Fiber SenSys Laser Defender™ Series Products for US Military Applications

Laser Defender™ LD204S:

The LD204S is an indoor IP/PoE laser scan detector providing 20m x 20m vertical or horizontal detection area. The LD204S protects assets, equipment, walls, and ceilings by creating an invisible laser wall and detecting any intrusion breaching. Its compact, cosmetic, and versatile design makes it very easy to install and covers many different configurations. In addition to dry contacts, the LD204S generates an Event Code (ASCII format) that is already integrated with most VMS platforms. Not impacted by any lighting conditions, the LD204S can act as a trigger to enhance video surveillance or a wide range of security solutions.

- USAF PL-1 tested and approved
- 20m x 20m (65ft x 65ft), 95-degree detection area
- Vertical and horizontal detection modes
- Multi-angle Adjustment Shell Structure (M.A.S.S.)
- PoE
- Environmental disqualification circuit
- Three output for analog connections
- Four adjustable detection area for IP connections

Laser Defender™ LD308SH:

The LD308SH is an innovative laser scan detector that can detect a moving object's size, speed, and distance from the detector and process that information with a unique algorithm. This results in a high-reliability detection of people with minimal false alarms. The detector can also be mounted vertically or horizontally according to the application and site conditions. When vertical detection area is selected, the LD308SH creates a 60m wide detection area that functions like an invisible wall. With four outputs for remote video applications and eight independently adjustable detection areas and event codes, the LD308SH is the ideal detector for controlling PTZ cameras and is integrated with leading VMS platforms. The detection area can be set manually or automatically. If the automatic setting is used, the detector will set the proper detection area, even for complicated area shapes. The LD308SH is a sophisticated next-generation indoor detector that streamlines video monitoring and reduces installation costs.

- USAF PL-1 tested and approved
- Identifies the size, speed, and distance of a moving object
- 30m (100ft) radius for 190-degree detection area
- Eight independently adjustable detection areas and event codes for network recorder and Video Management Software (VMS)
- Eight output for analog connections

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LD204S Product Specifications

Detection Method	Infrared Laser Scan
Laser Protection Class	Class 1
Power Input	10.5 to 30 VDC, PoE (IEEE802.3af/at compliant)
Current Draw	500 mA max. (12 VDC), 250 mA max. (24 VDC), 6 W max. (PoE)
Detection Coverage	Approx. 20m x 20m (65ft x 65ft) Arc: 95-degree
Mounting	Indoor wall and ceiling
Mounting Height	Vertical: Indoor 2m (6.7ft) or higher Horizontal: Adjustable to ceiling height
Detection Resolution	0.25 degree
Communication Port	Ethernet RJ-45 10BASE-T / 100BASE-TX
Output	3 outputs, supports 28 VDC 0.2 A max. N.O./N.C. Selectable (3 from Master alarm, Zone outputs, Trouble, Tamper, D.Q.)
Input	1 Non-voltage contact input
Alarm Period	Approx. 2 sec delay timer
Operating Temperature	-40 to 140°F (-40 to 60°C)
IP Rating	IP66

LD308SH Product Specifications

Detection Method	Infrared Laser Scan
Laser Protection Class	Class 1
Power Input	19.2 to 30 VDC / 24 VAC ±10% (*UL-9)
Current Draw	400 mA max. (24 VDC), 600 mA max. (24 VAC)
Detection Coverage	Radius Approx. 30m (100ft) Arc: 180 - 190-degree
Mounting	Indoor wall and ceiling
Mounting Height	Vertical: From 4m (13ft) to 15m (50ft) Horizontal: Adjustable to ceiling height
Detection Resolution	0.25 degree
Communication Port	Ethernet RJ-45 10BASE-T / 100BASE-TX
Output	8 outputs, supports 28 VDC 0.2 A max N.O. (4x Zone outputs) N.O./N.C. (Master alarm, Trouble, D.Q.); supports 28 VDC 0.1 A max N.C. (Tamper)
Input	Switchable ON/OFF
Alarm Period	Approx. 2 sec delay timer
Operating Temperature	-4 to +140°F (-20 to +60°C)
IP Rating	IP66

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