Product List
Security Systems Division

Perimeter Intrusion Detection Systems

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ISO 9001

SOUTHWEST MICROWAVE

Perimeter Fence Detection Systems

INTREPID™ MicroPoint™ Cable

- ► Pinpoints Intrusions to Within 10 ft (3 m)
- ► Solves Nuisance Alarm Problems
- ► Software Controlled Zone Assignment
- ► Power, Data and Detection on a Single Cable

INTREPID MicroPoint Cable fence-mounted protection system detects both cutting and climbing attempts and provides precise location of alarms. Alarm zones can be set at any location along the cable. Built-in power distribution and alarm multiplexing permit full integration of auxiliary sensors, cameras and alarm contacts. Features Windows®-based Site Manager software for ease of system programming.

MICRONET™ MicroPoint™ Cable

- ► Pinpoints Disturbances to Within 10 ft (3 m)
- ► Software Controlled Zone Assignment
- ► Power, Data and Detection on a Single Cable
- ► Steel Exterior Enclosures
- ► Accommodates Armored Cable

Designed for correctional applications, MICRONET fence-mounted protection system detects cutting and climbing attempts and provides precise location of disturbances. Alarm zones can be set at any location along the cable. Built-in power distribution and alarm multiplexing permit full integration of auxiliary sensors, cameras and alarm contacts. Features Windows®-based Perimeter Manager software for ease of system programming.

MicroPoint™ Tape

- ► Barbed Tape Detection System
- ► Alarm Location to 10 ft (3 m)
- ► Software-Controlled Setup and Zone Assignment
- ► Patented Detection Algorithms

MicroPoint Tape is the only perimeter system for use on Barbed Tape that locates the point of attack to 10 ft (3 m) within any zone. It installs on existing Barbed Tape to provide additional perimeter security on fences, walls or buildings.

Buried Cable Detection Systems

NEW INTREPID™ MicroTrack™

- ► Pinpoints Intrusions to Within 10 ft (3 m)
- ► Invisible Detection Field
- ► Terrain-Following Capability
- ► Site-adaptive Sensitivity Leveling™

MicroTrack is a revolutionary buried cable detection system for applications where covert perimeter protection is essential. This volumetric, terrain-following sensor precisely locates walking, running or crawling intruders to within 10 ft (3 m).

**Visit us on the web at:
www.southwestmicrowave.com**

Alarm Monitoring and Control Systems

NEW
Perimeter Security Manager

- ► Intuitive, Touch Screen GUI
- ► High Resolution Graphics
- ► Easy 'Drag and Drop' Configuration
- ► Live Screen Camera Control
- ► Comprehensive Reporting Tools
- ► Open Architecture
- ► Powerful Migrating Host Server

Perimeter Security Manager is an intelligent security management system that integrates, monitors and controls Southwest Microwave's complete range of perimeter detection equipment, plus a broad range of third party security devices such as CCTV cameras, DVRs and auxiliary sensors.

INTREPID™ Map Monitor (Basic & Advanced)

- ► Full Color Graphic Map Displays
- ► User Configurable Graphics
- ► Multiple Languages (English, French, Spanish, German, Portuguese)
- ► Alarm Activity Reports
- ► User Log-on Authentication and Alarm Tagging (Advanced)
- ► Integrates up to 4 PCs with 8 Maps

INTREPID Map Monitor is a user-friendly, Windows®-based security monitoring and control package for single (Basic) or multiple (Advanced) site applications that operates with INTREPID fence detection systems. Integrates alarm monitoring, data communications, event tracking/reporting and auxiliary security devices.

MICRONET™ Premium Perimeter Monitor

- ► Full-Color, Graphic Map Displays
- ► User Configurable Graphics
- ► Simple Operator Interface
- ► Alarm Activity Reports
- ► User Log-on Authentication, Alarm Tagging and Database Reports
- ► Integrates up to 4 PCs with 8 Maps

Designed for correctional applications, MICRONET Premium Perimeter Monitor is a Windows®-based security monitoring and control hardware and software package that operates with the MICRONET perimeter security system. Integrates alarm monitoring, data communications, event tracking/reporting and auxiliary security devices.

Transmitter/ Receiver Links

Bistatic Microwave Intrusion Detection Sensors

Model 300B

Typical 300B or 310B
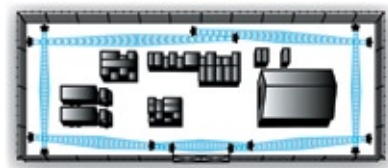
► 600 ft (183 m) Range
► Field Selectable Patterns
► Low Current
► X Band

Model 300B is a fully weatherproof outdoor microwave intrusion link. Detection pattern width is adjustable from 2 to 40 feet (.61 to 12.2 m). Installation, set up, and alignment is quick and easy.

Model 310B

► 1,500 ft (457 m) Range
► Narrow Detection Pattern
► Low Current
► K Band

Model 310B operates at K band, achieving performance not possible with X band sensors. Narrow beam width and higher multipath signal provide better detection of slow moving intruders.

