

ASF SABRA FENCE

S I M P L Y T H E B E S T



The First Multiple Sensing Transducer
for Perimeter Detection



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The **ASF Sabra Fence** uses innovative, cutting edge technology with Multiple Sensing Transducers for perimeter security systems.

The system can be installed onto any fence wall or perimeter structure.

The ASF Sabra Fence provides excellent detection resolution to within each unique sensor in the chain.

Using the CPU on each sensor the system has the ability to analyse signals on the spot.

The sensor algorithms are adaptive and can be updated by the end user to provide a stable and reliable system.

VIBRATION EVENT



SMART PATROL



MAGNETIC EVENT



ACTIVE SELF-TEST



TEMPERATURE EVENT



THE ASF SABRA FENCE TRANSDUCERS

The ASF Sabra Fence transducers can be installed on various structures, including perimeter fences. The sensors are IP67 moulded onto the cable for ease of installation at 5 or 3m centres.

The transducers identify intrusion attempts by sensing movement in the supporting structure using MEMS (Micro Electrical Mechanical System) technology. Each ASF Sabra Fence transducer also contains:

- A temperature sensor which detects unusual changes in temperature
- A magnetic sensor for use with the ASF Sabra Fence Magnet at gates and crossing points
- Smart patrol recording- identifies guard rounds passing each sensor through selection and recording on the control unit incorporating full reports

Each Transducer contains a processor which enables:

- Identification of each transducer on the perimeter using a unique IP address
- Control and monitoring of all transducers separately
- Update and modification of parameters and sensitivity of each transducer separately



ASF Sabra Fence Transducer 150m roll



THE ASF SABRA FENCE HUB

The chain of transducers connects to the ASF Sabra Fence Hub unit. The ASF Sabra Hub unit is an x86 platform-based computer running optimized Windows XP/7. The ASF Sabra Hub unit software performs several operations in parallel:

- Scanning the transducers in the chain- receiving a report about the condition of all the transducers
- Reporting events to various external units such as alarm systems, dry contacts or communications components
- Display the status of the transducers on the local user interface- used by technicians during installation
- Simultaneous recording of events on demand or exportable to other applications



FEATURES

- Easy to install
- Compatible with existing alarm systems
- Multiple sensing and detection ability
- Fully encapsulated transducers
- Built in temperature detection
- "Smart Patrol" - Magnetic based advanced patrol documentation system
- Built in magnetic sensor or passageways or gates
- Easy interface with PC/Laptop or off the shelf alarm systems using ASF Sabra Hub
- Cost effective perimeter security
- Over 2000 metres, 500 sensors, from a single point
- Windows 7 operating system with full graphic interface via ASF Sabra Fence Map View Software. Additional IO can be added via USB.

Effectively securing commercial, private, industrial and military sites



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TRANSDUCER SPECIFICATIONS

Resolution/Intrusion Detection

- Up to 5m (9.8ft), (3m for high security) access to each node

General

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

Input Voltage

- 12VDC Less than 100mA for 750m of chain

Physical Data Input/Output

- RS485 with Sabra Protocol

Data Exchange with ASF Sabra Hub

- 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

Humidity

- 0% - 100%
- Fully encapsulated

Transducer Enclosure

- IP67 – Fully encapsulated
- Water & weather proof

Dimensions

- 100x30x35mm

SABRA HUB SPECIFICATIONS

Configuration

- Support 2 chains of 1250m
- Expandable up to 4 chains of 750m

General

- X86 embedded PC platform
- Built in database storage
- Interfaces – USB, LAN, RS485, RS232

Input Voltage

- 12VDC Less than 1A

Physical Data Input/Output to transducers

- RS485 with Sabra Protocol

Data Exchange with Alarm System/External/Remote Systems

- RS485 with Sabra Protocol

Data Exchange with ASF Sabra Fence Transducers

- Vibration alarm with classification
- Temperature alert/alarm (exceed high/low limits)
- Magnetic event
- Line tramper
- Event history
- Live signal – active self-test with internal vibrator engine

Humidity

- 0%-100%
- Fully encapsulated

Operating Temperature

- 0°C to 50°C
- Optional -20°C to 70°C

Hub Dimensions

- 150x190x50mm

For your nearest agent please contact:

Australian Security Fencing Pty Ltd

PH: 04 4577 9633 FAX: 02 4577 3944

www.asf4u.com.au sales@asf4u.com.au

