

ELECTROWIRE ENERGISER GXE



- **Psychologically powerful deterrent factor**
- **Latest energiser technology**
- **Retro-fit to existing fences**
- **Reliable detection capability**
- **High intruder delay factor**
- **Robust and simple construction**
- **Single ended energiser connection**
- **High and low voltage operating modes available**

ElectroWire comprises of an energiser unit, light gauge galvanised steel rope electrified wires and interconnecting high voltage cables.

The energiser unit requires a 240V ac supply and has a minimum current load of 3A and may be fitted with standby batteries to maintain operation in the event of mains failure.

The energiser unit may be located adjacent to the fence itself or sited remotely with high voltage interconnecting cables linking the energiser to the fence structure.

The electrified wires forming the barrier are routed through insulators fixed to galvanised steel support poles. The height of the barrier can be tailored to suit the application.

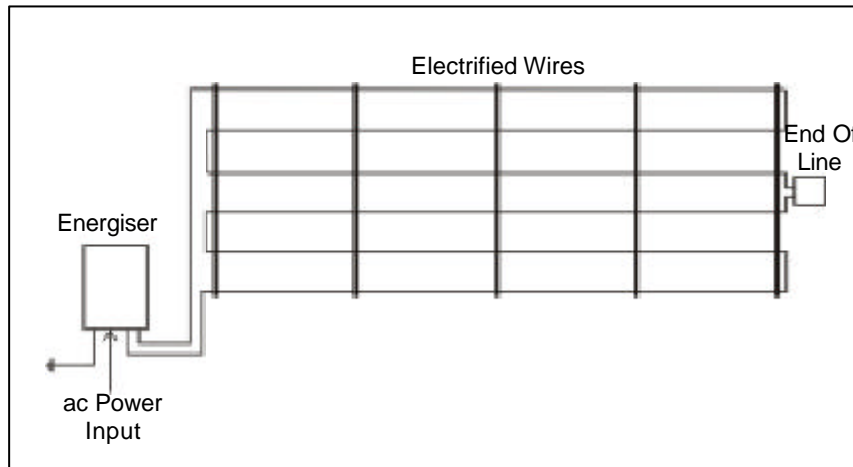
In the high voltage mode of operation, the system monitors the status of the wires between each high voltage pulse to determine whether an alarm activation should be signalled.

In the low voltage mode of operation, the system operates as described in the high voltage mode with the exception that the high voltage pulses are inhibited. In low voltage mode of operation the power consumption of the energiser is dramatically reduced.

The energiser can be supplied as a variant fitted with an IP interface module to allow it to be integrated into a Gthernet IP alarm management system.

ELECTROWIRE ENERGISER GXE

Integrates with



- Alpha Sensor
- RFID
- RV Beams
- Multizone Annunciator
- Multiplexer
- CentrAlert
- Gthernet

TECHNICAL DATA

Application	Provides energisation to up to two zones of ElectroWire fence at 7,000V and can annunciate the conditions detected on the fence
Sales Part Number	
GXE-1	Single Zone Energiser
GXE-2	Dual Zone Energiser
GXE-1IP	Single Zone Energiser with IP module
GXE-2IP	Dual Zone Energiser with IP module
Zone Capability	Maximum wire length of 30km giving a maximum zone length of 5km based on the minimum number of six loops Requires end of line box
Worst Case Wire Resistivity	100Ω/km
Inputs	Local energisation Mains fail detect Zone synchronisation
Outputs	Switchable mains capacity relays (form A) Polarity can be inverted by software
Internal Controls	LCD menu options External hand held controller Serial CLI
Lightning Protection	Spark gaps on signal outputs
Dimensions	W 320mm H 430mm D 200mm

Weight	
GXE-1	15kg
GXE-2	20kg
GXE-1IP	15kg
GXE-2IP	20kg
Power Requirements	
GXE-1	110/240Vac 2A 50/60Hz
GXE-2	110/240Vac 3A 50/60Hz
GXE-1IP	110/240Vac 2A 50/60Hz
GXE-2IP	110/240Vac 3A 50/60Hz
Enclosure	Aluminium or fibre glass Himmel box sealed to IP66
Operating Temperature	-40°C to +85°C
Electro Magnetic Comptability	Complies with the requirements of BS EN 55014, BS EN 55022 and BS EN 61000-3-2, BS EN 61000-3-3, BS EN 61000-4-2, BS EN 61000-4-3, BS EN 61000-4-4, BS EN 61000-4-5, BS EN 61000-4-6 and BS EN 61000-4-11
Installation Time	30 minutes
Fixing Method	Mounting bracket
Location	Externally mounted
Installation	By any Geoquip approved installer
Warranty period	12 months from date of invoice