



Sensor Coil 600

PERIMETER DETECTION SYSTEM

Introduction

DeTekion Security Systems, Inc.'s Sensor Coil 600 integrates the Defensor 100 cable into a stainless steel Barbed Tape Security Coil. The combined product produces a unique sensor/barrier assembly that mounts in almost any configuration.

Sensor Coil 600

DeTekion Security Systems, Inc.'s Sensor Coil 600 uniquely combines a highly reliable Perimeter Detection System with a Barbed Tape Security Coil. This patented design presents a fierce physical barrier that adapts to any contour. Sensor Coil 600 mounts on existing walls, roofs and fences without expensive modifications. The Barbed Tape Security Coil deters and delays escape while the built in microphonic cable detects and assesses any attempted penetrations.

Features

- *Formidable Physical Barrier*
- *Reliable Detection Capability*
- *Highly Flexible — Integrates Well with any Contour or Building*
- *Rapid Installation*
- *U.S. Patented Product*
- *Optional Self-Verification via Audio Output*
- *Superior Delay Effect*
- *Weather Resistant and Robust Construction*
- *Highly Defeat Resistant*
- *Modular in Design*

Detection Capability

The Sensor Coil 600 utilizes the Defensor 100 cable and analyzer. The Defensor 100 cable is a patented microphonic cable that uses a Spirawire process. It allows high levels of detection from frequency response produced by the cable without the need for complex electronic processing or increasing the amplitude of the signal. Detection is provided along the entire length of the coil.

The Defensor 100 cable is analyzed using two separate channels, each individually adjustable, into alarm outputs. Self verification is optional via the audio output which allows the activities at the Sensor Coil 600 to be monitored by sound. Industry standard alarm and tamper outputs enable connection to standard monitor and control equipment.

Barbed Tape Coil

The Sensor Coil 600 is constructed with a rigid double coil quality austenitic stainless steel barbed tape assembly. Units are provided in 30" or 40" (outside) diameter coils. The inner coil, which houses the sensor, is permanently connected to the outer barbed tape coil.





Specifications

Application	Attaches to perimeter fences, buildings and roofs.
Zone Length	Dependent upon fence type condition, camera location, system design and personnel response
Fences	Recommended maximum 200m
Buildings	Recommended maximum 250m
Roofs	Recommended maximum 250m
Dimensions	Outside diameter 30" or 40" Maximum coil length 50'
Operating Temperature	-40°C to +70°C
Electro Magnetic Compatibility	Complies with the requirements of BS EN50081-1 and EN50082-1
Maintenance & Installation	Routine inspection by any DeTekion approved installer.
Inputs	Remote self-test
Outputs	Switchable relays between Form A and Form B
Contact Rating	Voltage 110V AC or 30V DC
Current	.03a AC or 1.0a DC. Power — 30VA or 20W
Audio Monitoring	0dBm into 600 ohms
Lighting Protection	Transformer isolation and transistor suppression diodes on sensor input Spark gaps on signal outputs.
Internal Indicators	Alarm and tamper relay status indicators. Events and climb indicator PCB fuse indicator, all indicators are LED's
Internal Controls	Sensitivity, Two independent Sensitivity Controls. Events Timer — Selectable 1-9. Selectable in 30 second intervals. Range 30-270 seconds.
Power Requirements	10-24V; 60mA at 12V, Reverse polarity and overvoltage protection with fused input as standard
Warranty	12 months from date of approved installation



DeTekion Security Systems, Inc.

3209 Vestal Parkway East
 Vestal, New York 13850
 Phone 607-729-7179
 Fax 607-729-5149