

# INTREPID™

**SMARTER** PERIMETER DETECTION SYSTEMS



**MicroPoint™ II**  
Fence Detection System

**MicroTrack™ II**  
Buried Cable Detection System

**MicroWave 330**  
Digital Microwave Link

PROVEN PERIMETER PROTECTION  
**NEW SINGLE-PLATFORM SIMPLICITY.**

OUR

# INTREPID™

INTELLIGENT SENSORS JUST GOT EVEN **SMARTER!**



## STATE-OF-THE-ART DETECTION CAPABILITIES **MEET NETWORKED CONVENIENCE.**

Deploy any combination of fence, buried cable or digital microwave solutions on a single network platform - to protect each portion of the perimeter with an optimal sensor for that location.

# INTREPID™

## SEAMLESS SOLUTIONS

For diverse perimeter security needs.



## THE CHALLENGES

In protecting a facility's perimeter, two distinct challenges arise. Selecting the appropriate sensor technology to address site requirements and finding cost-effective, compatible solutions when site characteristics or security level dictate the introduction of multiple sensor technologies.

## THE SOLUTION

Combining forty years of perimeter detection experience with the latest in integrated systems engineering, Southwest Microwave provides solutions for both of these challenges with our newest-generation INTREPID™ Intelligent Sensors. Field proven detection technologies, made even SMARTER with single-platform networking.

New-generation INTREPID™ sensors offer enhanced features and unique detection capabilities to reliably protect the highest security sites and perform in harsh climatic extremes. For unparalleled configuration and operating convenience, the INTREPID™ family employs a common communications protocol, universal set-up software and system controllers, integrated I/O modules and a broad input voltage range - eliminating the costly and complicated task of integrating multiple technologies.

Finally, high-performance perimeter protection meets true systems convergence. With INTREPID's synergistic sensor technologies, deploy any combination of fence, buried and digital microwave solutions on a single network platform - to protect each portion of your perimeter with an optimal sensor for that location.

# SYNERGISTIC SENSOR TECHNOLOGIES



## MicroPoint™ II

### Fence Detection System

- Detection of cut or climb attempts
- Pinpoints intrusion attempts to 3m / 10ft
- Uniform detection sensitivity along fence line
- Solves environmental nuisance alarm problems
- Flexible, software-controlled zoning
- Single platform networking capabilities



## MicroTrack™ II

### Buried Cable Detection System

- Covert terrain-following RF detection
- Pinpoints intrusion attempts to 3m / 10ft
- Uniform detection sensitivity across coverage area
- Solves environmental nuisance alarm problems
- Flexible, software-controlled zoning
- Single platform networking capabilities



## MicroWave 330

### Digital Microwave Link

- 244m / 800ft range
- Open areas, gates, entryways, rooftops, walls
- K-Band multipath detection
- 6 field-selectable modulation channels
- Microwave path monitoring for signal changes
- Single platform networking capabilities



## POWERFUL NETWORKING CAPABILITIES

INTREPID™ sensors and I/O modules are seamlessly networked via a common, open architecture communications protocol – the INTREPID™ Polling Protocol – using standard RS422 serial data interface. Network connections may be via copper wire, fiber optic cable or wireless (TCP/IP) method.

Network architecture guarantees alarm delivery time, and can be structured in a variety of configurations to best address network size and alarm delivery requirements.



## SCALABLE SYSTEM CONTROLLERS

A universal INTREPID™ controller conveniently manages all INTREPID™ sensors and I/O modules. Choose from four control modules that offer scalable security management solutions to suit any site parameters with features ranging from local relay control to multi-language graphic mapping tools, centralized local or remote multi-site management and high level CCTV interface.

An SDK is available to third-party developers for high level integration of new-generation INTREPID™ sensors into custom control applications.



## INTEGRATED I/O MODULES

**Auxiliary Input Module II:** Allows the incorporation of auxiliary devices – such as Southwest Microwave's conventional sensors, gate and door contacts, or other alarm contacts.

**Relay Output Module II:** 8 or 16-port modules provide simple interface to CCTV, legacy alarm panels, perimeter lighting, or other relays if high level interface is not available.



## EASY SYSTEM SET UP

Universal installation service software configures each INTREPID™ device with laptop convenience. User-friendly features, including sensor auto-discovery, guided navigation and forward propagation simplify set-up and calibration.

Unique configuration security allows lock down of device settings, ensuring that only approved configuration changes are implemented.



## SIMPLIFIED ZONE ASSIGNMENT

To assign detection zones, the system controller auto-discovers networked alarm inputs to confirm proper configuration. Each input is then associated with perimeter segments - or zones - of the desired length. For added flexibility, multiple sensor technologies can be assigned to a single zone.

When an intrusion attempt occurs, alarm data is communicated to the controller and its location is displayed on a graphic map. Zones may also be associated with specific outputs – such as camera presets – so that when the perimeter is breached, precise visual assessment is achieved.

# PERIMETER PROTECTION *LEADERS SINCE 1971*



With more than 40 years of experience and 53,000 systems in 80+ countries, Southwest Microwave has earned a global leadership position in the design and manufacture of integrated, high-security, outdoor electronic perimeter security systems for the protection of infrastructure, assets and personnel. Our field-proven products provide accurate, immediate detection of perimeter disturbances. Robust system control options assure the seamless integration of all elements of a facility's perimeter security program.

Product excellence reflects only one component of the Southwest Microwave customer commitment. Our pledge to provide world-class customer care is backed by extensive technical service capabilities, including system design and commissioning services, comprehensive training programs and responsive tech support. By delivering proven technologies and broad-reaching value-added services, Southwest Microwave offers a solid foundation for long-term integrated perimeter security solutions.

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