

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](#).

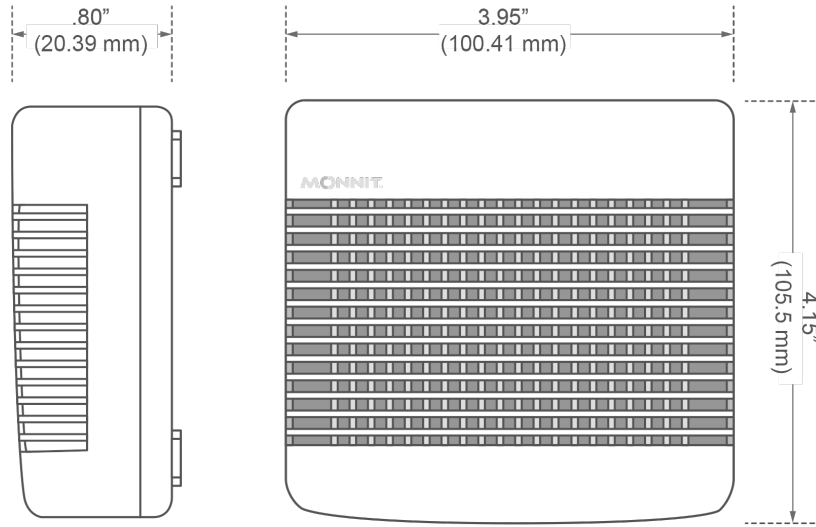
Monnit PoE•X Sensor Features

- 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.) |



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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