FIBER DEFENDER® 300 SERIES
for Perimeter Applications:

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 supports sensing cable 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

FIBER DEFENDER® 500 SERIES
for Perimeter Applications:

Fiber Defender FD504/FD508:
The FD504 monitors up to four different sensing fibers (zones), and the FD508 can support up to eight. 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

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

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.
### Alarm Processor Unit (APU) Models for Perimeters:

<table>
<thead>
<tr>
<th>Feature</th>
<th>FD525™</th>
<th>FD525R™</th>
<th>FD525 HALO™</th>
<th>FD508™</th>
<th>FD504™</th>
<th>FD348R™</th>
<th>FD342™</th>
<th>FD341™</th>
<th>FD332™</th>
<th>FD331™</th>
<th>FD322™</th>
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<tbody>
<tr>
<td>Internal Spectral Data Storage</td>
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<td>TCP/IP Compatibility</td>
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<td>Insensitive Lead-In</td>
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</table>

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

All APUs are CE/RoHS compliant and made in the USA
All Fiber Defender® sensor cables are immune to EMI, RFI, and lightning
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: FD322 also available in FD322-Rapid Fiber™ Kits (for use with chain link style fences only)
Note 3: Optional with purchase of OLM-525 and RLM-525
Note 4: All units come standard with software-based wind rejection. FD33X APUs support anemometer option

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