

Sensor Coil 600

Perimeter Detection System



FEATURES

- **Formidable physical barrier integrated with proven detection system**
- **Easily deployed over most terrains and structures**
- **Rapid installation process**
- **High quality audio output**
- **Substantial intruder/escapee delay factor**

Sensor Coil 600 is a unique product which has successfully integrated a formidable physical barrier assembly with a high performance intrusion detection system.

This patented system provides a solution which is flexible enough to be installed on open ground areas, buildings, walls, fences and roofs, without the need to resort to the wide range of technologies normally proposed for such diverse applications.

The system, manufactured by DeTekion Security Systems, comprises the Geoquip 'ALPHA' high performance sensor, embedded within the concentric structure of a barbed tape security coil.

The barbed tape construction of the barrier coils ensure maximum delay to potential intruders/escapees, while the integrated detection system signals the commencement of any hostile activity, thereby enabling a rapid response by security personnel.

The barbed tape coils are constructed in a concentric format, using high quality austenitic stainless steel to ensure mechanical reliability and exceptional corrosion resistance, even in the most hostile of atmospheres.

The barbed tape coils can be provided in both 30 inch and 40 inch outside diameters, each having the **ALPHA** sensor integrated into the construction of the inner coil.

The **ALPHA** sensor provides broad spectrum audio signals in response to any hostile activity which disturbs the barbed tape coils, thereby minimising the need for complex electronic signal processing techniques, which are required to enhance the performance of other poor quality cable sensor systems.

The signal processing functions are provided by the Defensor signal analyser, which has been specifically designed to operate with the **ALPHA** sensor. The Defensor analyser offers industry standard features, such as 12 volt DC supply requirements and alarm and tamper relay contact outputs to facilitate simple connection to a variety of annunciation and control equipment. The Defensor analyser also offers Geoquip's unique dual channel signal analysis process for maximum flexibility and optimum performance under most conditions.



Specifications

Applications: A perimeter barrier with integrated detection system suitable for use in most applications including open ground deployment and building protection.

Barbed Tape Barrier Details

Zone Lengths: 15 metres - 150 metres
 Barrier Diameters: 0.76 metres (30 inches) OR 1.0 metres (40 inches)
 Operating Temperature: - 40°Celsius - + 70°Celsius
 Installation/Maintenance: By Geoquip approved personnel only

Detection System Analyser Details

Power Requirements: Voltage Range: 10 - 24 volts DC
 Current Drain: 60mA @ 12 volts DC
 Audio Output: 0dBm in 600 ohms
 Alarm Output: Dry relay contact with link option to select normally open or normally closed contact configurations.
 Tamper Output: Dry relay contact with link option to select normally open or normally closed contact configurations.
 Relay Contact Ratings: Maximum switched voltage: 110VAC or 30VDC
 Maximum switched current: 300mA AC or 1.0A DC
 Maximum switched power: 30VA or 20W
 Lightning Protection: By transformer isolation and semiconductor surge suppressors.
 Internal Indicators: Relay Indicators: Alarm relay status LED
 Tamper relay status LED
 Attack Indicators: Impact mode attack LED
 Continuous mode attack LED
 Supply fuse indicator: Fuse blown LED
 Internal Controls: Event Counter, Time Window, Impact Attack Sensitivity, Continuous Attack Sensitivity.
 All adjustments by 10 position rotary switches.
 Warranty: 12 months from date of invoice

For more information contact:

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