

Features

- 10 km Remote Operation
- No Field-Based Electronics
- Up to 2 km Zones
- Compatible with FSN
- DSP-Based Frequency Domain Processing
- Adaptive Wind Processing

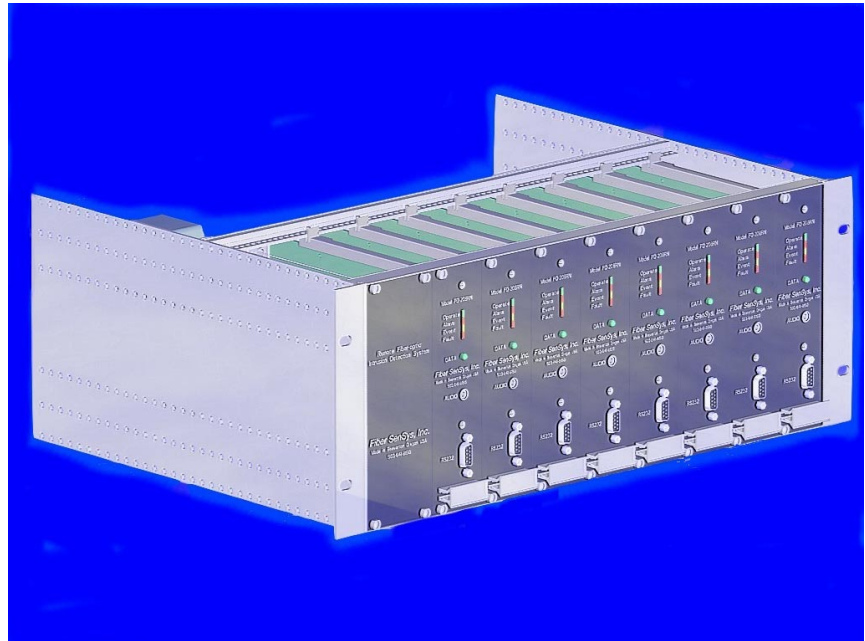
Applications

- Military
- Corrections
- Estates
- Information
- Security
- Campus
- Commercial

Deployment

- Fences
- Buried
- Walls
- Secure Data
- Gratings
- Rooftops
- Lawns
- Beaches, etc.

Fiber Defender Model 208



Fiber Defender Model 208R rack-mounted unit

The Ultimate in Fiber-Optic Intrusion Detection

The Fiber Defender Model 208, the latest addition to the Fiber SenSys FD Series, is the most versatile fiber-optic intrusion detection solution on the market.

Available as a stand-alone or rack-mounted system, the FD208 may be located up to 10 km (6.2 miles) from the protected site. A low-cost fiber-optic insensitive lead links the control room to the site perimeter, where it connects to Fiber SenSys multi-mode fiber sensing cable.

Keeping all the system's electronics in the control room eliminates the need for costly equipment and power distribution installations in the secured area.

'Smart' DSP Analysis

Advanced digital signal processing makes the FD208 smarter than the competition. This means it does a better job of detecting and analyzing disturbances – the DSP and micro-controller can tell the difference between intrusion and nuisance signals. Wind has long been the biggest single problem for outdoor intrusion sensors. The FD208 has a special algorithm that continuously adjusts the APU to ensure maximum performance.

FD208 Stand-Alone

The FD208 stand-alone unit comes in a sheet metal enclosure, designed for remote mounting in locations where a rack would not be suitable.

The FD208 requires 12 to 24 VDC and provides alarm annunciation through relay contact or, optionally, the Fiber SenSys Security Network.



FD208 Stand-alone unit

Stand-alone Specifications

| | |
|-----------------------------|--|
| Input power requirements | 3 watts at 12 to 24 VDC at 25°C |
| Operating temperature range | -30° to 55°C |
| Communications | RS232C and FSN-compatible |
| Size | 6.5" X 8" X 1.5" |

FD208 Rack Mounted

Each alarm processing card supports up to 10 km of insensitive cable and 2 km of sensing cable. Eight processors fit into a rack and each rack contains a fiber communications adapter for full remote control and integrated alarm reporting. Up to 16 racks can be linked for monitoring by a single control system through our Fiber Security Network. Up to 128 zones may be interconnected in a single system control.

The FD208R features alarm processor plug-in cards with individual RS232 front panel connectors. Each rack comes standard equipped with an FSN module.

Rack-mount Specifications

| | |
|-----------------------------|--|
| Input power requirement | 120/240 VAC @ 1 ampere |
| Operating temperature range | 0° to 55°C |
| Alarm outputs | 1 amp N.C./N.O. relay contact |
| Communications | RS232C and FSN-compatible |
| Size | Standard 19-inch rack-mount configuration |
| APU cards per subrack | 8 |

The following specifications are common to both units.

General Specifications

| | |
|-------------------------------|---|
| Max. length insensitive leads | 10 km to protected zone |
| Max length sensing cable | 2 km |
| Sensitivity | Uniform over entire length |
| Alarm outputs | 1 amp. N.C./N.O. relay contact |
| Communications | RS-232C and Fiber Security Network Compatible (FSN) |
| Alarm output duration | Programmable |
| Fiber-optic sensing cable | FSI part #SC3 (in conduit for fences), SC4 (buried) or SC5 |
| PCS Compatible | Yes |

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