MONNIT®

Remote Monitoring for Business

WATER DETECT ROPE + PoE•X

PoE•X Water Rope Sensor

General Description

The Monnit Power-over-Ethernet (PoE) Water Rope Sensor detects conductive liquids anywhere along the length of the detection rope by using two wires covered with conducting polymer. When water or conductive liquid contacts the rope, the sensor will immediately transmit data to iMonnit. The sensor rope dries quickly allowing the sensor to reset for next use. The detection rope can be expanded up to 100 feet by simply clicking additional 10 foot sections of detection rope together. Additional sections of water detection rope are available at Monnit.com.
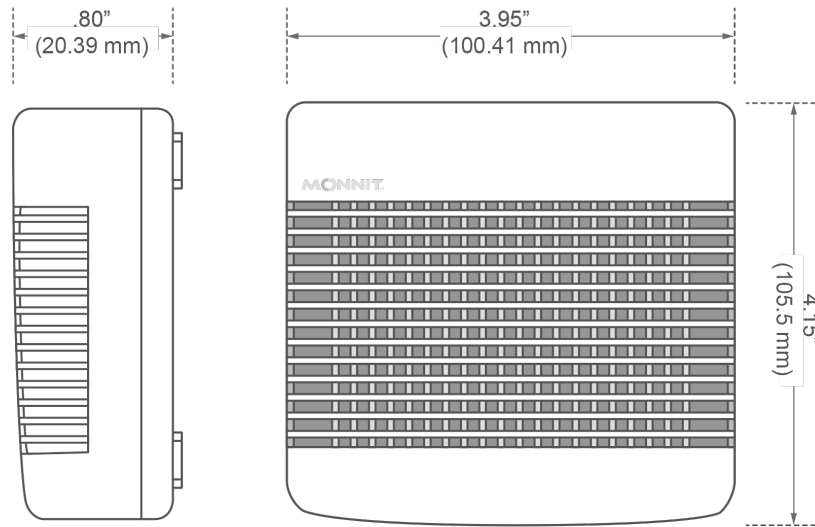
Monnit PoE•X Sensor Features

- 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-WS-WR
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	
Weight	10.66 oz. (302 g) with 10 ft. (3.05 m) rope
WATER DETECTION ROPE SPECIFICATIONS	
Material	PE + alloy lead
Rope Weight	30g / meter
Pull Force Limit	60 kg

Fire Resistance	Plenum rated
Cable Diameter	5.5 mm
Maximum Exposed Temperature	75°C (167°F)
Cable length	10 ft. (120 in.) included (expandable to 100 ft.)

.80"
(20.39 mm)

3.95"
(100.41 mm)

4.15"
(105.5 mm)

Example Applications

- Data center and server room water monitoring
- Document retention center monitoring
- Plumbing leak detection

- Basement water monitoring
- 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.

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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.

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