



SabraFence™

The First Multiple Sensing Transducer for Perimeter Protection

Vibration
Event



Magnetic
Event



Temperature
Event



Active
Self-Test



Patent Pending

Over the years electronic fencing systems have provided high detection efficiency. They are not commonly used by the private & commercial markets due to high installation and maintenance costs.

SabraFence is an innovative cutting edge technology, multiple sensing transducer for perimeter and security systems designed to reduce the overall cost while maintaining excellent performance.

SabraFence can be installed on any type of fence, concertina coil, wall or perimeter obstacle.

SabraFence provides excellent detection resolution within each sensor in the chain.

Using CPU in each sensor provides the ability to analyze signals on the spot.

The sensor algorithms are adaptive, parameters are updated by the control center.

- Vibrations Detection
- Temperature Detection
- Magnetic Sensor
- Internal Vibrator for Self-Test

MAIN FEATURES:

- Easy to install and link to existing alarm systems
- No field processors, power or boxes necessary for sites up to 10,000 ft
- Multiple Sensing & Detection ability in the same Transducer & Communication lines
- Transducers are fully weatherproof – IP67 standard; an underwater version is available
- Active mechanical self test, using a coin vibrator – Patent pending
- Built-in temperature/fire detector
- Built-in magnetic sensor for passageway
- Easy interface either with Host Server, CCTV or off the shelf Alarm systems
- Easy installation – can be installed on any type of existing fence or wall
- Low price

- Innovation
- Novelty
- Affordable
- Excellent Performances
- Cutting Edge Technology
- Easy to Install & Configure

Commercial, Private, Civil, Industry, Governmental, Military



www.slingshotsecurity.com

Slingshot Security LLC
234A Columbia Ave
Fort Lee NJ, USA 07024
Tel +1(201) 731 0051/+1(201)218 5989
info@slingshotsecurity.com



Transducer Specifications

Resolution/intrusion detection

- ± 10ft, access to each node

General

- Vibration, Temperature, Magnetic and Active Self-Testing
- Internal computer algorithms & filters

Input voltage

- 12VDC Less then 500mA for a-250 transducers chain

Physical Data Input/Output

- RS485 with Sabra protocol

Data exchange with SabraHub

- Vibration Alarm with classification
- Temperature Alert/Alarm (Exceed High/Low Limits)
- Magnetic Event
- Line Tamper
- Event history
- Wind condition
- Live signal – Active self-test with internal vibrator engine.

Operating Temperature

- -40°F to +160°C

Humidity

- 0% to 100 %

SabraHub Specifications

Configuration

- Support 2 chain of up to 2460 ft each
- Expandable up to 4 chains of 2460 ft each

General

- X86 embedded PC platform
- Build in database storage
- Interfaces - USB, LAN, RS485, RS232
- Dry Contact I/O

Input power

- Less then 2A @ 5 VDC

Data exchange with Alarm System/External/remote Systems

- RS485 adaptive to any unique protocol
- TCP/IP

Physical Data Input/Output to Transducers

- RS485 with Sabra protocol

Data exchange with SabraFence Transducers

- Vibration Alarm with classification
- Temp Alert/Alarm (Exceed High/Low Limits)
- Magnetic Event
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- Event history
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System Architecture

