HIGH PERFORMANCE
HIGH RELIABILITY
HIGH SECURITY

Fiber SenSys®
PERIMETER SECURITY

FD33X Fiber-Optic Intrusion Detection System

Versatile, Outdoor Perimeter Security Protection

*For high performance intrusion detection and nuisance alarm discrimination, combined with versatile perimeter detection alternatives, the **FD33X** series Fiber Optic Intrusion Detection System offers end-users a high-reliability system.*

Designed specifically for government, industrial and commercial applications, **Fiber SenSys®** has developed the **FD33X** Fiber-Optic Intrusion Detection System, a one or two zone fiber-optic perimeter security sensor.

- **One or two detection zones, up to five kilometers each**
- **IP/XML communication option**
- **DSP signal processing for accurate detection**

Dual Communication Zones

The **FD33X™** Alarm Processor Unit (APU) provides zone protection for one or two channel sensor cable deployments and enhanced intrusion detection. A perimeter fence or wall detection zone can be complemented with other wall / fence zones using the second channel. The **FD332** offers independent channel calibration and utilizes Digital Signal Processing (DSP) to provide anemometer compensation for wind. The **FD332,** as a dual-zone system, also ensures reduced overall system cost, power and alarm communication requirements when compared with using two separate alarm processors.

Proven Reliability

The **FD331/FD332** security system includes fiber that is immune to the effects of EMI, lightning, magnetic fields and radio frequency transmissions. Enhanced digital signal processing (DSP) capabilities are included to filter out sensor cable signals from non-threat events such as wind, weather and wildlife. Made in America, the **FD33X** guarantees users the system performance, reliability and capabilities required for a dependable perimeter security system.

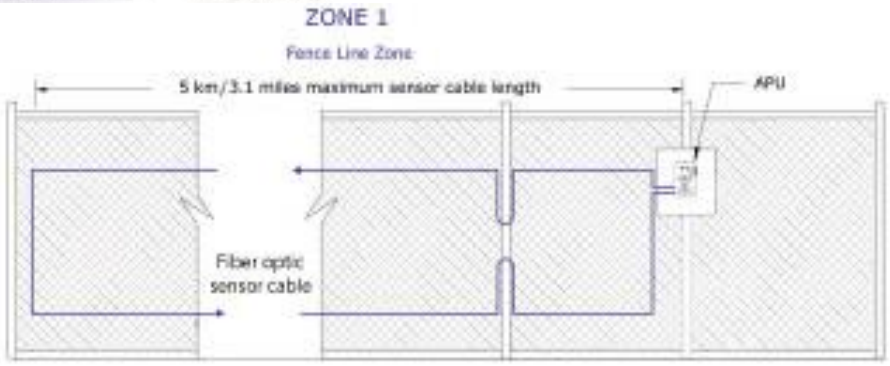
- **Anemometer for wind compensation reduces false positives**
- **Sensor cable immune to EMI, RFI and lightning**
- **Completely inert and intrinsically safe**

Fiber SenSys®

2925 NW Aloclek Drive, #120
Hillsboro, Oregon 97124, USA
Tel: +1(503)692-4430 • Toll free (US) +1(888)736-7971
www.fibersensys.com

Dual Zone Protection

*The **Model FD331/332** is uniquely suited to monitor and protect two zones from a single alarm processing unit. The **FD332** dual zone protection can include a fence or a wall zone. The **FD332**'s channels are calibrated independently to set optimal detection sensitivity levels. Each channel provides zone coverage of up to five kilometers with individual settings to ensure that the **FD332** screens out sensor signals from non-threatening events, like wind, while focusing on events caused by genuine intruders.*



CLASS 1 LASER OUTPUT
This product complies with 21 CFR 1040.10

CE

FD33X Technical Specifications	
Parameter	**Specification**
Application	Perimeter fence or wall application
Sensor	Passive, optical fiber; resistant to EMI, RFI and corrosion
Installation	Sensing fiber in conduit; conduit attached to fence with stainless steel wire ties
Number of zones per APU	FD331 (Single-channel – 1 zone) or FD332 (Dual-channel – 2 zones)
Maximum sensing cable per zone	5 Kilometers (3.1 miles/16,400 ft.)
APU electrical power	Input voltage: 12-24 volts Power: 3 Watts @ 12 to 24 VDC
Communications	RS-232 serial communications, IP/XML communications
Non-sensing lead-in fiber	No
APU Memory	Stores data from up to 24 alarms
Tuning parameters	• Sensitivity (for cuts and climbing) • Number of events before alarming (for cuts and climbing) • Low-frequency cutoff (for cuts/climbing) • Wind rejection • Tamper (enable/disable) • Alarm relay time

For more information, contact us at
info@fibersensys.com
Tel: +1(503)692-4430
Toll free (US) +1(888)736-7971

Fiber SenSys®

High Performance – High Reliability – High Security