Typical T/R Link Application

Model 316

► European C€ Rated
► 800 ft (244 m) Range
► Narrow Detection Pattern
► K Band

Model 316 operates at K band frequency, achieving performance not possible with X band sensors. Narrow beam width facilitates operation at long ranges and within very narrow corridors. Compliant with EC emission requirements of EN300 440. Europe only.

Model 320SL

► 600 ft (183 m) Range
► High and Narrow Pattern
► Low Current
► X and K Band

Model 320SL dual stacked microwave intrusion link is designed for protection of high risk assets.

Transceivers

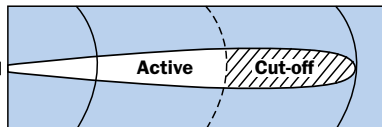## Monostatic Microwave Intrusion Detection Sensors

Model 380

Typical 380 or 385

► 200 ft (61 m) Range
► Adjustable Range Cut-Off
► Built-In Multiplex Circuit
► K Band

Model 380 provides continuously adjustable range cutoff from 50 to 200 feet (15 to 61 m). A built-in multiplex circuit allows multiple transceivers to operate without interference.

Typical 380 or 385 transceiver detection pattern with range cutoff.

Model 385

► 400 ft (122 m) Range
► Adjustable Range Cut-Off
► Built-In Multiplex Circuit
► K Band

Model 385 provides long range three-dimensional outdoor detection and adjustable range cutoff from 100 to 400 feet (30 to 122 m). Resistant to aircraft and airport radar interference.

Relocatable Sensors

M.I.L. PAC Temporary or Rapid Deployment Sensors

NEW

M.I.L. PAC 316

► European C€ Rated
► 800 ft (244 m) Range
► Wireless Alarm Reporting
► K Band
► 135 Hour Battery Life

M.I.L. PAC 316 is a portable microwave T/R link, ideal for protection of VIPs, critical mobile assets and other temporary high security requirements. Lightweight tripods and tampered, weatherproof external controls for easy set up. Compliant with EC emission requirements of EN300 440.

ENHANCED

M.I.L. PAC 385

Typical M.I.L. PAC 385

► 400 ft (122 m) Range
► Adjustable Range Cut-Off (RCO)
► Zero Range Suppression (ZRS)
► Wireless Alarm Reporting
► K Band
► 103 Hour Battery Life

M.I.L. PAC 385 is a portable microwave transceiver, ideal for protection of VIPs, critical mobile assets and other temporary high security requirements. Lightweight tripods and tampered, weatherproof external controls for easy set up. Resistant to aircraft and airport radar interference.

SOUTHWEST MICROWAVE

Explosionproof Sensors

Microwave Intrusion Detection for Hazmat Areas

Model 310B-33456

- ▶ Bi-static T/R Link
- ▶ 328 Foot (100 meter) Range
- ▶ Explosionproof Rated
- ▶ K-Band
- ▶ PLL Signal Processing

Reliable intrusion detection in the presence of flammable, combustible or easily ignitable materials. Specifically designed to operate at oil refineries, chemical and petrochemical plants, petroleum or chemical storage facilities and other sites where hazardous materials are handled, processed or stored.

Southwest Microwave's complete product information is available in electronic format.

To request a copy of our Product Guide CD, visit:
www.southwestmicrowave.com/ productguidecd

To request a copy of our INTREPID™ Intelligent Perimeter Detection Systems CD, visit:
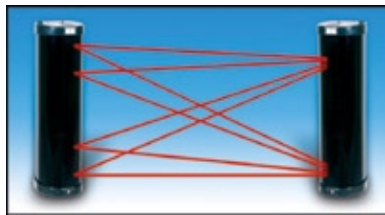www.southwestmicrowave.com/ intrepidcd

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Outdoor Active Infrared Sensors

Model 455

- ▶ 165 ft (50 m) Outdoor Detection Range
- ▶ Integrated Alignment System
- ▶ Solves Nuisance Alarm Problems
- ▶ Compact Design

Ideal for gate and wall-top applications, the Model 455 is a cost-effective, short-range sensor designed for the reliable detection of walking or climbing intruders. Multiple beam paths must be broken simultaneously, reducing environmentally-caused nuisance alarms.

Model 460

- ▶ 325 ft (100 m) Range
- ▶ Integrated Alignment System
- ▶ Beam Multiplexing and Synchronization for Signal Integrity
- ▶ 100 Alarm Event Log

Model 460 is an advanced 5-beam sensor that offers reliable detection of walking, running or crawling intruders. Bi and tri-detection beams and variable beam response timing prevent environmentally-caused nuisance alarms. Easy configuration via PC or hand-held terminal.

Outdoor Passive Infrared Sensors

NEW

Model 415

- ▶ 350 ft (107 m) Range
- ▶ Anti-vandal Function
- ▶ Double Optical Filtering
- ▶ Narrow Curtain Coverage

Model 415 is an advanced, stand-alone long range sensor designed for outdoor intrusion detection applications. Digital Signal Processing (DSP), Adaptive Threshold Decoding (ATD) and Signal Shape Analysis (SSA) reduce nuisance alarms to the lowest levels in the industry. Replaces Model 405.

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