HIGH PERFORMANCE
HIGH RELIABILITY
HIGH SECURITY

Fiber SenSys
PERIMETER SECURITY

FD348R Rack-Mounted Zone Detection

Multiple Zone Fiber Optic Intrusion Detection System

For a rack-mounted, remote intrusion detection requirement, the Fiber SenSys FD348R Fiber Optic Intrusion Detection System provides high-security and resistance to tampering and nuisance alarms.

The **FD348R** alarm processing unit (APU) is a remote sensing system that provides maximum protection against intrusion, while offering superior tamper prevention features and tools to eliminate nuisance alarms.

A high-performance intrusion detection system installed with the **FD348R** enables remote sensing capabilities up to 20 kilometers away from where the APU is located. This rack-mounted APU offers additional features, such as XML integration via TCP/IP and recording of multiple alarm conditions.

- **Remote Rack-mount detection capability**
- **Detection zone up to 5 kilometers long**
- **Insensitive lead-in cable up to 20 km**

Remote communication

The IP/XML option configures the **FD348R** APU with an RJ-45 connector, in order to provide TCP/IP connectivity with your business network. This option enables the APU to send and receive commands while receiving detection information live, with real-time data to remote monitoring stations. Zone coverage and intrusion detection flexibility is enhanced by up to eight **FD348R** APU's per **RK348** unit. A perimeter fence or wall detection zone can be complemented with a buried cable zone, all from the same rack-mount system.

Proven reliability

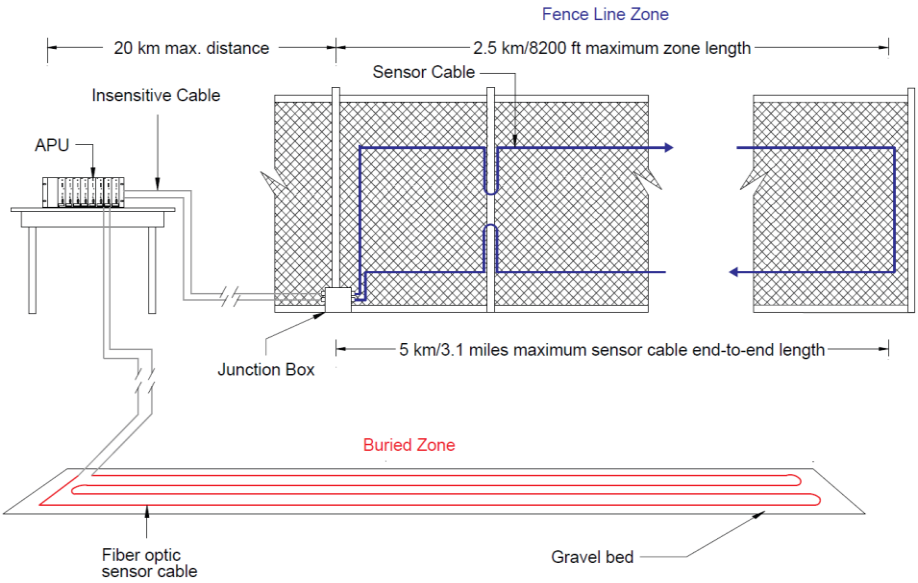
The **FD348R** series Digital Signal Processor (DSP) provides users with an intrusion detection system that is immune to the effects of EMI, lightning, magnetic fields and radio frequency transmissions; with enhanced DSP capabilities to filter out sensor cable signals from nuisance events such as wind, weather and small animals. Made in the USA, the **FD348R** ensures maximum system performance, reliability and high-security. The **FD348R** uses both an insensitive lead-in cable and a sensing cable that detects movement and vibration.

- **Intelligent signal processing**
- **Automatic recording up to 24 alarms**
- **XML TCP/IP communication option**
- **Military PL-1 compliance**

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

Multi-Zone Protection

*The **Model FD348R** is uniquely suited to remotely monitor and protect multiple zones from a single rack, with a capability of up to eight alarm processing units. The **FD348R** multi-zone protection typically includes a combination of buried zone and fence or wall zones. Each **FD348R** is calibrated independently and set for optimal detection sensitivity levels. The **FD348R** provides zone coverage up to five kilometers with individual settings to ensure that the **FD348R** screens out sensor signals from non-threatening events, such as wind or wildlife, while focusing on alarm signal events caused by genuine intruders.*



CE CLASS 1 LASER OUTPUT
This product complies with 21 CFR 1040.10

Features	Specifications
System Type: Rack-mounted APU	**Output: Form-C type relay**
Rack Mount Capacity : RK348 rack holds up to 8 APU's	100 mA DC (1) Normally-open Relay, (1) Normally-closed Relay
APU Memory: Stores data from up to 24 alarms	**Output Power:** 12-24 VDC, 25 Watts @ 12 to 24 VDC
APU Communications: TCP/IP to XML via RJ-45 Connector	**Operating Power requirements**: 120-240 VAC, 25 Watts, 50-60 Hz
Sensing Element: Proprietary fiber optic sensor cable	**Sensing fiber temperature range**: -55°C to + 75°C
Insensitive lead-in cable: Minimum 1 meter	**APU operating temperature range**: 0°C to + 50°C
Maximum Zone Length: 5 km (3.1 miles/16,400 ft.)	**System Components:**
Maximum length lead-in: APU to sensing cable 20 km (12.4 miles)	FD348R (Rack-mount capable)
Sensor Sensitivity: Uniform over entire length	RK348 (Rack-mount unit)
Signal Discrimination: Intelligent Digital Signal Processing	SC-3 or SC-4 sensing cable for intrusion detection
Tuning and Calibration: via SpectraView™ and Auto-Tune™	IC-3 or IC-4 insensitive cable for remote sensing area

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