SabraFence™

The First Multiple Sensing Transducer for perimeter detection

Combined Internal & External Events on a Sensor Level

Internal Sensing

- Vibration Event
- Magnetic Event
- Temperature Event
- Active Self-Test (Optional)
- Smart Patrol

External Sensing

- Auxiliary Sensor

Communication

- Multi-Hub SDK Control
- RS 485

Monitoring Command OS

- External Alarm System
- Control Room
- LAN
- SabraHub
- SabraHub

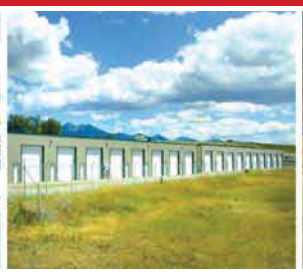
SabraFence is an innovated cutting edge technology multiple sensing transducers for perimeter and security systems.
It is an add-on system to any fence, wall or perimeter obstacle.
SabraFence provide excellent detection resolution within each sensor in the chain.
Using CPU on each sensor we provide ability to analyze signals on spot.
The sensor algorithms are adaptive and can be updated by user.

NOVELTY FEATURES:

- Easy to install in small to large sites and linked to existing alarm systems.
- Multiple Sensing & detection ability in the same Transducer & Communication lines.
- Transducers are fully encapsulated – IP67 standard.
- Decentralization the detection and analysis – CPU in each sensor.
- Active mechanical self test using coin vibrator – Patented pending. (Optional)
- Build-in temperature/fire detector.
- "Smart Patrol" - Magnetic based advanced patrol documentation system.
- Build-in magnetic sensor for passageway.
- Auxiliary sensor receives events from any external alarm devices.
- Multi-hub web based SDK control combines all the chains into one monitoring system that can be local or off site.
- Easy interface either with PC/Laptop or off the shelf Alarm systems using Sabra HUB.
- Easy installation – can be installed on any type of existing fence or wall.
- Affordable.

- Vibrations detection
- Temperature detection
- Auxiliary Sensor for external device events
- Web based Multi-hub SDK control
- Magnetic Sensing for passageways
- Internal Vibrator for Self-test (Optional)
- Smart Patrol

Commercial, Private, Civil, Industry, Governmental, Military



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SabraFence
Security. All Around

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The First Multiple sensing Transducer for perimeter detection

Transducer Specifications

Resolution/intrusion detection
- ± 3 meter (Tailor made to meet customer demands)

General
- Vibration, Temperature, Magnetic, Active Self-Testing (optional)

Input voltage
- 12VDC Less then 100mA for 750 meters (2460 ft) chain

Physical Data Input/Output
- RS485 with Sabra protocol

Data exchange with SabraHub
- Vibration Alarm with classification
- Magnetic Event
- Auxiliary for external device event (Conditions mechanism between the optical detector & the Vibrations sensors)
- Line tamper
- Temp Alert/Alarm (Exceed High/Low Limits)
- Live signal – Active self-test with internal vibrator engine (Optional).

Operating Temperature
- -20°C to 70°C (-4°F to 158 °F)

Humidity
- 0% to 100 %
- Fully encapsulated

Transducer Enclosure
- IP67 - Fully encapsulated
- Water & weather proof

Dimensions
- 90 x 30 x 45 mm (3.6" x 1.2" x 1.8")

SabraHub Specifications

Configuration
- Support 2 chains of 750 meters (2460 ft)
- Expandable up to 4 chains of 750 meters (2460 ft)

General
- X86 embedded PC platform
- Win XP, Win 7, OS
- Build in database storage
- Interfaces - USB, LAN, RS485, RS232
- Dry Contact I/O

Input voltage
- 13.5VDC less then 1.5A

Data exchange with Alarm System/External/remote Systems
- RS485 adaptive to any unique protocol
- Lan Full Network Access

Physical Data Input/Output to Transducers
- RS485 with Sabra protocol

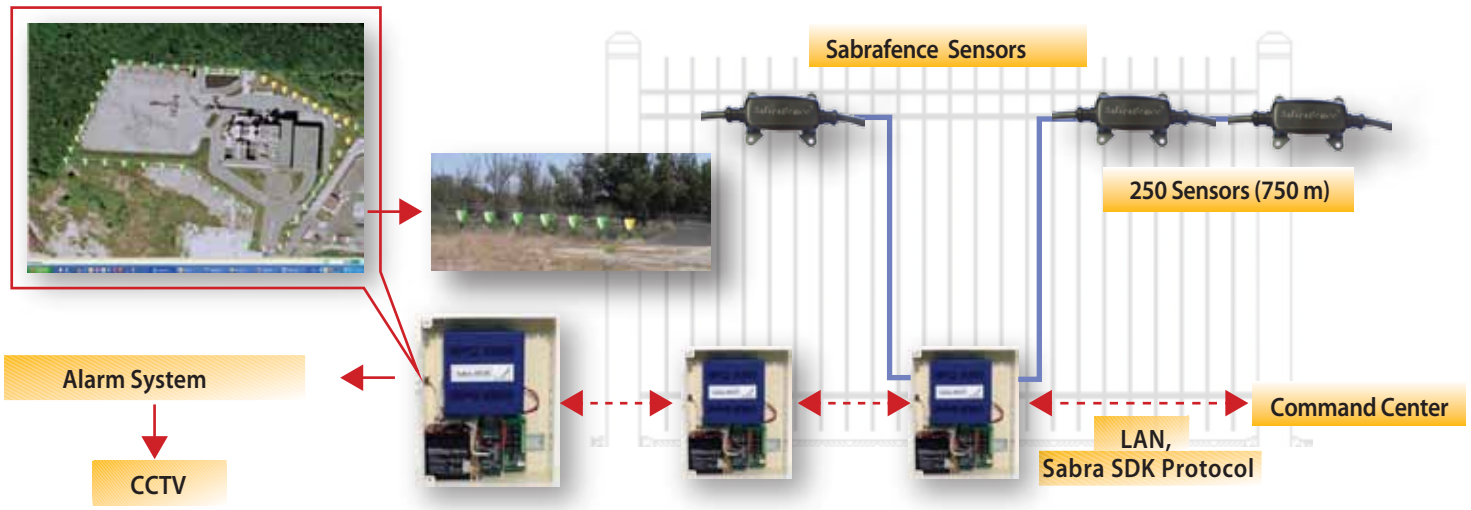
Data exchange with SabraFence Transducers
- Vibration Alarm with classification
- Temperature Alert/Alarm (Exceed High/Low Limits)
- Magnetic Event
- Line tamper
- Event history
- Wind condition
- Internal computer alogarithms & filters (wind, trend)
- Live signal – Active self-test with internal vibrator engine

Operating Temperature
- -20°C to 70°C

Humidity
- 95% at 40°C (104°F)

Hub Dimensions
- 165 x 190 x 50 mm (6.6" x 7.6" x 2")

System Architecture



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