

Overview

The PIDS-F6 is an innovative and cost effective 6-channel intrusion detection system. It can be deployed on a wide variety of fence sizes and fabric types. It is the best versatile intrusion detection system without outdoor active device for chain link fences on the market. The fiber optic sensor cable detects motion, vibration and changes in pressure. In combination with its advanced digital signal processor, it can be used for a wide variety of chain links, expanded- metal or welded-mesh fence. It requires only that the fence fabric be securely connected to posts and other support members.

The advanced digital signal processor allows the installer the flexibility to adjust the system for loose, tight, heavy weight, light weight, short or high fence types. This alarm processor is able to distinguish an intruder and other signal sources such as wind in fences, vibrations due to nearby vehicles, and other ambient disturbances.

The PIDS-F6 can be used as a standalone system, or multiple units can be “daisy-chained” together to protect large sites. Each standalone system provides up to 6 sensor channels via single mode fibers, each channel can be used as one zone. Alarm tamper and trouble signals can be connected to the security monitor room by relay form “C” by communication line RS-232 via copper wiring, or on a fiber optic communication ring supported by the Fiber Security Network Equipment from Vilink.

Fiber optic intrusion detection has some important benefits over other technologies. One is immunity to electrical interference, particularly important for installations near high voltage electrical equipment or in areas subject to lightning strikes. Another benefit is the ability to protect larges areas. Vilink fiber optic intrusion detection system can be configured up to 3,000 meters per zone and Vilink fiber optic communication equipment can configure over 1,000 Zones in a fully redundant ring.



Features

- *Fast and Easy Installation*
- *6-Channel Standalone System*
- *Enhanced Nuisance Rejection with Optimized Signal Processing*
- *No Active Devices on the Fences*
- *Detect Cutting, lifting and climbing and reject fault environment stimulation such as rain, wind, and near by vehicles*
- *Build-in RS-232 Network for Short Range Communication*
- *Provide 6 Relay Alarm Outputs*
- *Immunity to Electrical Interference*

Applications

- *Oil & Gas Refineries, Large Industrial Complexes Security Systems*
- *Airports, Harbors and Transportation Hubs*
- *Metro Stations and railroads*
- *Power Plants, Water Treatment Plants*
- *Military bases, Government facilities, Prisons*
- *US Borders, all remote area borders*

Ordering Information

Model	Descriptions
PIDS-F6	6-Ch Fiber Optic Perimeter Intruder Detection System
<small>*** Please Consult Factory for Additional Model Numbers***</small>	

Specifications

System:	
Method Of Detection	Fiber Optics Sensor
Leading Fiber	Customized
Sensing Sector	Standard Fiber Length Available
	Area & Length customized
Max Detection Length	3000 meters
Max Detection Area	720 m ²
Sensing Sectors	6 channels
Sensor Sensitivity	Uniform over entire fiber
Output Alarms	Relays, Audio, LED, LCD
Fiber Connectors	SC
NMS	GUI
Environment:	
Operating	-34 ^o C to +74 ^o C Sensors -10 ^o C to +50 ^o C Mainframe
Storage	-40 ^o C to + 95 ^o C
Humidity	98% Non-Condensing
Physical:	
Standalone	17.0" x 3.5" x 12.5"
Weight	10 lbs
Power	90 ~ 240 VAC

Accessories



Cable Junction Box



Leading cable
2 fiber cores
Diameter = 6 mm
Armored Coating
Max: 2 Km/coil



Leading Junction Box



Sensing Junction Box



Sensing cable
1 fiber core
Diameter = 10mm
Max: 250 m/coil
Armored for Fence
PE for Underground



Terminal Junction Box



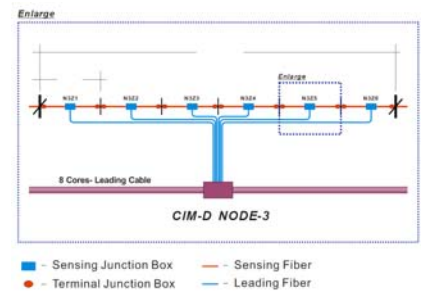
1 ~ 6 Ports splitting module



Leading cable
8 fiber cores
Diameter = 10 mm
Armored Coating
Max: 8 Km/coil

- Enable Map & Event Log Software
- Network Management Software (NMS)
- Data Analysis Software (DIS)

Applications



Typical PIDS-F6 Application