



CLIMB DETECTION SYSTEM

CDSPOT
Datasheet



THE STINGER CDSPOT CLIMB DETECTION SYSTEM



1. GENERAL

The Stinger ClimB Detection System is a patented system which has been primarily developed to increase the security level of electrified fence systems. Intruders have found clever ways to by-pass electric fence structures, which now necessitates the addition of a secondary, independent monitoring system.

The principle of the CDS system is based on the measurement of transmission variations in a fibre-optic cable due to mechanical stress variations in the electric fence wires. The signals which are caused by differential stress variations in the fence wire, caused by tampering, is tested against presentable parameters which determines if a particular disturbance is indeed caused by tampering.

A sensor unit is typically to be mounted in the centre of a strain section (max. 100m).

A unique feature is that communication and power supply can be transmitted via the existing electric fence wires

2. KEY FEATURES

1. Will detect any form of tampering by wedging or cutting electric fence wires
2. Can be retro-fit to most existing free-standing and wall-top fences
3. Modular design for ease of maintenance and installation
4. Fully integrated with Stinger systems
5. Stinger 2-wire communication can be used on existing electric fence wires
6. No cabling required to various units
7. 100% Zone accuracy at 100m spacing
8. Up 255 units can be installed on one system
9. Works entirely independent from the electric fence system
10. Can be integrated with perimeter camera systems
11. The system is fully controllable via the Stinger management software package
12. Optional integrated SMS functionality for the display / control unit

3. SPECIFICATIONS

Sensor Unit

Specification	Rating
Max. nr of sensor assemblies per unit	30
Supply voltage	8 – 26V DC
Supply current	8 mA at 24V AC
Communication	RF encoded via 2 wire system
Nr. of addresses	255 Software programmable
Presettable parameters	Sensitivity, integration time, alarm- and trigger level
Addressing	Via dedicated Stinger diagnostic software or LCD remote unit

LCD Remote Control Unit

Specification	Rating
Supply voltage	13 – 26V DC
Supply current	20 mA at 24V DC
Communication	RS485
Nr. Of sensors supported :	13

Stinger System Management software

- Can support up to 255 sensors
- Can be used in conjunction with the SDS, BS102 and the BS120 systems
- Displays the site map and zone position, in case of a violation, on the computer screen
- Stores events in a log file for later retrieval and for control of guard performance

Examples of fence by-pass methods



Installation example

