

## **REMCON SENSOR CABLE SYSTEM: Model No.: RSCS 5M**

**REMCON SECURITY SYSTEMS, manufacturing** active fence systems in India and we are glad to introduce another quality, robust and reliable product in the line of Security i.e. **REMCON SENSOR CABLE SYSTEM** (Model No.: RSCS). Basically, it is a Perimeter Intruder Detection System (PIDS) suitable for most critical sites like Defense, International Borders, Metro Depot/Warehouse, Establishments, Manufacturing Units, Sub-stations, Pipelines, Airports, Prisons and various similar applications.

### **Overview:-**

Generally, all the sites shall have Boundary wall / Chain link mesh / Welded mesh / Wall top razor fence etc. to protect their premises from intrusion. Any type of intrusion at above said premises will not give any indication to the User. RSCS can be installed on any type of premises and provide indication to the User upon intrusion upto a resolution of 3 to 5 meters. In addition, it also has Temperature as well as magnetic sensors which can be used for fire detection and Gate intrusion respectively. RSCS can easily be integrated to integrated security solution with control & command center application.

RSCS is the best possible solution for Intrusion detection upon intruder breaching and suitable for all types of security fencing.

### **Features:-**

- Excellent detection resolution of 5 meters (Maximum)
- User defined perimeter Zone length
- Unlimited perimeter Zones
- Microcontroller based indigenously developed technology
- Easily expandable
- Alarm generation at field and / or at Control room
- Programmable Sensitivity to meet site requirements
- Mounting of Sensors can be carried out on Walls / Mesh / Concertina coil / Wire or any surface
- No false alarm will be raised against any type of heavy vehicular traffic / heavy machinery / rivers or streams / strong winds
- Zones shall be allotted based on the location of Cameras or as per User requirement.
- User friendly and flexible to meet stringent site conditions.

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### **Climatic conditions Operation:-**

- Operating temperature: -30deg C to +70 deg C
- Humidity: 0 to 100% non-condensing
- UV protection
- Rainfall: Upto 25 mm /hour
- Snowfall: Upto 30 cm /hour

**REMCON Sensor Cable System** consists of Sensors which are placed at every 5 meters (recommended) all along the proposed perimeter. Each sensor will have 3 types of Transducers namely Vibration sensor to detect any intrusion, Temperature sensor to detect any Fire or similar kind of activity and Magnetic sensor widely used for detection across Perimeter gates.

Out of the three Transducers Vibration sensor is widely used in Perimeter Intrusion Detection Systems also called as PIDS. All the sensors are connected to TCP/IP Node Controllers (NC) which is Microcontroller based Software driven unit to monitor all three Transducers. Any type of violation in the specified parameters will be immediately detected and the data is communicated to security central control room or alarm annunciation can be done directly in field activating hooter, security lights. This system is directly integrated with ISC of REMCON Making it a true offline system for areas with high security requirements.

All types of False alarms including Wind, Trend, Heavy vehicular traffic etc. are avoided by indigenously developed PIDS using Artificial Intelligence, Filters and Adaptive Technology.

PIDS will detect the natural and abnormal activities which almost eliminate false Alarms and increases the intrusion detection capability.

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### Alarm Generation:-

- Climbing on the Wall / Mesh / Fence / Coil / Wire / Glass / Iron sheets etc.
- Applying pressure on security fencing
- Moving / stretching the Sensor or Sensor cable or Fence connected to it
- Cutting / damage of Cable or cutting of fence connected to it
- Tampering of Sensor or Node Controller
- Loss of Communication from Node Controllers
- Extreme variation in temperature
- Gate open alarm
- Any other parameter in consultation with User (Optional)



**Sensor Fence**

### TRASDUCER SPECIFICATONS:-

- Every Sensor has a special address for communication and setting Sensor specific settings.
- 3 Meter (Radius) detection
- Contains vibration, magnetic and temperature sensor
- Weather proof IP67
- In built controller to process sensor data
- Power consumption: Less than 15 mW per Sensor.
- Easy to fix on any surface either with cable ties or hardware.

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