FiberPatrol® FP1150 Sensor Unit

FP115005U, FP115040U, FP115005H, FP115040H

SENSTAR

Description

The FiberPatrol FP1150 Sensor Unit performs detection processing on two sensor channels, each sensor channel requiring one field fiber. Adjustment of all sensor parameters is done with the built-in configuration GUI which can be accessed directly via KVM connection or remotely through a Windows Remote Desktop Connection.

Detection Zones

- Software-assignable
- Up to 1,440 zones

Environmental

- Operating temperature: 0 to 50°C (32 to 122°F)
- Humidity: 20% to 80% non-condensing

Interfaces and Software

- Networking: Dual Gigabit Ethernet
- Operating system: Windows 10 Pro 64-bit
- SSD: minimum 2 x 120GB RAID1 array
- USB:
  - 4 USB 2.0 on rear panel, 2 on front panel
  - 4 USB 3.1 on rear panel (2 Gen 1, 2 Gen 2)
- Video:
  - FP115005U – VGA, DVI-D, DisplayPort++
  - FP115040U – DisplayPort 1.4, HDMI 2.0b, DVI-D
- Standard alarm interface – TCP/IP via Network Manager software (API)
- Optional alarm interfaces – Relay closures via Senstar UltraLink I/O modules or ASCII output

Optical

- Laser classification: Class 1, 1550 nm wavelength
- Connector type: FC/APC
- FP115005U, FP115040U: two fiber connections
- FP115005H, FP115040H: four fiber connections

Power

- Dual redundant field-replaceable power supplies
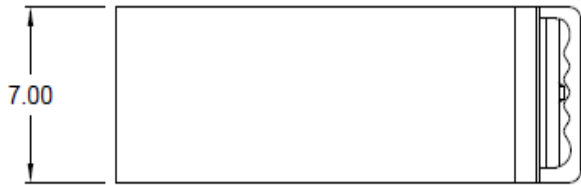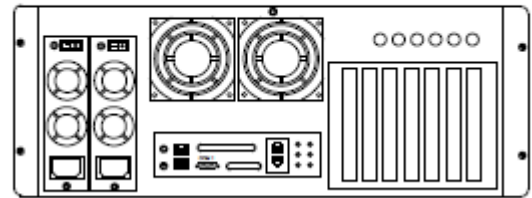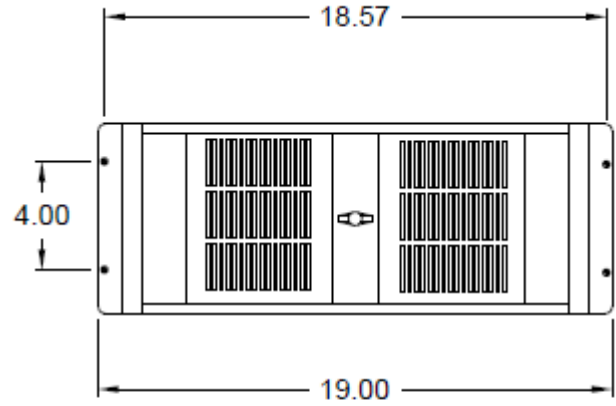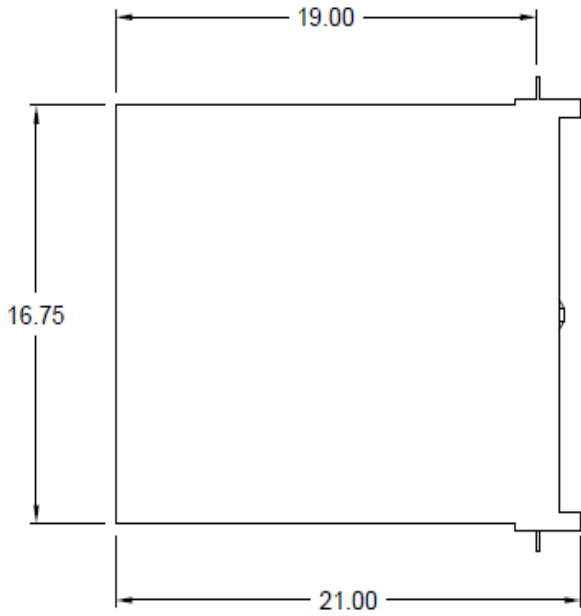- Voltage: 100 – 240 VAC, 50/60 Hz
- Power: 200W maximum

Mechanical

- Style: standard 19-inch rack-mount, 51 cm (20 in) deep
- Rack space: sensor unit 4U, KVM 1U, fiber connection module 1U
- Rack clearance required: 5 cm (2 in) front, 15 cm (6 in) back
- Weight: 23 kg (51 lbs)

Regulatory

- FCC Part 15 Subpart B Class A
- CE: Conformant to EMC Directive 2014/30/EU
- Safety: EN 60950-1:2006 + A2:2013

PART	DESCRIPTION
FP115005U	FP1150 Sensor Unit capable of providing up to 5 km (3.10 mi.) of detection processing on each of its two sensor channels, up to 10 km (6.21 mi) in total. Unlicensed. Requires separately purchased per-meter activation license (FP-PML-05) to enable detection processing.
FP115040U	FP1150 Sensor Unit capable of providing up to 40 km (24.8 mi) of detection processing on each of its two sensor channels, up to 80 km (49.7 mi) in total for perimeter protection applications. Up to 100 km total for pipeline or conduit TPI applications. Unlicensed. Requires separately purchased per-meter activation license (FP-PML-40) to enable detection processing.
FP-PML-05	Per-meter activation license applicable to FP115005U Sensor Unit. The number of meters licensed needs to cover all cable beyond the initial lead-in section (500 m maximum), including all service loops, isolation loops, and gate bypasses. Any lead-in after the inital 500 m must be licensed. Each meter licensed activates both sensor channels.
FP-PML-40	Per-meter activation license applicable to FP115040U Sensor Unit. The number of meters licensed needs to cover all cable beyond the initial lead-in section (500 m maximum), including all service loops, isolation loops, and gate bypasses. Any lead-in after the inital 500 m must be licensed. Each meter licensed activates both sensor channels.
FP115005H	Equivalent to FP115005U but with fiber connections compatible with FP1100X/FP1400/FP6100X systems
FP115040H	Equivalent to FP115040U but with fiber connections compatible with FP1100X/FP1400/FP6100X systems

19.00

16.75

21.00

7.00

18.57

4.00

19.00

Independent Sensor Configuration

Cut-Immune Configuration

Sensor Unit

Fiber Connection Module

Fiber 1   Fiber 2

Fibers 1 & 2

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