

Fiber SenSys PIR Series Products for US Military Applications



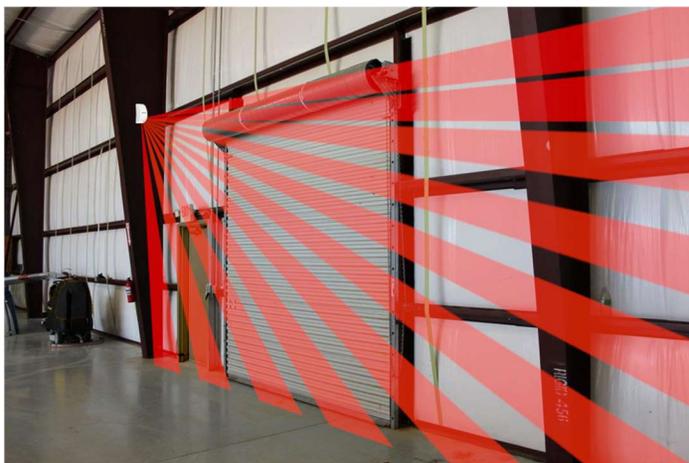
AP2-20N:

The compact and discreet AP2-20N indoor passive infrared detector is designed to meet the requirements of certain applications. Fiber SenSys recommends this solution for personnel doors, small overhead doors, or to monitor restricted

areas. This sensor complements the other quality sensors in our military solutions portfolio.

With its high-density detection area and uniform sensitivity, the AP2-20N indoor curtain PIR detector is equipped with double conductive shielding technology to resist interference from foreign light sources, drastically reducing false alarms.

- USAF PL-1 tested and approved
- High-density detection zones
- Uniform sensitivity for stable performance
- Fresnel lens design
- Patented double conductive shielding technology
- Wall and ceiling mounting
- 20ft detection range, 8ft – 12ft mounting height



EX35-T:

The EX-35T delivers reliable and precise indoor detection performance with dual purpose optics contradicting previous assumptions that low-cost detectors lack performance. With wide-angle and long-range coverage, as well as multi-level and alley patterns, the EX-35T is a standout in

PIR performance. Using patented multi-focus technology in its spherically designed lens, the EX-35T is free of sensitivity problems caused by changes in detection patterns.

- USAF PL-1 tested and approved
- Advanced design multi-purpose spherical lens
- Selectable detection patterns
- Patented multi-focus lens
- RFI protection
- Detection ranges: Wide-angle: 35ft x 35ft; Long-range: 55ft x 5.5ft



AP2-20N Product Specifications	
Detection Method	Passive infrared
Coverage	20ft x 3.3ft - mounting height at 12ft (6m x 1m - mounting height at 3.6m)
Mounting	Indoor wall and ceiling
Mounting Height	8ft – 12 ft (2.4m – 3.6m)
Zone Width	3.3ft max. mounting height at 12ft (1m max – mounting height at 3.6m)
Sensitivity	35.6°F at 2ft/sec (2°C at 0.6m/sec)
Sensitivity Adjustment	H/L
LED Indicator	Switchable ON/OFF
Detectable Speed	1ft – 10ft/sec (0.3 – 3m/sec)
Tamper Switch	N.C., opens when cover is removed. N.C. 28V DC, 100mA (max)
Warm-up Period	Approx. 60 sec
Power Input	9.5 – 16V DC
Operating Temperature	- 4°F - +122°F (-20°C - +50°C)
Current Draw	12mA (max)
Environment Humidity	95% max
RF Interference	No alarm 10V/m at 80MHz - 1GHz

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EX35-T Product Specifications	
Detection Method	Passive infrared
Coverage	Wide-angle: 35ft x 35ft (11m x 11m); Long-range: 55ft x 5.5ft (17m x 1.7m)
Mounting	Indoor wall and ceiling
Mounting Height	Normal 4-8ft (1.2-2.4m / Alley: 2-4ft (0.6-1.2m)
Detection Zones	Wide: 64 zones/28 zones (alley) Long: 12 zones/4 zones (alley)
Sensitivity	34.88°F (1.6C) at 2ft/sec (0.6m/sec)
Pulse Count Selector	2 or 4
LED Indicator	Switchable ON/OFF
Detectable Speed	1ft-5ft/sec (0.3 ~ 1.5m/sec)
Tamper Switch	N.C., opens when cover is removed. 28V DC, 100mA (max)
Warm-up Period	Approx. 30 sec
Power Input	9.25 – 14V DC
Operating Temperature	-4°F - +122°F (-20°C - +50°C)
Current Draw	18mA (max)
Environmental Humidity	95% max
RF Interference	No alarm 20V/m

