SabraFence™

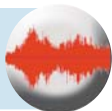## The First Multiple sensing Transducer for perimeter detection

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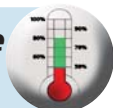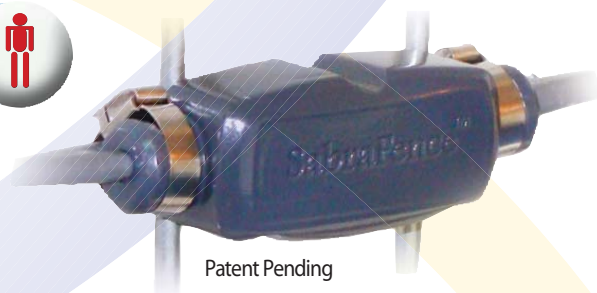- **Magnetic Event**
- **Smart Patrol**
- **Temperature Event**
- **Active Self-Test (Optional)** — Self Test

Patent Pending

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

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.
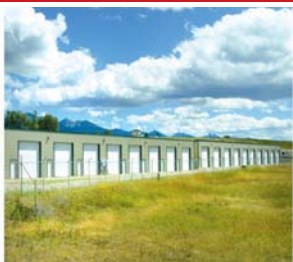The sensor algorithms are adaptive and can be updated by user.

- Vibrations detection
- Temperature detection
- Magnetic Sensing for passageways
- Internal Vibrator for Self-test (Optional)
- Smart Patrol

NOVELTY FEATURES:

- Easy to install in small and medium 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.
- Build-in temperature/fire detector.
- "Smart Patrol" - Magnetic based advanced patrol documentation system.
- Build-in magnetic sensor for passageway.
- 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.
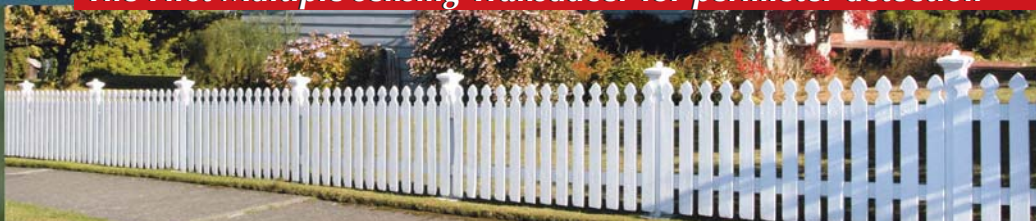- Affordable.

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

Commercial, Private, Civil, Industry, Governmental, Military

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BEN-OLIMP

SabraFence
Security. All Around

SabraFence™

The First Multiple sensing Transducer for perimeter detection

Transducer Specifications

Resolution/intrusion detection
- ± 3 meter (9.8 ft), access to each node

General
- Vibration, Temperature, Magnetic, Active Self-Testing
- Internal computer algorithms & Filters

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
- Temperature Alert/Alarm (Exceed High/Low Limits)
- Magnetic Event
- Line tamper
- Event history
- Wind condition
- 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
- 100 x 30 x 35 mm (3.9" x 1.4" x 1.4")

SabraHub Specifications

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

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

Input voltage
- 12VDC less then 1A

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

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
- Live signal – Active self-test with internal vibrator engine.

Operating Temperature
- 0°C to 50°C (32°F to 122°F)
  Optional (-20°C to 70 °C) (-4°F to 158 °F)

Humidity
- 95% at 40°C (104°F)

Hub Dimensions
- 150 x 190 x 50 mm (5.9" x 7.5" x 2")

System Architecture

MONITORING CENTER

ADVANCED ALARM SYSTEM

ANY ALARM SYSTEM

SABRA HUB

RS232

USB

DRY CONTACT

SABRA RELAY HUB

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