

## PoE-X Open / Closed Sensor



### General Description

The [Power-over-Ethernet \(PoE\) Open / Closed Sensor](#) uses an external magnetic switch to detect the presence or removal of a trigger magnet. When the sensor detects that the magnet is removed or returned it sends the information to iMonnit. Notifications can be set up through the online system to alert the user when a magnetic source is present or not with the ability to only notify within time of day parameters.

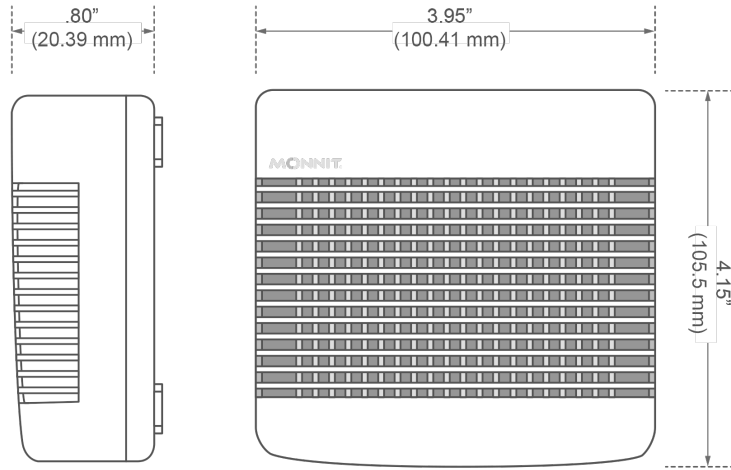
### Monnit PoE-X Sensor Features

- 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
- [Optional 5V DC power supply available](#)

## Technical / Device Specifications

DEVICE SPECIFICATIONS	
Part Number	MNS-P-C1-OC-ST
Communication Hardware	10 / 100 Ethernet Controller
PoE Requirements	Class1 Device (500mW)
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	
Weight	4.84 oz. (137 g)
MAGNETIC SWITCH SPECIFICATIONS	
Contact Type	Gold under-plating with Deactivated Rhodium outer-plating
Switch Cycles	50 million

Operation Gap	Up to 3/4 inch
Wire Leads	22 gauge / 13.5 in length ( $\pm 1.5$ in)
Magnet	Alnico
Magnet Case Construction	Weatherproof, high-impact ABS plastic and self adhesive backing
Magnet Temperature Range	-15°F to 160°F (-25°C to 70°C)



## Example Applications

- Doors and windows
- IT server closets
- Freezer and cooler door
- Cabinets and lockers
- [And many more](#)

## Notes

### Software Compatibility

Currently Monnit PoE•X Sensors are only supported in iMonnit Online.

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](http://www.monnit.com).



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## Change Log

Revision	Author	Date (yyyy/mm/dd)	Change
1	K Detro	2020/06/20	Original release.
2	K Detro	2021/08/30	Removed entry about Enterprise compatibility.