SecureDetect

STI Series TautWire

Safeguards Technology's STI Series of Taut Wire Intrusion Detection Systems is based on the traditional concept that revolutionized the perimeter security market by combining a true physical barrier with highly reliable intrusion detection in one cost-effective solution.

Over the years, taut wire intrusion detection systems have established a solid reputation for successfully detecting and preventing perimeter intrusion and escape attempts while maintaining the lowest false alarm and nuisance rates available in the marketplace today. Taut Wire Systems are currently in use worldwide - in all terrains and environmental conditions.

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FEATURES & BENEFITS

- **Minimal Maintenance**
  Taut Wire Intrusion Detection Systems feature minimal maintenance requirements over many years of use.

- **Low False Alarm Rate**
  The combination of the self-adjusting and noise dampening taut wire sensors accompanied with the unique high tensile double strand reverse twisted barb wires reduce the false/nuisance alarm rate to less than 1 per km (0.62 miles) per three months.

- **EMI/RFI and Climate Proof**
  The taut wire electro-mechanical sensor is not affected by Electro Mechanical Interference (EMI), Radio Frequency Interference (RFI), climatic or atmospheric conditions, including lightning and electrical transients from nearby power lines.

- **Taut Wire Control System**
  The Perimeter Control Center (PCC) is based on a Pentium platform and communicates with reporting units. It utilizes Safeguards Technology's Securnet© Software (Microsoft Windows© based) that is extremely user friendly and custom designed specifically for each facility.

APPLICATION

Safeguards Technology's STI Series Taut Wire Intrusion Detection Systems operate using electromechanical sensors incorporated into a taut wire fence. The system provides intrusion detection and a true physical barrier. The system can be installed as a "stand-alone" system, wall/roof mounted or as an add-on to an existing fence.

A taut wire fence can also be installed on swing and sliding gates in order to provide continuous detection and protection to any perimeter. For added protection, corners can be fully overlapped or just at the outriggers. At correctional facilities, taut wire systems are typically installed as the inner fence providing both immediate detection and delay.

SPECIFICATIONS

- Fence Length: No limitation
- Fence Height: According to customer specifications
- Standard Configuration: 8 ft. vertical with a 40 in. outrigger
- Sensitivity: Fixed and independent of climatic conditions
- Deflection Force: 55 lbs. or more will activate alarm
- False Alarm Rate (FAR): 1 per km (0.62 miles) per 3 months maximum [standard configuration]
- Alarm System: Combined alarm system and physical barrier
- Alarm Resolution: Adjustable intrusion location resolution
- Temperature Range: -40° to 140°C
- Relative Humidity: Up to 95%
- Rain, Hail, Snow: Unaffected
- Dust, UV Radiation: Unaffected
- Corrosive Atmosphere: Stainless steel option for high corrosion environment (galvanized is standard)
- Lightning and Electronics: Meets MIL-STD-9094
- EMI/RFI: Meets MIL-STD-461/462
- Reliability:
  MTBF Detector: $4^6 \times 10^6$ hours
  MTTR: 30 minutes

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