

# energisers

The Phoenix range of mains powered energisers offer the traditional Hotline reliability paired with the most up to date electric fence technology. Available in two fixed joule models and an intelligent variable joule model, Phoenix incorporates an unparalleled level of function for a standalone product. All Phoenix have 4 user defined alarm settings which alert you to changing conditions on the fence. Settings are accessed through a simple twin button, scroll menu displayed on a large LCD screen which also displays fence information. In addition, the bright LED bar gives an 'at-a-glance' indication of fence performance. All Phoenix have a 12v battery backup facility for further peace of mind in the event of power failure.



Command & Communicate module can also be installed in all Phoenix models. With the addition of a standard SIM card, the unique internally installed GSM unit relays alarm information via text allowing you to respond instantly to alarm conditions and potential problems. The system is also invaluable for on the spot maintenance as the fence can be switched off from any location to allow work to proceed in safety. The system will also relay up to date status reports to your mobile when requested.



## phoenix HLM700

Fixed joule mains, single output energiser. Fence monitoring facility, battery back up & command and communicate compatible.

- Wall mounting
- Terminal cover
- LCD display
- Fence indicator
- Battery back up
- Earth alarm
- Low voltage alarm
- Fence short alarm
- Fence break alarm



								Part no.
7J	4.8J	9.2kV	6.2kV	10w	50kM	30	25	47HLM700

## siren & strobe

part no. 47SS1

110 decibel external siren and strobe for Phoenix. Interfaces with the phoenix and activated by all alarm conditions.



As from 1<sup>st</sup> of September 2010, European electric fencing manufacturers are obliged to adhere to new safety guidelines regarding high powered energisers. Products manufactured after this date will have an output restriction of maximum 5 joules when operating under heavy fence loads. This is to ensure human or animal does not receive a potentially harmful level of shock if trapped on the fence. The guideline is particularly pertinent to high powered, intelligent energisers which increase output to maintain effective voltage on varying fence loads. In the event of detecting a **sudden heavy** load this type of energiser will need to increase power in a controlled and safe manner to minimise the risk to person or animal.

Our Phoenix models HMX1600 & 2500 will operate from a platform of 7 joules with a boost capacity of 16 & 25 joules respectively. If the fence load increases gradually to a point where 7 joules are not sufficient to maintain an effective voltage, the energiser will boost output to the relevant joule. However, if a sudden, heavy load is detected, the energiser will only enter the **full** boost mode following a safe mode period. If a change in fence load is detected from above 1000 ohms to 400 ohms or below, for duration of 5 pulses, a blue LED (2) will light and an internal alarm of 5 second beeps will sound for 45 seconds. The energiser will pulse at the reduced rate of one pulse every 3 seconds. The LCD display will flash ANIMAL. After the 45 second warning, the alarm will emit a continuous sound and the energiser will go into boost mode at a reduced pulse rate of 1 pulse every 3 seconds. The display will flash ANIMAL and BOOST alternately. The alarm will sound for 45 minutes or until the obstacle is cleared from the fence. The energiser will revert to normal operation at the normal pulse rate if the obstruction is cleared. If the fence load remains, the energiser will operate at the boost power level at the normal rate of 1 pulse per second following a 45 second period of normal pulse power. If an external alarm is fitted its operation will reflect that of the internal alarm in these conditions



## phoenix HMX

Single output energiser with timed power boost. Fence monitoring facility, battery back up & command and communicate compatible.

- Terminal cover
- LCD display
- Fence indicator
- Battery back up
- Earth alarm
- Low voltage alarm
- Fence short alarm
- Fence break alarm
- Timed power boost

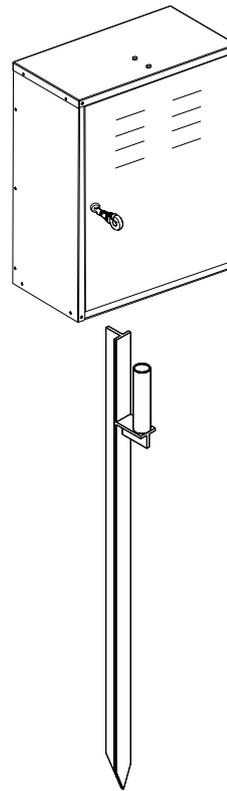


							Part no.
7-16J	9.2kV	5.9kV	10-16w	65km	N/A	N/A	47HMX1600
7-25J	9.2kV	5.9kV	10-20w	85KM	N/A	N/A	47HMX2500

energisers



**security box**



Electrifiable security box. A galvanised metal security box for battery energiser and battery. Supplied with a strong 1m mounting/earthing stake and insulated key. Arm mount for mounting a solar panel on the top is also available.

Box internal dimensions  
W:45 D:27 H:54 cm

Part no.	item
47VP1	security box with stand
47MA1	solar mount for security box

**testers**

There are three main types of electric fence tester. Proximity testers such as the beeper detect energy from a short distance and emit a sound or display an LED to show the presence of power. These are useful in offering a quick indication that a fence is on, but are inadequate for fault finding or actual voltage readings. Testers such as the 6 'lite are fitted with ground probes to connect earth and fence - much as an animal does when shocked. If designed with multiple lights, this type of tester indicates the amount of voltage present on the fence and can be used to find faults. The tester can be employed to test the fence, the energiser itself and the earth, allowing the user to single out the element causing the problem. Self earthing units such as the fence scout and digital tester use the body to make the earth connection allowing quick and accurate readings. Application of these units range from simple digital Kv reading to giving a direction indication of the fence fault. The fence scout displays Kv reading, amp reading and an arrow to lead you in the direction of the fault.

