SensoGuard
vital protection

SG-1 Seismic Detector

The **SG-1** is an outdoor seismic detector, which can be integrated with existing security systems.
**SG-1** is installed underground and is able to recognize footsteps and vehicles.
SG-1 is resistant to extreme environmental conditions, such as weather& temperature changes,
a large variety of terrains, no interference by vegetation, strong winds etc.

How it works:

When an activity is registered in the protected area, the seismic sensor (Geophone) produces a
signal which is processed in real time through the advanced algorithm, identifying which type of
activity has been registered; walking, vehicle etc.
The **SG-1** has been developed according to the highest standards and designed to work for many
years without maintenance.
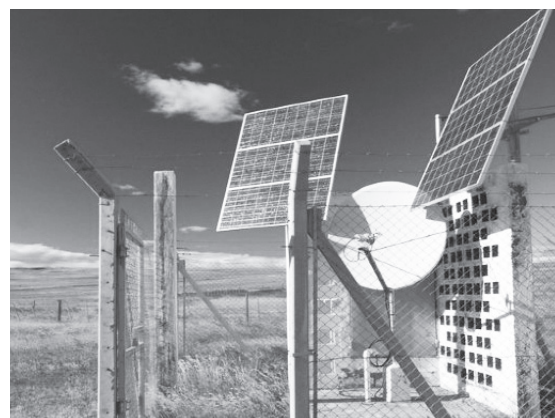
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SG-1 cutting edge technology provides the ideal protection:

- **Reliability:** A unique cutting edge algorithm, developed especially by SensoGuard. Automatically and continuously calibrated to environmental influences, keeping the false alarms rate at an absolute minimum.

- **Event Classification:** The SG-1 algorithm classifies the threat and can be configured to different sensitivity levels for each potential threat.

- **Invisibility:** The Detector installed underground cannot be detected by intruders, and does not change the area's appearance. This results in a system which can neither be bypassed nor sabotaged.

- **Outputs:** SG-1 includes solid state relay outputs (N.O, N.C) which provides silent operation and longer operating life compared to electro-mechanical relays.

- **Low Power Consumption:** The detector consume only 3mW and can be operated by batteries

Specifications:
Detection radius: up to 12m (depends on Sensitivity and area terrain)
Detection pattern: circular (360°)
Power supply: 3 to 24VDC
Operating voltage: 3mW (1mA@3V)
Outputs: Dry contact N.O, N.C, SSR
Operating temperature: -30ºc - +70ºc
IP rating: IP66
Dimensions: 9.5cm x 9.5cm x 5.7cm

Invisible System   Wind Resistant   Fog Resistant   Ultra Low Power   -30°c - +70°c   Maintenance Free

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