MONNIT®

Remote Monitoring for Business

((·🏃·)) + PoE•X
MOTION

PoE•X Motion Detection (PIR) Sensor
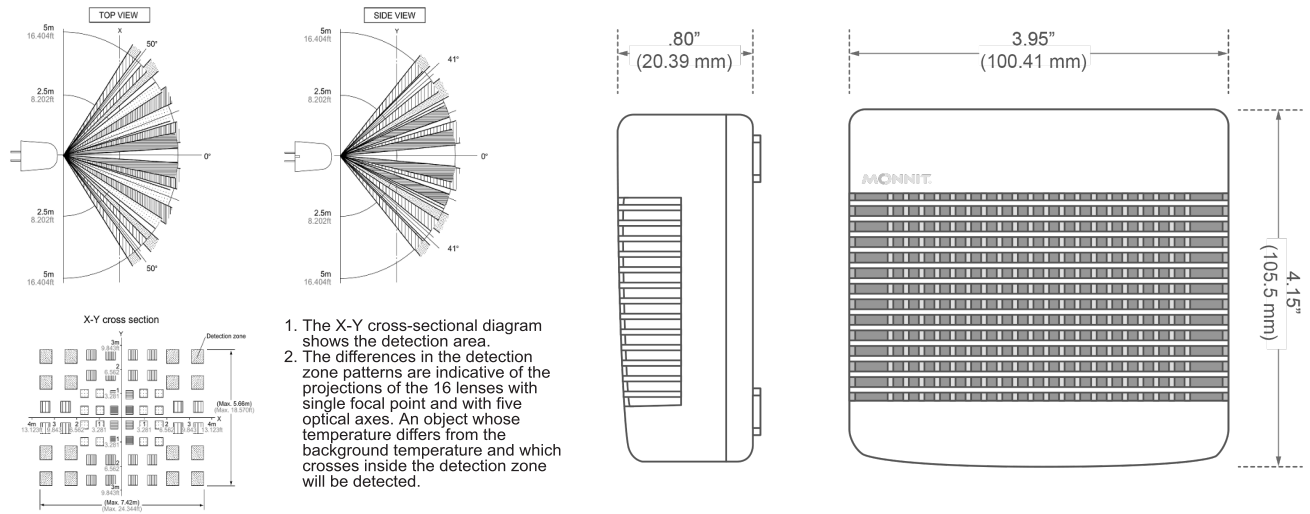
General Description

The Power-over-Ethernet (PoE) Motion Detection (PIR) Sensor detects motion and movement using infrared technology. iMonnit stores all data in the online system where the data can be reviewed and exported as a data sheet or graph. Notifications can be set up through the online system to alert the user when motion has been detected.

Monnit PoE•X Sensor Features

- Power-over-Ethernet ready (injector hardware required)
- Embedded LEDs for transmission & online condition indicators
- 50,000 sensor message memory (non-volatile)
- Modbus TCP & SNTP v1 interface capabilities
- No PC required (managed through apps and smart devices)
- Remote update capable w/automatic updates
- Works with iMonnit Cloud and Enterprise software applications
- Optional 5V DC power supply available
    - US Power Adapter
    - International Power Adapter

Technical / Device Specifications

DEVICE SPECIFICATIONS

Part Number	MNS-P-C1-MS-IR
Communication Hardware	10 / 100 Ethernet Controller
IEEE Standard Compliance	802.3AF-2003 / 802.3AT-2009 Class 1
Operation	Full- and Half-Duplex
Cross-Over Correction	Automatic MDI / MDI-X
Protocols Supported	DHCP, DNS, NTP, UDP, TCP, SNMP, Modbus TCP
Input Power	Supplementary Power Requirement
Cable Connector	RJ45
Supplementary Power Connector	2.1 x 5.5 mm barrel jack, center positive
Device Memory	Up to 50,000 sensor messages; varies based on sensor type. (Sensor messages will be stored in the event of Internet outage and transferred when connection is restored.)
Forced Communication / Reset Hardware	Button
Operating Temperature	-20 to +60°C (-4 to 140°F)
Storage Temperature	-40 to +85°C (-40 to 185°F)

SENSOR SPECIFICATIONS

Software Adjustable Sensor Detection Range	15 ft (4.5 m)/12 ft (3.7 m)/9 ft (2.7 m)
Sensor Warm-up Time	30 Seconds
Weight	4.34 oz. (123 g)

TOP VIEW
SIDE VIEW

X-Y cross section

1. The X-Y cross-sectional diagram shows the detection area.
2. The differences in the detection zone patterns are indicative of the projections of the 16 lenses with single focal point and with five optical axes. An object whose temperature differs from the background temperature and which crosses inside the detection zone will be detected.

.80"
(20.39 mm)

3.95"
(100.41 mm)

4.15"
(105.5 mm)

Example Applications

- Monitor area access
- Detect when people enter a room
- And many more

Notes

Commercial Grade Sensors

Monnit commercial-grade sensors are designed for applications in ordinary environments (normal room temperature, humidity, and atmospheric pressure). Do not subject these sensors to the following, as these environmental aggressors could degrade the device and its performance, leading to failures and burn-out:

- Corrosive or deoxidizing gas, e.g., chlorine gas, hydrogen sulfide gas, ammonia gas, sulfuric acid gas, and nitric oxides
- Volatile or flammable gas
- Dusty conditions
- Extremely low or high pressures
- Wet or excessively humid locations
- Places where saltwater, oils, chemical liquids, or organic solvents are routinely present
- Applications/locations prone to excessive or strong vibration
- Other sites where similar hazardous conditions exist

Use these products within the Monnit-specified temperature range. Higher temperatures could deteriorate both the product and its functionality.

For more information about our products or to place an order, please contact our sales department at 801-561-5555. Visit us on the web at www.monnit.com.

MONNIT®

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