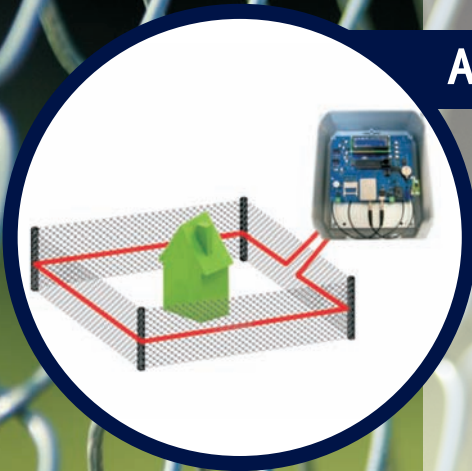


## perimeter protection for **EVERYONE!**

- Cost effective plastic fibre cable
- Quick & easy installation
- Unaffected by wind & vibration
- Low maintenance
- Ideal for large & small perimeters
- Single loop or daisy chain configuration

### Applications

- Perimeter fence protection
- Temporary compounds
- Home protection
- Commercial protection



### Technical specifications

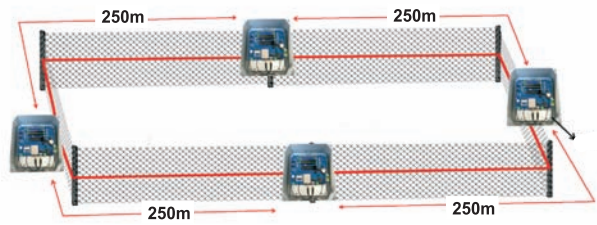
Maximum distance	250m (between two devices)
Type of signal	Optical, encoded 525nm
Type of fibre	Plastic fibre LiteWIRE with attenuation < 100dB
Sensitivity level	Adjustable (4 levels)
Outputs	Alarm relay (max. 12A/240VAC)
Signals	Alarm Power
Log function	Real time clock Alarms and events (1 year)
Power	12-24VDC +/- 10%
Consumption (mA)	3W max
Protection rate	IP55
Anti-tamper protection	Optical sensor
Operating temperature	from -40°C to + 85°C



# Connection Scheme

The analyser is powered by a 12 volt DC supply and provides standard N/C alarm contacts enabling connection to any alarm control panel.

Compatible with SiteGUARD Controls



**Anti-climb perimeter security** - this system is based on the principle that when the plastic fibre is bent, it has a lower light output than when it is stretched out.

**Zero false alarms** - because the fence must be bent in order to register a change in optical power, adverse weather conditions like wind, rain, snow and falling leaves do not trigger a false alarm!

**Installation** - Installation for chain-link (mesh) fences. The UV treated Fibre is woven through the fabric of the fence and secured to the posts with special bolts. A bend in the fabric of the fence and so the fibre is transferred to the bolt causing a change of light intensity.

**NB** the sensitivity of each Analyser can be individually set by 2 Dip switches, providing 4 sensitivity levels.



## Installation for rigid fences and gates

For rigid fences SV (vibration) units are mounted to the fence/gate and connected to the Fibre; this enables LiteFENCE to detect vibration and cut through attempts.

Where palisade type fences are fitted with a cantilever top. An enhanced level of detection can be achieved by running the return fibre from the SV unit along the cantilever top with the barbed wire. The fibre then senses bend and the SV unit detects vibration.

The LiteFENCE units can be used as single loops of up to 250 metres or in daisy chain configuration allowing 250 metres between units.

 **PERIMETER**  
SECURITY

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