MONNIT ®

Remote Monitoring for Business

DRY CONTACT DETECT **+** PoE•X
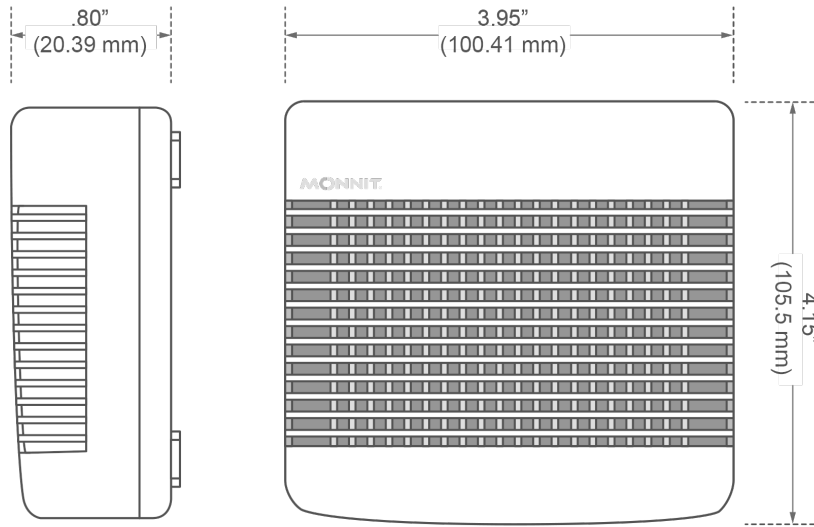
PoE•X Dry Contact Sensor

General Description

The Monnit Power-over-Ethernet (PoE) Dry Contact Sensor detects when there is contact between the two wired end points. It can easily be integrated into existing switches or contact plates. When the sensor detects contact between the two end points, it will immediately transmit the data to iMonnit, allowing the user to immediately receive an SMS text or email alert. The sensor can be configured to detect both closed and open loops alerting if contact is made or broken.

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-DC-CF-L01
Communication Hardware	10 / 100 Ethernet Controller
PoE Requirements	Class 1 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	
Lead Wire Length	3 ft. (36 in.)
Detection Wires	High Impedance
Weight	5.06 oz. (143 g)

.80"
(20.39 mm)

3.95"
(100.41 mm)

4.15"
(105.5 mm)

Example Applications

- Barn door monitoring
- Production line tracking

- Button or switch integration
- 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.

MONNIT®

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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.