

Repels

Portable / Relocatable Outdoor Sensor



Portable

Rapidly Deployable

Easy Setup

High Probability of Detection

Low False Alarm Rate

Battery-powered for operation of 5 months or more

Repels® is a portable outdoor security sensor that operates like a radar fence. It creates an invisible electromagnetic detection zone along the path of two parallel cables that are supported by poles driven into the ground.

Repels is designed specifically for perimeter protection and has none of the limitations of line-of-sight sensors. The system can be installed in any terrain and can handle perimeters of any shape. Repels performs as well on hills, wooded areas, and around corners as it does in flat, straight applications.

One unit protects a perimeter of 100 m (328 ft). Multiple units can be linked to cover longer distances. When the cables are mounted 15 cm (6 in.) and 1.2 m (4 ft.) above ground, the resulting detection field is typically 2 m (6.6 ft.) wide, centered on the plane of the cables, and 2 m (6.6 ft.) high.

The system takes less than 30 minutes for one person to set up. Once the support poles have been placed in the ground, the required amount of cable is reeled out of the processor unit. No cable cutting, connections or fine tuning is required. Once the system is in place, it is ready to use. Simply turn on the power.

Like Senstar-Stellar's other outdoor perimeter sensors, Repels is largely unaffected by small animals, foliage or the environment, resulting in low false and nuisance alarm rates and a high probability of detection.

Repels features a battery powered transmitter and receiver capable of operation for five months or more, along with a soil deployment kit.

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FEATURES AND BENEFITS

Guided radar intrusion detection

- Deployable on perimeters of any shape, all types of terrain and in all weather conditions

Radio-frequency sensor operating in the low VHF band

- Highest performance to detect humans and avoid false/nuisance alarms

Large detection zone

- Difficult to defeat

Well contained detection zone

- Requires narrow clear zone and provides maximum area within perimeter

Rapidly deployable

- Carried by one person, 30 minute set-up, battery powered

SPECIFICATIONS

Components

- Processor unit and carrying bag, including a transmitter, receiver and 2 cables on a built-in cable reel
- Soil deployment kit: includes support poles, tension cords, hammers and instructions

Perimeter length

- Any length up to 100 m (328 ft) - Multiple units can be deployed for longer perimeters

Detection zone

- Typically 2 m (6 ft) wide, centered on the cables and from the ground to 2 m (6 ft) high

Performance

- Very high probability of detection together with low false alarm rate; immune to false alarms from small animals, wind, rain, snow, blowing debris, etc.

Power source

- D-size (or equivalent U2 or LR20) alkaline batteries; processor: 5 cells, transmitter: 2 cells

Battery life

- Typically 5 months for processor and 15 months for transmitter batteries, at 20°C (68°F)

Controls

- Power/reset switch and sensitivity switch on processor

Indicators

- 3 LED's on the processor for intrusion, RF power fault and low-battery alarms
- 1 LED on the transmitter for battery test

Outputs

- Separate Alarm and Fault relays
- SPDT (Form C), 1 amp @ 30VDC

Size and weight

- Processor unit (in carrying bag): 41 x 43 x 18 cm (16 x 17 x 7 in); 8 kg (18 lb.)
- Soil deployment kit (in carrying bag): 173 x 25 x 25 cm (68 x 10 x 10 in); 12 kg (27 lb.)

Environment

- Temperature -40° to 68°C (-40° to 155°F)
- Components are water-resistant

* Specifications subject to change without prior notice.



ISO 9001:2000
CGSB Registered
Certificate 95711

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