



Committed to security.

PERIMETER



FIBRE OPTIC PROTECTION MILES





MILES

protection system for FENCES

MILES™ is a protection system for fences. It uses a fibre optic cable and has a very high detection capability, being totally immune to electromagnetic interference and atmospheric conditions. The fibre optic cable requires no power in the field and, therefore, power supply units along the protected perimeter are not required.

The system allows the protection of fences, up to 4Km, and the area where the saboteur climbing is taking place is identified to within a few meters. The fibre optic can be installed over many thousands of kilometres, with an analyser every 4 km.

OPERATION

The fibre optic cable is subjected to mechanical stress caused by stimuli, such as pressure, vibration and motion, which changes the transmission characteristics of the light inside the fibre. The change is minimal, but with a source of coherent light obtained with laser diodes and sophisticated amplifier and processing systems, a signal that

can be processed can be obtained. The careful analysis of the signal and the ability to change, using a calibration and monitoring software, specific parameters that determine the system operation, give this product excellent performance characteristics.

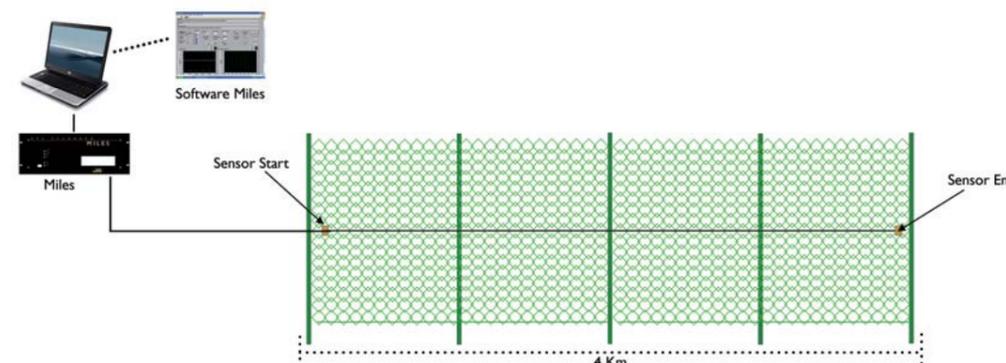
ADVANTAGES

MILES™ is resistant to weather conditions, such as rain, snow, hail, etc., because it works using spectrum analysis of the signals. Very low percentage of false alarms due to disturbances such as wind, vibration caused by heavy loads passing nearby, etc; Immune to electromagnetic

disturbances; Calibration is carried out when the system is installed, in real operating conditions; MILES™ does not need any power supplies in field.



Thanks to the use of electronic/software filters the fence version of Miles™ analyses both the low and high frequencies typical of a climbing or cutting attack on the fence.



TECHNICAL SPECIFICATIONS

Maximum coverage of fibre sensor	4 Km
Alarm point approximation	≤ 1%
Number of virtual zones	256
Detection configuration	Distributed sensor with a single mode fibre optic 9/125
Control Power supply	66W max, 115..230V - 50/60Hz
Field Power Supply	None
Controller dimensions	482(19")x175(5U)x420 mm
Laser specification	Classe IIIA, max power output 10mW / Wavelength 1530/1550
Optical connections	FC/APC
Controller operating system	Windows XP / Windows 7
Alarm interface	Via 10/100 Base-T to SCS software Via Bus 485 to relay card

Retailer of confidence



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