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May 2011 - Product Spotlight

Smarter Perimeter Solutions

Open architecture system from Southwest Microwave raises the bar on intrusion detection technology

Southwest Microwave has announced the introduction of its latest-generation INTREPID™ intelligent perimeter detection sensors. New-generation INTREPID™ sensors offer an integrated, multi-technology solution to address diverse outdoor perimeter security needs. The system, which provides fence, buried cable and digital microwave protection alternatives, couples performance enhancements to Southwest Microwave's field-proven INTREPID™ intelligent detection technologies with the simplicity of single-platform networking.

“What has differentiated Southwest Microwave over the last 40 years is not simply the precision and reliability of our systems, but that our solutions are engineered around the needs of our users,” explained Bob Kirkaldie, Southwest Microwave's Director of Sales.

PRECISION AND RELIABILITY

Designed to reduce the cost and complexity associated with systems integration when site characteristics or security level require deployment of multiple detection technologies, new-generation INTREPID™ is the latest reflection of Southwest Microwave's customer-focused philosophy.

“Integration of all elements of a perimeter security program has been no simple task for the installer or the end-user,” said Kirkaldie.” With cut/climb, covert and microwave detection options, the INTREPID™ system is versatile enough to address a broad range of protection challenges. And by deploying these solutions on a single network platform, users can easily and cost-effectively protect each portion of the perimeter with an optimal sensor for that location. “

The INTREPID™ MicroPoint™ II fence detection sensor and MicroTrack™ II buried cable detection sensor offer unique detection capabilities to protect even the highest security sites - including precise location of intrusion attempts to 3 meters and uniform detection across the coverage area, regardless of fence condition or site terrain. Software-based zone assignment with tie-in to CCTV presets allows precise, immediate alarm assessment from the convenience of the control room. These sensors also solve environmental nuisance alarm problems common to other sensors by successfully discriminating between legitimate attacks and harmless disturbances.

The all-weather, K-band INTREPID™ MicroWave 330 digital microwave link, with a 244-meter detection range, six field-selectable modulation channels and microwave path monitoring for signal changes, protects open areas, gates, entryways, rooftops and walls.

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EASE OF INTEGRATION

For unparalleled configuration and operating convenience, new-generation INTREPID™ sensors employ a common communications protocol, universal set-up software and system controllers with multi-language capabilities, integrated I/O modules and a broad (10.5-60 VDC) input voltage range. INTREPID™ sensors are seamlessly networked via RS422 serial data interface. Network architecture guarantees alarm delivery time and can be structured in a variety of configurations to best address network size and reporting requirements.

A third-party SDK is available to integrate new-generation INTREPID™ sensors into custom control applications. Additional system control options offer scalable security management solutions for virtually any site parameters. Set up of the system is simplified with a universal installation/service tool which features sensor auto-discovery, guided navigation, and forward propagation for single step, multi-sensor zone configuration. An integrated global language function supports operation in the language of the customer's choice.

“Our goal is to offer our customers seamless, flexible solutions for their complete perimeter detection and security management needs without the challenges traditionally associated with integrating multiple technologies,” Kirkaldie said. “Our new-generation INTREPID™ fulfills a distinct need in the PIDS arena.”

Southwest Microwave has been a trusted global supplier of perimeter security systems for the protection of infrastructure, high value assets and personnel since 1971.

Southwest Microwave, Inc.
www.southwestmicrowave.com

Several systems have been installed in the area and are available for demonstration. Contact your Will Electronics Account Manager to determine if Southwest Microwave's INTREPID™ Intelligent Perimeter Detection Sensors is the solution to your surveillance needs.