

Vibration Fiber Optic Cable Perimeter Intrusion Alarm

Intrusion attempts are detected by motion and vibration disturbance in the light transmission through the fiber optic cable. It can be installed on an existing perimeter fence or barrier or buried underground.

It adopts optical fiber vibration sensing technology, to detect and notify any intrusion attempt such as climbing, cutting sabotage the fence or disassembles the system.

The Vibration Fiber Optic Perimeter Alarm System is a high-precision intrusion detection solution used in critical infrastructure such as chemical storage facilities, refineries, and secured industrial zones.

The RaySense system can monitor the vibration signals along the length of the fiber optic cable, locate an intrusion event, and classify the specific signatures based on the detection algorithm.

Our solution is perfect for perimeter intrusion detection, especially over long distances. Once triggering vibration alarm, it can be linked to video review, enabling multi-dimensional perception and ...

In this paper, a vibration sensitivity adjustable zone-proof fiber optic perimeter security system based on less data pattern recognition is proposed. By changing the length of delay fiber in ...

The fiber optic vibration sensing perimeter security system can effectively detect illegal intrusion, suitable for any environmental, climatic, and geomorphic characteristics, and can reliably ...

By co-locating our sensor with data fibers, we can detect disturbances created when an intruder tries to tap or compromise the data cables with malicious intent or by accident. The perfect solution for ...

Vibration and temperature detection achieved through advanced fiber optic cables. Highly accurate, sensitive to vibrations, covers long distances without signal loss, and resists environmental factors ...

The system is based on fiber optic vibration monitoring technology. By attaching the fiber optic sensing cable to the external perimeter or on key assets you can detect the vibrations associated with ...

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