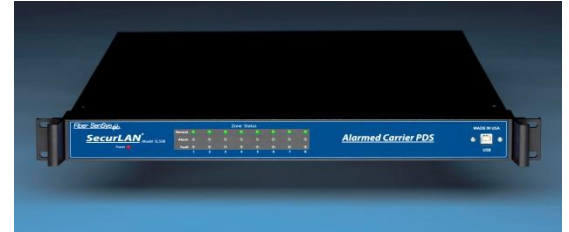


SL508 Alarm Processor Unit

Physical Network Security Protection

Government computer networks are now protected using a cost effective sensor solution. The SL508™ enhances security through multiple annunciation and network communications capabilities, and also eliminates the need for visible inspection.



The protection of information technology networks is a priority in the private sector and also within the branches of the U.S. Military at the Department of Defense (DOD). Ensuring that national security information is never

compromised forms the basis for all network communications security initiatives. It is widely known that the fiber-optic or copper cables that form network backbone raceways are vulnerable to intruders that might physically tap into their data streams. Network integrity is compromised when intruders have physical access to the raceway or the conduit.

When deployed in parallel within a network conduit, or embedded in a carrier, the Fiber SenSys **SL508™** Alarm Processor Unit (APU) is the core component used to alarm the network conduit or the raceway. The **SL508**, as the integral part of the **SecurLAN®** network protection model, enables a network carrier system to meet the DOD requirements for *Protected Distribution*

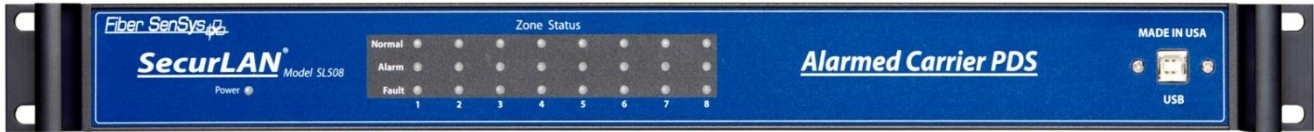
Applications:

- Military and Government Networks
- SIPRNET Installations
- SCIF's
- Protected Distribution Systems (PDS)

Systems (PDS), a government requirement for physical protection of classified network data. **SecurLAN** has been approved and certified for the protection of the PDS, and is compatible with all varieties of network architectures, including secure passive optical networks (S-PON).

Information is one of the world's most sought-after commodities and protecting the vital flow of that information from theft and sabotage is a critical challenge. Increasingly the cables used to transmit data are drawing heightened attention. The copper and fiber cables that form the network backbone are vulnerable to intruders that might tap into their data streams.

- Up to 8 zones per APU; each zone up to 5000 meters of sensing cable
- Single strand sensing cable design – no loopback required
- Compatibility with industry-standard head end systems



Features and Benefits of the SL508 Fiber-Optic Intrusion Detection System

- Up to 8 fully independent protection zones
- Single strand sensing cable design – no loopback required
- Sensing fiber is used to protect conduit, raceway, armored / multi-strand cable and “dark” fiber (within specifications)
- The **SL508** can be fully integrated with head end / annunciation systems for a total system solution when combined with other security elements such as access control systems and other third-party devices
- Includes custom tuning software

SL508 Product Specifications

System Type	Alarm processor for Protected Distribution System (PDS), and for physical protection of data transmissions
Number of zones	Up to eight fully independent zones
Sensing fiber	Multimode fiber, custom manufactured to FSI specifications
Insensitive lead-in fiber	Single-mode fiber, custom manufactured to FSI specifications
Sensing cable / zone lengths	<ul style="list-style-type: none"> • For each zone, sensing fiber + insensitive lead-in cable ≤ 5 km • Sensing fiber length ≤ 5 km
APU power requirements	12-24Volts input 19 watts power consumption (maximum)
Standard, external power supply	12 volt external power supply Maximum power output = 24 watts
Front-panel display	LED indicators for normal, fault, and alarm conditions for each zone
Communications	<ul style="list-style-type: none"> • USB serial port for configuration and alarm output • TCP/IP port for alarm output and XML communication • Individual dry contact alarm relays for each zone
Relay contact ratings Alarm relay default ACC bus fault relay default Individual Zone Fault Relays	100 mA @ 24 V Normally closed Normally open, or normally closed Normally closed Normally closed
Dimensions	Height = 4.5 cm (1.77 inch) – 1U Width = 42.5 cm (16.75 inch) Depth =40.6 cm (16 inch); Compatible with standard 19” rack
Operating temperature range Maximum operating humidity range	0°C to 55°C 0 to 95% non-condensing
Regulatory Compliance	CE, FCC Part 15, RoHS
Compatibility	Compatible with many varieties of network architectures, including secure passive optical networks (S-PON)

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Fiber SenSys 
 High Performance – High Reliability – High Security