

ASF SABRA® FENCE

ASF SABRA® CHAIN

Australian Security Fencing (ASF) Sabra® Fence System is a new and innovative, highly expandable and flexible Perimeter Protection System combining cutting edge electronics and complex mathematical algorithms to create a highly sensitive and sophisticated detection medium with environment cancelling controls.

This System uses Multiple Sensing

Key Features:

- Easy to install and re-locate
- 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, passageways or gates
- Easy interface with PC/Laptop or off the shelf alarm systems
- Cost effective perimeter security
- Over 2000m, 500 sensors, from a single point
- Windows 7 operating system with full graphic interface via ASF Sabra Fence Map View Software



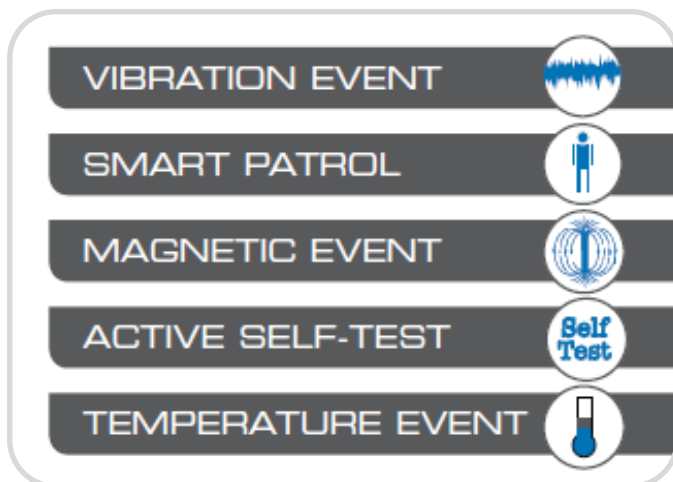
DESIGN

The ASF Sabra® Fence System provides excellent detection resolution to within each unique transducer in the chain. Using the CPU on each transducer, 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.

The ASF Sabra® Fence Wide Area System, connects multiple ASF Sabra Fence Hubs, creating seamless, single network of detection that may cover many hundreds, even thousands of sensors distributed along kilometers of perimeter lines, or security sensitive infrastructure.

Installation

Installation of ASF Sabra® Fence System is a fast and simple process for most applications. The ASF Sabra Fence Transducer is specially shaped to allow mechanical fastening via a bolt and nut, or a screw or similar. Alternatively the transducer can be affixed via ties to the structure.



The specifications and descriptions of products and services contained in this data sheet were correct at the time of publishing. ASF reserves the right to change specifications or withdraw products without notice.



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Protecting your interests

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ASF Sabra® Fence Transducer

The ASF Sabra® Fence Transducer can be installed on various structures including fences, walls, supporting structures and can even be used in non-fencing applications such as Conduits, Pipelines, Radio Towers etc. The sensors are IP67 moulded onto the cable for ease of installation at 5m or 3m centres and can be used in fully or partially submerged applications. Each Sensor identifies intrusion attempts by sensing movement in the supporting structure using MEMS (Micro Electrical Mechanical System) technology. The digitized response is then analyzed by complex mathematical algorithms to detect between true attacks, random false alarms or environmental events.



Each ASF Sabra® Fence Transducer also contains:

Temperature sensor which will detect changes in temperature.

Magnetic sensor for use with the ASF Sabra® Fence Magnet at gates and crossing points.

Smart patrol recording which identifies guard rounds passing each sensor through selection and recording on the control unit.

Each Transducer contains a processor which enables:

Identification of each transducer on the perimeter using a unique "MAC" address. Control and monitoring each transducers separately. Update and modification of parameters and sensitivity of each transducers separately.

Transducer Specifications

PHYSICAL

Weight

12ks per Roll - Typically 2 Rolls to a Box = 24Kgs

Length

5m - ~165m (nom) = 30 Sensors 3m - ~150m(nom) = 50 Sensors

Max Chain Length

250 Sensors (Both Sizes) or ~1250m (including Leadout) (w/o Repeater)

Operating Temperature

-20°C to 70°C

Humidity

0% - 100% Fully encapsulated

Transducer Enclosure

IP 67 - Fully Encapsulated Water and Weatherproof

Sensors Dimensions

100mm x 30mm x 35mm

ELECTRICAL

Input Voltage

5-12VDC less than 250mA for 750m of chain.
Fully self contained within Cable.

Connections

Physical Data Input / Output

Industry Standard RS485 with Sabra® Protocol over 2 wires

General

Resolution / Intrusion Detection

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

Sensing Types

Vibration, Temperature, Magnetic, Active Self-Testing, External Auxiliary Contact, Taut Wire, All with Internal computer algorithms and

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