Perimitrax

Buried Cable Intrusion Detection Sensor

Intelligent 4th generation ported coaxial sensor

Covert sensor with invisible volumetric detection field

Terrain-following

Continuous field of detection with over 99% Pd

Superior height response

Adaptive algorithms for dependable all-weather performance

The lowest vulnerability to defeat of any outdoor sensor technology

Power, data and detection on the same cable set reduces installation costs

PC-based network control with remote adjustment of all operating parameters

Perimitrax® is a covert perimeter intrusion detection sensor that generates an invisible electro-magnetic field around buried sensor cables. If an intruder disturbs the field, an alarm is declared. In the case of a network system, the alarm is instantly communicated over the sensor cables to a PC-based central control system.

Unlike many sensors, Perimitrax uses a large volumetric field to detect moving targets based on their electrical conductivity, size and movement. Unless a target possesses the minimum alarm characteristics, it will not be detected. A person or vehicle crossing through the field is detected while small animals and birds are ignored. Common environmental false alarm sources like foliage, rain, snow and blowing sand are easily filtered out by Perimitrax's advanced adaptive algorithms. This intelligent signal processing provides the highest Probability of Detection (Pd) of any sensor type and an extremely low False and Nuisance Alarm Rate (FAR/NAR).

Because the sensor cables do not change site aesthetics and the detection field is invisible, intruders remain unaware of Perimitrax's presence and cannot locate, avoid or tamper with it. Combined with the sensor's advanced technical capabilities, these inherent features result in the lowest Vulnerability to Defeat (Vd) of any outdoor sensor.

The major benefits of Perimitrax are the result of its superior sensor technology and its ability to tie together a facility's entire security system of outdoor sensors and auxiliary devices. Perimitrax uses its sensor cables to communicate with and supply power to the Sensor Modules and auxiliary sensors. The Perimitrax Sennet® Central Controller or the Senstar®100 provide central alarm reporting and control. These PC-based systems have a simple map-based, graphical user interface. The thresholds of each Perimitrax zone are easily adjusted from the central console through powerful maintenance software.

Perimitrax provides a high level of user confidence and a rapid return on investment through reduced operating and maintenance costs, increased staff efficiency and reduced losses.

Senstar Stellar