



MicroPoint™ Tape

Perimeter Security System

The Next Generation Perimeter System



MicroPoint Location within Ten Feet

MicroPoint Tape integrates the detection capabilities of Southwest Microwave's Micronet System with a Barrier of Steel Barbed Tape Security Coil. This combination of products produces two of the most important components of security, detection and delay. It also gives you a barrier that will not only delay an escape but will specify within ten feet, the location of the attempted breakout.

Power Detection & Data on One Cable

The MicroPoint Cable also transmits alarm signals and operating power to all the Micronet processors and auxiliary sensors along the perimeter, thus eliminating the need for extra wiring.

Flexible Zoning

MicroPoint Tape has the unique advantage of having software-based zoning. This allows for a less expensive upgrade when existing zones must be matched to the new technology being installed.

Low Nuisance Alarm Rate

MicroPoint Tape was designed to minimize the nuisance alarms that are prevalent with other outdoor security products. The point impact discrimination is only sensitive to a localized disturbances thus eliminating noise on the fence or steel barbed tape due to environmental conditions such as wind, rain and snow.

Features:

- ▶ MicroPoint Detection with location to 10 feet (3 m)
- ▶ Sensitivity Leveling for varying fence conditions
- ▶ Free Format Zoning eliminates hardware constraints in system design



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System Specifications

- ▶ MicroPoint™ Detection locates intrusions to within 3 meters (10 feet).
- ▶ Point Impact Discrimination recognizes and suppresses distributed disturbances due to wind, rain and vibrations.
- ▶ Sensitivity Leveling automatically compensates for fence variations to equalize entire perimeter.
- ▶ Free Format Zoning allows the zones to be set in software independent of cable length or equipment location.
- ▶ MicroPoint cable provides detection, power distribution and data communications for the entire system.
- ▶ Windows® based MICRONET Perimeter Manager with Drawing Tool and Installation and Service Tool included.
- ▶ MICRONET Map software with precise intrusion location displayed in color graphics.
- ▶ Auxiliary sensors and devices are powered and controlled by the system.
- ▶ Each Signal Control Unit protects up to 400 meters (1/4 mile) of perimeter.
- ▶ Multiple Signal Control Units can be connected together for larger lengths of perimeter.
- ▶ Operating voltage range (10.5 - 60 VDC)
- ▶ Temperature range -40°C to 70°C (-40°F to 159°F).

System Components

Signal Control Unit

Each module processes data from two lengths of MicroPoint cable (A and B). Each length of transducer cable can be up to 200 meters (656 ft) long. Both A and B lengths of transducer cable are terminated in either Link Units or Termination Units.

Size: 35.5 L x 30.5 W x 15.3 H cm (14 x 12 x 6 in)

Weight: 7 kg (15.5 lb)

Operating Temperature: -40°C to 70°C (-40°F to 159°F)

Power: 10.5 to 60 VDC at 3.5 watts
(without auxiliary sensors)

Inputs: 2 MicroPoint cables (A and B)
6 Dry contacts inputs
3 Analog inputs (0-5 V)
4 Alarms and 2 Tamper from the Link Units over the MicroPoint cable

Outputs: 2 Alarm relays SPDT (Form C) - 2 amp @ 28 VDC
1 Tamper relay SPDT - 2 amp @ 28 VDC
+12 VDC at 150 ma for auxiliary sensors.
Communications port for computer.

MicroPoint Cable MC-315

The MicroPoint cable is used for detection, power distribution and data communications.

MC-315 Type

Size: 6.45 mm (0.254 in) outside diameter

Jacket: Steel Armored, Twist; High density polyethylene, UV resistant, black.

Operating Temperature: -40°C to 70°C (-40°F to 159°F)

Minimum Bend Radius: 63.5 mm (2.57 in)

Packaged:

Roll Size
100 m (328 ft)
200 m (656 ft)

Weight
11.4 kg (25 lbs)
22.75 kg (50 lbs)



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