SB130 Solar Assisted Battery Powered Energiser



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The Wolseley SB130 is a portable, dry battery powered energiser with an integral solar panel. It is powered by a standard 9 volt long life battery or, when there is sufficient daylight, the energiser will run on energy created by the solar panel, thus reducing or completely eliminating current draw from the battery.

Features of the Wolseley SB130

The Wolseley SB130 has a low battery indicator, which will shine red when the battery needs to be replaced. It also features a blue LED which flashes to indicate that the line is live.

An additional feature of the SB130 is a LOW/HIGH selector switch. When HIGH power is selected, a light cell operates at night and automatically switches the energiser to LOW power during darkness.

The SB130 has a white LED which flashes to indicate when the energiser is running from solar energy. The energiser will automatically select solar or battery power, depending on weather conditions.

Getting started

Warning: Danger of electric shock! **Handle with care and always ensure the switch is in the "off" position before handling.**

Only carry out installation when equipment is turned off.

1) To remove the lid: squeeze the clips at the front and back and lift
2) Place the 9 volt battery into the box and release the battery leads
3) Attach the battery leads to the terminals on the inside of the lid; attaching the positive lead (red) to the terminal nearest the black box, and the negative (black) to the other terminal. (See diagram 1)
4) Replace the lid, ensuring that the clips are properly engaged
5) Unscrew the white plastic nuts on the terminals on the outside of the unit
6) Attach the green lead to the green terminal and the blue lead to the blue terminal
7) For best results the solar panel must be exposed to full daylight
8) Locate the fencer in the desired position. For optimum performance this is usually in the middle of the fence line
9) Connect the blue HT lead to the line, and the green lead to the earth stake using the crocodile clip
10) Switch on your energiser and the line is now live.





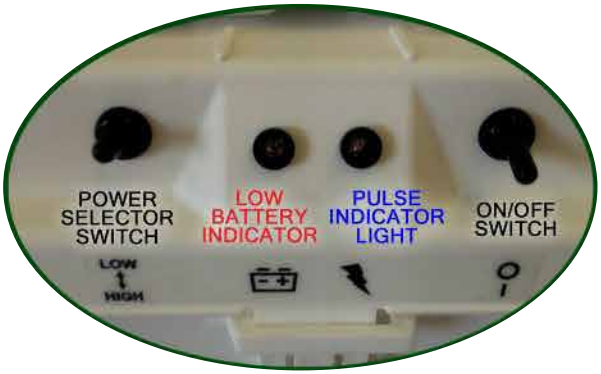
SOLAR INDICATOR



EARTH LEAD STUD



HT LEAD STUD



Specifications		
Case moulded in white ultra violet stabilised polypropylene.		
Solar panel is a high efficiency monocrystalline type on tempered glass of excellent quality and long life		
Stored Energy (Joules)	1.5	-
	Open load	500ohm load
Output Voltage	9 Kv	2.9 Kv
Max Fence length 8km	(Single strand galvanised fencing wire)	

DISPOSAL AND RECYCLING INFORMATION

Thank you for purchasing the **Wolseley SB130** energiser. Please familiarise yourself with the operating instructions for your product and always use only for the purpose it was designed. At any point in the future, should you decide to dispose of, or replace your product, please ensure that you do NOT dispose of it in a **Landfill** site. Please only dispose of it, at a **registered recycling facility**, more information on which can be found at WWW.RECYCLE- MORE. CO.UK **.** Also ensure that any batteries, where fitted, are removed and recycled in the correct manner. For any further advice on recycling our products, please contact our Service Department on 01392 460077.





W.E.E REGISTRATION NUMBER: **WEE/GGO133ZR/PRO**

Safety Requirements and Regulations

Electric fences shall be installed and operated so that they cause no electrical hazard to persons, animals or their surroundings.

- Electric fence constructions, which are likely to lead to entanglement of animals or persons, shall be avoided.
- An electric fence shall not be supplied from more than one energiser or from independent fence circuits of the same energiser.
- The gap between two separate electric fences with different energisers shall be at least 2m.
- If this gap is to be closed, this should be affected by means of an electrically non conductive material.
- Barbed or razor wire shall not be electrified by an energiser.
- Any part of an electric fence which is installed along a public path or highway shall be identified by warning signs (p/no 33020) securely fastened to the fence posts or firmly clamped to the fence wires at recommended intervals of approximately 10 metres to 50 metres, but not exceeding 90 metres. Warning signs should be at least 100mm x 200mm with a yellow background. The inscription shall be black and read: **TAKE CARE - ELECTRIC FENCE**, it should be indelible and inscribed on both sides, lettering height of at least 25mm.
- Except for low output battery operated energisers, the energiser earth electrode shall penetrate the ground to a depth of at least 1m.
- Connecting leads that are run inside buildings shall be effectively insulated from the earth structural parts of the building. This may be achieved by using double insulated high voltage cable (p/no 31640). Connecting leads that are run underground shall be run in a conduit of insulating material.
- Care shall be taken to avoid damage to the connecting leads due to the effects of animal hooves or tractor wheels sinking into the ground.
- Connecting leads shall not be installed in the same conduit as the mains supply wiring, communication cables or data cables.
- Connecting leads and electric fence wires shall not cross above overhead power or communication lines.
- Crossings with overhead cables 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 fences are installed near an overhead power line the clearances shall be:

1. **Power Line Voltage:** Under 1000 volts - **Clearance:** 3 Metres
2. **Power Line Voltage:** 1000 - 33,000 volts - **Clearance:** 4 Metres
3. **Power Line Voltage:** Over 33,000 volts - **Clearance:** 8 Metres

- If connecting leads and electric fence wires are installed near an overhead power line, their height above ground shall not exceed 2m. 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 - 2m for power lines not exceeding 1000V - 15m for power lines exceeding 1000V.
- A distance of 10m shall be maintained between the energiser and any other earth system such as the household supply system protective earth or the telecom system earth.
- A warning sign as described earlier, shall be fitted to every point where persons may gain ready access to the conductors.
- Where an electric animal fence crosses a public pathway, a non-electrified gate shall be incorporated in the electric 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 as described earlier.

Please retain instructions for future reference.