

ProAlert Perimeter Security

Constant protection for remote installations



Reliable and effective way for locating and reporting perimeter breaches.

The system comprises a detection cable and controller which continuously monitors the cable for breakages.

The sensor cable is installed onto the perimeter fencing and can easily be retrofit. In the event of a security breach the sensor cable will be broken and will trigger the controller, sending an alarm for extremely rapid notification.

The controller monitors the integrity of the cable using a low constant current signal to reduce interference with existing telecommunication or data cables and systems. When a break is detected the system automatically switches to location mode and determines the length along the sensor cable to the break. Integrated GPS and GSM/GPRS communications ensure a rapid and accurate response via email/ SMS.



Technical data

Cable	Braided twisted pair. Overall Diameter 4.5mm +/-0.1mm
Enclosure Rating	Tough Polycarbonate IP67 with Silicone Rubber Gasket
Power Supply	3 year li-ion battery* (primary) 18-24VDC power (secondary) or 10W - 30W solar panel (secondary)
Operating Temperature	Cable & Controller: -20°C to + 70°C continuous
Minimum Length	50m (164ft) per output
Maximum Length	2000m (6562ft) per output
Communications	Integrated 50channel AGPS to 2.5m accuracy Integrated quadband GSM/GPRS with class 10 data transmission

* Battery should be replaced after 3 years

Benefits

- Instant detection of problem
- Location of problem immediately identified
- Low material costs providing cost effective security with cables up to 4Km coverage
- Automatically locates the distance of the cable break enabling speedy response
- Low installation, maintenance and repair costs reduce total cost of ownership

Features

- Integrated GPS & quadband GSM/GPRS modem
- Very low EMI cable integrity checking
- Automatic distance location to cable break
- 1 or 2 detection zones up to 2km each
- Battery operated min. 3 years battery life
- Permanently mains powered option with battery backup
- Automatic location and reporting via Email/SMS
- Repairable & extendable cable
- Webbased monitoring of each controller
- Rugged and reliable
- Simple and straightforward installation

Typical Applications:

- Construction Sites
- Major outdoor events / festivals
- Factory grounds
- Manufacturing plants
- Cable theft
- Remote equipment security
- Fleet management facilities
- Remote farms and agricultural vehicle storage



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