

ALLIED UNIVERSAL®, NSSC SECURITY PRODUCTS - PERIFELD-M PERIMETER IDS

Perifeld-M volumetric perimeter intrusion detection system (IDS) offers the highest degree of perimeter intrusion detection with the lowest false and nuisance alarm rate of any volumetric perimeter detection system currently available. The first Perifeld-M system was installed over 25 years ago and continues to run flawlessly today.

Perifeld-M is an "intelligent" microprocessor based alarming system, containing several paralleled tensioned electrodes which carry currents of specific magnitudes. These currents created a capacitive coupling between the wires, when an intruder approaches the fence, the capacitive coupling changes, resulting in a change in the current pattern. The precise algorithm within the system recognizes the specific change caused by an intruder and triggers an alarm. The algorithm is run on a processor module contained inside an evaluation cabinet.

Features and Benefits

- > Lowest FAR / NAR of any volumetric PIDS
- > Complies with DOD, DOE, NERC/CIP and NRC Regulatory Guide 5.44
- > The 7 wire systems stands 14' high and can detect up to 20' above grade
- > Multiple configurations available including free standing, building mount, fence mount roof mount, bulkhead mount
- > 4, 5, 6 and 7 wire systems available
- > Terrain following
- > Constructed entirely of corrosion resistant materials
- > Performs under the most adverse weather conditions including desert, wind, rain, snow, salt water and lightning.
- > Performance temperature -30°C to +50°C
- > Meets QA/QC Standard 10CFR50, Appendix B
- > Warranty: 1 year on hardware, 1 year on evaluation cabinet and components
- > Low operating and maintenance costs

The Perifeld-M System remains the most proven volumetric IDS in the security industry. Introduced to the U.S. market in the early 90's the Perifeld-M System continues to provide the highest level of security while operating with the lowest False and Nuisance Alarm Rates (FAR/NAR) of any sensor system operating in the nuclear industry. System reliability coupled with minimal maintenance costs make the Perifeld-M the logical choice for any system upgrade.

The most important aspect in evaluating an effective and reliable volumetric IDS system for high level facilities rests on system performance, reliability, longevity and support. The Perifeld-M system has continuously met and exceeded all regulatory requirements and test criteria. The system's algorithms have remained rock solid and unchanged for over 12 years; a record no other IDS system can claim or prove. Numerous DOD, DOE and commercially regulated nuclear power plants and facilities throughout the world specify and have installed Perifeld-M.

Currently, U.S. government regulated facilities (including an estimated 50% of the U.S. nuclear power plants) have Perifeld-M installed, with more sites converting to Perifeld each year.



For more information, contact us today.

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