



Electric fence

Detection / Fence detection

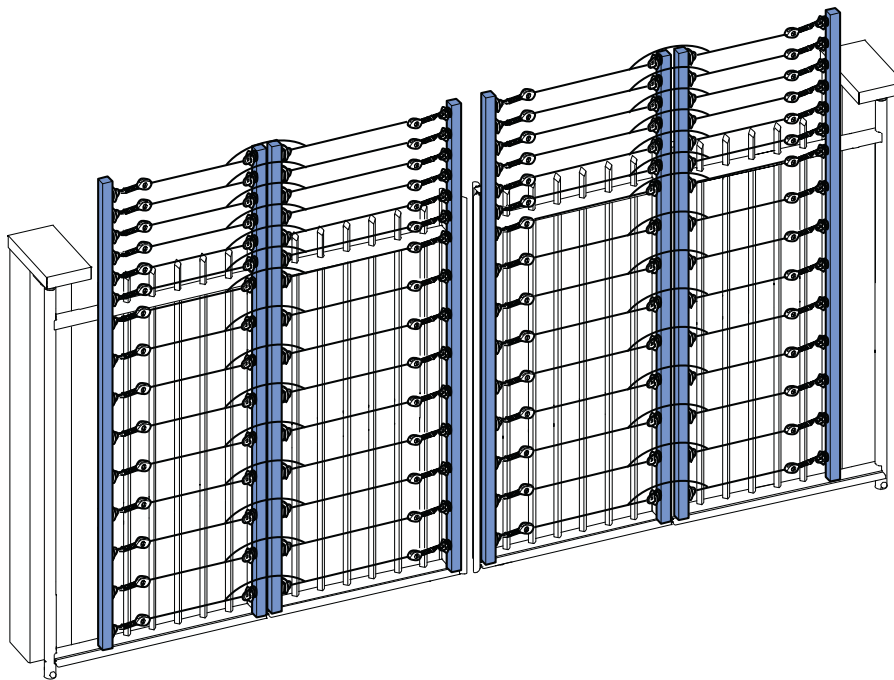
Electric fence is a sleek electronic detection and deterrent system to prevent unauthorised access to fenced locations. The system consists of a grid of horizontal wires, extending from the ground to roughly 50 centimetres above the fence line.

The modular system allows several zones to be combined to create the perfect solution for most fences and gates. The twined and elastic wires are firmly affixed in special insulated profiles to remain taut in all weather conditions. A flexible topping (which can be used independently) prevents intruders climbing over a fence.

The standard grid uses high-voltage and earth wires; an optional 'bi-polar' configuration uses only high-voltage wires to maximise the shock effect and eliminate tampering. Switch to low voltage mode to avoid unintended severe electric shocks.

- **Sleek and effective detection/deterrent**
- **Robust and weather resistant**
- **Separate zone on/off switches and high/low voltage modes**
- **Anti-tampering protection**
- **Impossible to climb without detection**

Drawings



Technical specifications

Zones	Standard: 2
Recommended maximum zone length	100 – 350 m (17 wires; depending on wire material)
Colour	Matt black
Power supply	240 VAC
Power	30 W
Maximum energy per zone	2.4 Joule at 500 ohms load
Open circuit voltage	9000 V
Max. contact rating per relay	10 A @ 50 VAC or 10 A @ 30 VDC
Backup battery	12 VDC (7 Ah)
Backup time (approx.)	High voltage: 8 hours Low voltage: 24 hours
Inputs	Zone 1: On/off Zone 2: On/off Zone 1: High/Low voltage Zone 2: High/Low voltage External alarm
Outputs	Alarm zone 1 Alarm zone 2 General alarm
Energizer dimensions	400 x 270 x 125 mm
Operating temp	-10 to +50°C
Operating humidity	<80% non-condensing

Certificates

- EMC directive 89/336/EEC
- Electromagnetic compatibility: EN 61000-3-2; EN 61000-3-3, EN 61000-4-2; EN 61000-4-3, EN 61000-4-5; EN 61000-4-6, EN 61000-4-11; EN 55014-1, EN 55014-2
- Electrical appliances IEC60335-2-76

Ordering information

Contact your local Geoquip/Herast office for precise ordering details.

Suggested accessories / products

- I/O board for extra input/output functions
- Warning signs
- Herast fences and gates
- Universal wire dispenser
- Fence scope multi tool