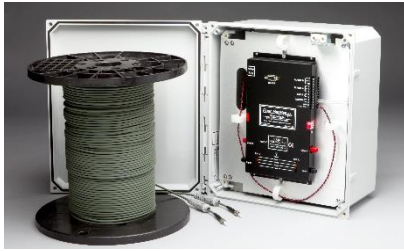## FIBER DEFENDER® 300 SERIES

Fiber Defender FD322:

- Two independent zones, each supports up to 500m of sensing fiber.
- TCP/IP interface utilizing XML, in addition to an RS232 communications port, ensures high-level integration and communication options.
- Includes FD322 tuning software.
- Online certification training.

FD322 Rapid-Fiber™ Kits:

Complete kit with an FD322 Alarm Processor Unit (APU) pre-installed in a 4X NEMA box, tuning software, and pre-terminated robust sensor cable, there is no need for conduit or special tools. Ideal for commercial and industrial chain link applications.

Fiber Defender FD348R:

This rack-mounted APU is equipped with TCP/IP (via XML messaging) and detection zones up to 5km; with insensitive lead-in cable up to 20km for remote APU deployment. The RK-348 rack housing holds up to eight FD348R APUs.
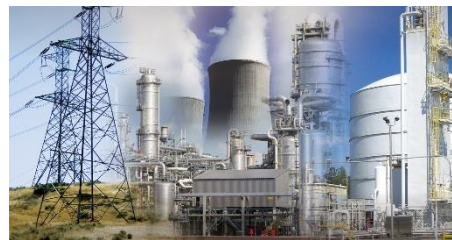
Fiber Defender 33X Series:

- Single-channel and dual-channel Fiber Defender® APU
- Up to 5km sensing cable
- 25+ configuration parameters
- SpectraView™ software included
- Ideal for high-security sites
- Optional anemometer output
- IP-XML model available
- PL1-N Nuclear approved

Fiber Defender 34X Series:

- These single and dual-channel Fiber Defender® APUs can be remotely located (up to 20km)
- Up to 5km sensing cable
- 25+ configuration parameters
- SpectraView™ software included
- Ideal for high-security applications requiring remote capable APU
- IP-XML model available
- PL1-N Nuclear approved

All Fiber SenSys sensor cables are immune to EMI, RFI, and lightning.

FIBER DEFENDER® 500 SERIES

Fiber Defender FD508:

The FD508 monitors up to eight different sensing fibers (zones). Each sensing fiber can be up to 800 meters in length for maximum perimeter protection. Remote APU deployment with insensitive lead-in cable capability.

- Nuisance alarm discrimination with built-in tuning software
- Integration capability with head end/annunciator panels
- Environmental noise compensation
- 1U rack-mount APU
- Linear, uniform sensitivity
- Ideal for sites with five to 16 zones.

Fiber Defender FD525/FD525R:

The FD525s provide the highest level of perimeter security available in the market. The FD525 cable assembly consists of up to 25 individual sensor elements branching off a rugged, insensitive backbone cable. Sensor elements placed along the backbone cable define each zone location.

- Supports up to 25 zones, each fully independent and tunable
- Simultaneous intrusion detection reporting on all zones
- Maximum sensing cable length 800 meters per zone

- Maximum insensitive lead-in cable length from 5km to 12km depending on zone configuration
- XML message communications
- Rack mount APU fits in a standard 19" data center rack and occupies only 2U of rack height
- Optional relay modules available
- Comes with system distribution assembly
- Includes FD500 Series Software Suite

Fiber Defender FD525-HALO:

Incorporating the proven level of high security demonstrated in our FD500 series of products, the Fiber SenSys FD525-HALO™ is an easy-to-install perimeter solution that economically addresses larger sites.

- Ideal for sites greater than 500m.
- Up to 25 independent zones (maximum cable length of 5.8km) that detect multiple simultaneous intrusion attempts.
- Additional APUs can easily be combined for larger sites.
- The need for conduit or multiple cable paths is eliminated through the use of a single hybrid cable.
- Insensitive lead-in cable for remote APU deployment - up to 5km.
- Tuning and calibration discrimination software in the FD500 Series Software Suite eliminates nuisance alarms.

Fiber SenSys

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Alarm Processor Unit (APU) Model:	FD525™	FD525R™	FD525 HALO™	FD508™	SL508™ [2]	FD348R™	FD342™	FD341™	FD332™	FD331™	FD322™[3]
Internal Spectral Data Storage						●	●	●	●	●	●
Configurable Parameters	25+	25+	25+	25+	25+	25+	25+	25+	25+	25+	6+
TCP/IP Compatibility	●	●	●	●	●	●	●	●	●	●	●
USB I/O	●	●	●	●	●						
RS-232 I/O						●	●	●	●	●	●
Relay Output	●[4]	●[4]	●[4]	●	●	●	●	●	●	●	●
19" Rack Mount		●	●	●	●	●					
Max Zones per APU	25	25	25	8	8	1	2	1	2	1	2
Max Sensing Cable Length per Zone	800m	800m	800m	800m	5km	5km	5km	5km	5km	5km	500m
Insensitive Lead-In	10km[1]	10km[1]	10km[1]	5km	5km	20km	20km	20km			
Anemometer Option (AN-200)[5]									●	●	
Temperature Range	-40° to 70°C	0° to 55°C	0° to 55°C	0° to 55°C	0° to 55°C	0° to 40°C	-40° to 70°C	-40° to 70°C	-40° to 70°C	-40° to 70°C	-40° to 70°C
Maximum Power Consumption	14W	17W	17W	19W	19W	3W	3W	3W	3W	3W	3W
Voltage Requirements	10-28 VDC	90-250 VAC	90-250 VAC	12-24 VDC	12-24 VDC	120-240 VAC	12-24 VDC	12-24 VDC	12-24 VDC	12-24 VDC	12-24 VDC
PL-1 Approved (USAF)							●	●	●	●	
NSTISSI 7003 Compliant (US Gov Physical Data Requirement)					●	●					

● Standard product feature   ● Optional product feature; please see product brochure/specification sheet

All APUs are CE/RoHS compliant

Wind/noise and calibration software included with all APUs

Note 1: Up to 5km lead in cable to distribution box plus 5km insensitive trunk cable to final zone

Note 2: SL508 is designed for SecurLAN® Secure Data PDS use only; not for fence or wall applications

Note 3: FD322 also available in FD322-Rapid Fiber™ Kits (for use with chain link style fences only)

Note 4: Optional with purchase of OLM-525 and RLM-525

Note 5: All units come standard with software-based wind rejection. FD33X APUs support anemometer option

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