

# FiberPatrol® FP1150 Sensor Unit

FP115005U, FP115040U

## 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
- MTBF: 251,691 hours between critical failures demonstrated based on 7 years of field data

## Interfaces and Software

- Networking: Dual Gigabit Ethernet
- Operating system: Windows 11 IoT Enterprise LTSC 2024
- SSD: minimum 2 x 500GB RAID1 array
- USB:
  - 4 USB 2.0 on rear panel, 2 on front panel
  - 4 USB 3.2 on rear panel (2 Gen 1, 2 Gen 2)
- Video (rear panel):
  - 1 HDMI
  - 1 DisplayPort
  - 1 VGA
- RS-232 (9-pin D connector)
- Standard alarm interface – TCP/IP via Network Manager software (API)
- Optional alarm interfaces – Relay closures via Senstar UltraLink I/O modules or ASCII output



Front and back of sensor unit

## Optical

- Laser wavelength: 1550 nm
- Laser classification: Class 1 per IEC/EN 60825-1:2014
- Connector type: SC/APC
- FP115005U, FP115040U: two fiber connections

## Power

- Dual redundant field-replaceable hot-swappable power supplies
- Voltage: 100 – 240 VAC, 50/60 Hz
- Total power: 150W maximum steady state
- Inrush current (per module):
  - Vin @ 132Vac, Cold Start, 25C : 25 A
  - Vin @ 264Vac, Cold Start, 25C: 50 A
- IEC 60320 Type 13 power sockets
- Two power cords with NEMA 5-15 plugs provided, 1.8 m (6 ft.)

## Mechanical

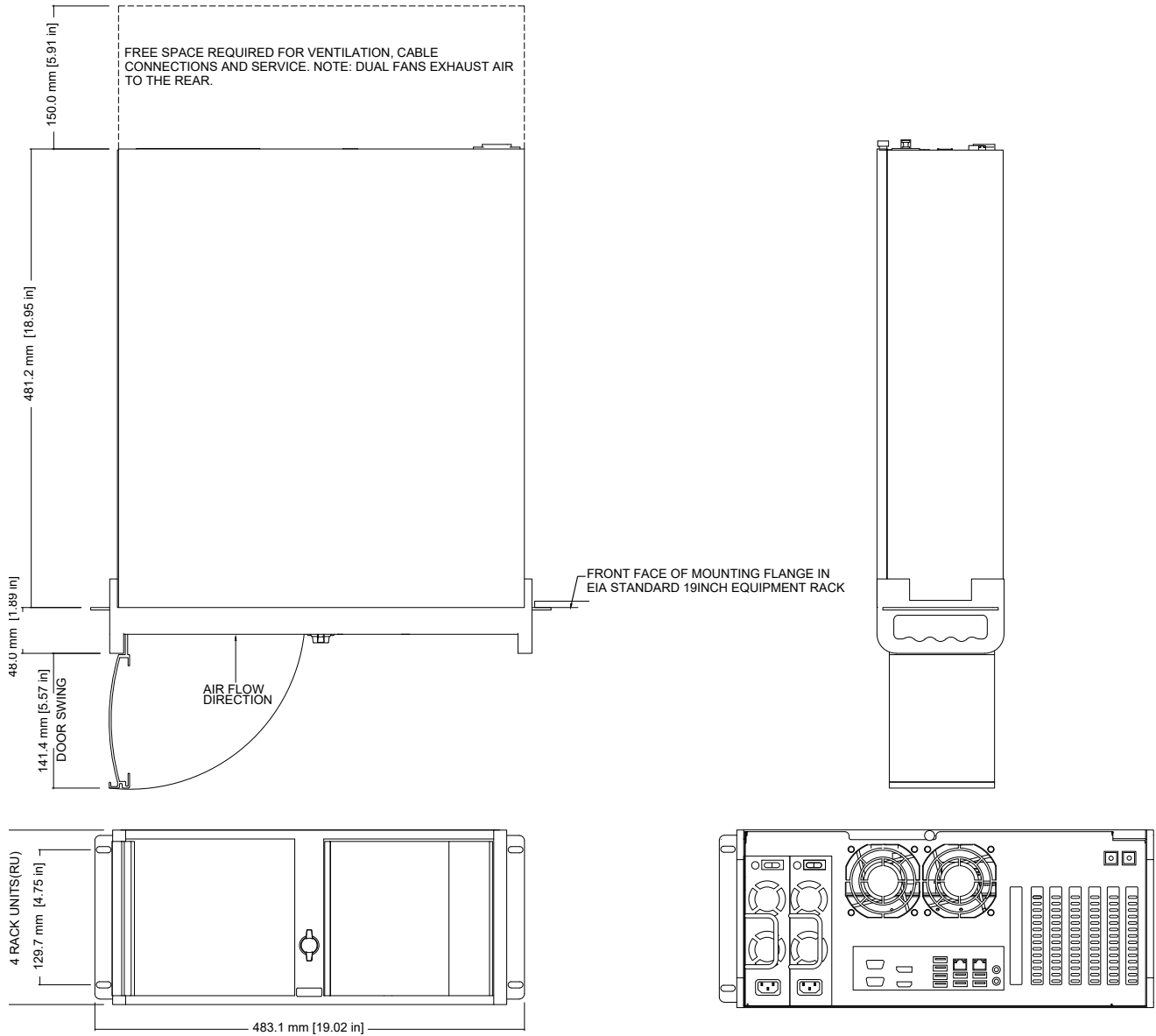
- Style: standard 19-inch rack-mount, 51 cm (20 in) deep
- Rack space: sensor unit 4U, KVM 1U, fiber connection module 1U
- Rack clearance required: 5 cm (2 in) front, 15 cm (6 in) back
- Weight: 23 kg (51 lbs)

## Regulatory

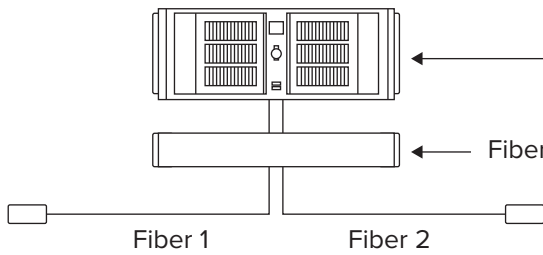
- FCC Part 15 Subpart B Class A
- CE: Conformant to EMC Directive 2014/30/EU
- Safety:
  - IEC 62368-1:2018
  - EN 60950-1:2006/A2:2013
- ROHS 3

PART	DESCRIPTION
FP115005U	FP1150 Sensor Unit for fence, wall, buried perimeter, and TPI applications. Hardware 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. Provided with 1000 meters of activation license, additional activation license can be purchased separately.
FP115040U	FP1150 Sensor Unit for fence, wall, buried perimeter, and TPI applications. Hardware capable of providing up to 40 km of detection processing on each of its two sensor channels, up to 80 km in total, 100 km total for TPI applications. Provided with 5000 meters of activation license, additional activation license can be purchased separately.

See the FiberPatrol datasheets for full system descriptions



Independent Sensor Configuration



Cut-Immune Configuration

