

GPS

STANDARD

Committed to security.

PERIMETER



FIBRE OPTIC PROTECTION MILES™



MILES

protection for INVISIBLE SYSTEMS

MILES™ is a fiber optic protection system that can be buried under the ground. It uses a fiber optic cable and has a very high detection capability, being totally immune to electromagnetic interference and atmospheric conditions. The fiber 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 perimeters (up to 4 Km) and the identification of the zone where the sabotage or the crossing of the perimeter taking place is identified within a few meters.

OPERATION
Mechanical stress in the optic fiber, caused by pressure differences, vibrations or movements on the close

ground, changes the characteristics of light transmission. The change is minimal but, with a coherent light source achievable with laser diodes and with very sophisticated amplification and processing systems, it is possible to obtain a signal to be processed. The accurate analysis of the signal and the ability to control the parameters of the system,

thanks to a calibration and monitoring software, give this product a characteristic of absolute excellence.

BENEFITS
-Immunity from the elements such as rain, snow, and hail

because it is based on spectral analysis of signals
-Very low rate of false alarms due to disturbing phenomena such as wind or ground vibrations
-Immunity to electromagnetic interference

-Calibration performed at installed system or in the real working conditions
-Requires no power in field



Through the use of electronic and software filters, MILES, system version for the protection of buried systems, analyzes the low frequencies generated by the attempt of excavation and, in case the fiber is placed inside a gravel bed, also by the passage of intruders crossing the land protected.



TECHNICAL SPECIFICATIONS

Maximum coverage of fiber 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
Analyzer operating system	Windows XP / Windows 7
Alarm interface	Via 10/100 Base-T to SCS software Via bus RS485 to relay cards

Retailer of confidence



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GPS STANDARD SRL

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