicating that fence maintenance (eg. clearing vegetation from fence) is required.

Test your earth system

See the enclosed Speedrite Fence Manual.

Important service information

This energizer contains no user serviceable parts. Return to a Speedrite appointed service agent for repair.

If the supply cord of the energizer is damaged it must only be replaced by a Speedrite appointed service agent, as special tools are required.

These energizers use Double Insulation, where two systems of insulation are provided instead of grounding. No equipment grounding means is provided in the supply cord of a double-insulated energizer, nor should a means for equipment grounding be added to the energizer. Servicing a double-insulated energizer requires extreme care and knowledge of the system and should be done only by qualified service personnel. Replacement parts for a double-insulated energizer must be identical to the parts they replace. A double-insulated energizer is marked with the words "DOUBLE INSULATION" or "DOUBLE INSULATED" and/or the symbol.

Explanation of symbols that may be on the energizer



Indicates that, to reduce the risk of electric shock, the energizer should only be opened and/or repaired by qualified Speedrite appointed service personnel.



Indicates that an internal safety fuse is fitted to the energizer that must only be replaced by qualified Speedrite appointed service personnel.



Indicates that the energizer is of double insulated construction.

USA and Canada (110 - 120 V energizers)

WARNING: To reduce the risk of electric shock, the energizer has a 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.

Safety points and regulations

All energizers must comply with local standard requirements. These requirements may vary from country to country.

In areas prone to bush fires there may be a risk of fire caused by sparking from the fence. In high risk situations, if available, the Fence Low Output should be used, or the energizer should be turned off.

Barbed Wire should never be used for electric fencing.

Energizers should, if possible be installed inside a building in a position free from the risk of mechanical damage. If mounted outdoors they should be mounted on a substantial structure in a position free from risk of mechanical damage.

Avoid erecting a fence that runs parallel to or under power lines. Where this is unavoidable the crossing should be underneath the power lines and as near as possible at right angles to the lines.

If an electric fence has to be installed in the vicinity of an overhead power line, the vertical distance between any fence wire or connecting lead and the surface of the earth should not exceed 2 m (6 1/2').

Fence wiring should be installed so that it is well away from any telephone/telegraph line or radio aerial.

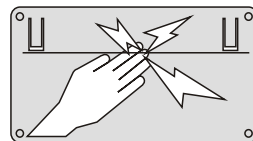
Each energizer should be connected to its own earth system and this should not be connected to any other earth system.

Do not connect more than one energizer to a single electric fence.

Do not connect the energizer simultaneously to a fence and to any other device such as a cattle trainer or poultry trainer, otherwise lightning striking your fence will be conducted to all other devices.

When an electric fence is installed where it might reasonably be expected to be touched by the public then warning signs must be attached. The warning sign must be at least 200 mm x 100 mm (8" x 4") in size and should be attached at intervals not exceeding 90 m (295').

The sign should display the symbol as on the Speedrite sign (SA046) or the words "Electric Fence".



(SA046)

The inscription should be indelible and any lettering should have a height of at least 35 mm (1 1/3"). It is recommended that the basic colour of the sign be yellow with black inscription.

Electric fence energizers are not intended for use by young children or infirm persons. Do not allow young children to play with the energizer or the electric fence.

When the energizer is used to supply a system of conductors used for deterring birds from roosting on buildings, no conductor should be connected to earth. A switch should be installed to provide means of isolating the energizer from all poles of the supply and clear warning signs should be fitted at every point where a person may have ready access to the conductors. The notice should bear the words "LIVE WIRES" in block letters not less than 13 mm (1/2") high, the letters should be red on a white background and the size of each notice should be not less than 62 mm x 50 mm (2 1/2" x 2") overall.

Please save these instructions



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