

EnviroSense2 (E2) Environmental Sensor Module with Temperature, Humidity and Digital Inputs

MODEL NUMBER: E2MTHDI



Monitor ambient temperature and humidity, as well as contact closure status of alarm, security and telecom products.

Features

Add Remote Monitoring of Environmental Conditions to Your LX Platform Device

Expand the monitoring capabilities of your LX Platform device to include conditions that can damage equipment and cause downtime. E2MTHDI environmental sensor module makes it possible to remotely monitor ambient temperature and humidity, as well as up to two dry contact connections, in network environments. The E2MTHDI works with PowerAlert Device Manager (available as a free download) and UPS systems and PDUs that have an LX Platform network card (WEBCARDLX or WEBCARDLXS). Events are recorded in the event log of your device's PowerAlert Device Manager interface.

Know If Conditions Become Too Hot or Humid for Your Equipment

You can set your own values for maximum temperature and humidity levels in network closets, server rooms and data centers. If levels exceed set values, an event is recorded. Using this environment temperature sensor is a convenient way to keep equipment operating in optimal conditions around the clock without on-site personnel.

Remotely Monitor Dry Contact Connections to Avoid Surprises

Two dry contact inputs support up to 5V for monitoring open/closed connections. Use with SRSWITCH to know if a rack enclosure door has been opened or E2SLD to be alerted to a water leak on the floor. You can also use this sensor module with other dry contact devices, including smoke detectors, fire alarms and security systems.

Take Advantage of Convenient Installation Features and Daisy-Chain Capability

Dual magnets on the bottom of the housing allow mounting on most racks and cabinets. Built-in retention harnesses help secure cable connections, and cable channels along the bottom help reduce clutter. The included USB cable connects the E2MTHDI to your LX Platform device. Up to three E2 environmental sensors can be daisy-chained together to provide monitoring in different areas of a rack.

Comply with TAA Requirements

The E2MTHDI complies with the Federal Trade Agreements Act (TAA) for GSA Schedule purchases.

2-Year Warranty

The E2MTHDI is backed by a 2-year limited warranty, ensuring reliability and performance.

Highlights

- Adds environmental monitoring to UPS systems and PDUs with LX Platform interface
- Monitors temperature and humidity to help IT personnel maintain ideal operating conditions
- Monitors up to two dry contact devices for safety and security in IT racks
- Includes USB-A to USB Micro-B cable for easy connection to UPS or PDU
- Mounts magnetically - no hardware required

Applications

- Set up environment sensor networks in a data center
- Receive an alert if temperature or humidity conditions exceed set limits in a server room
- Use with SRSWITCH to receive alerts if a rack enclosure door is opened
- Use with polarity-sensitive E2SLD to detect water leaks in a network closet

System Requirements

- Compatible UPS or PDU equipped with an LX Platform interface

Package Includes

- E2MTHDI EnviroSense2 Environmental Sensor Module
- USB cable (USB-A to USB Micro-B), 3 ft.
- Owner's manual

Specifications

OVERVIEW	
UPC Code	037332181305
PHYSICAL	
Cable Length (ft.)	3
Cable Length (m)	0.91
Shipping Dimensions (hwd / in.)	1.10 x 4.30 x 5.90
Shipping Dimensions (hwd / cm)	2.79 x 10.92 x 14.99
Shipping Weight (lbs.)	0.29
Shipping Weight (kg)	0.13
COMMUNICATIONS	
Communications Cable	1m (3.28ft.) USB-A/Micro USB-B
Input Dry Contact Ports	Two dry contact terminal connections per E2MTHDI module
Systems & Sensors Information	Dry contact terminals are polarity marked for compatible contact accessories. Terminal connector supports wire gauges of 14-28 AWG; 6-7mm wire strip length; M2 screws with 3.0Lb-In / 0.34Nm torque specification
Product Compatibility	WEBCARDLX; WEBCARDLXMINI
CONNECTIONS	
Side A - Connector 1	USB A (FEMALE)
Side B - Connector 1	MICRO-USB B (FEMALE)
FEATURES & SPECIFICATIONS	
Sensing Capability	Temperature; Humidity
Contact Closure Capability	Contact Closure Input Monitoring
STANDARDS & COMPLIANCE	
Product Certifications	EN 55024; EN 55032; EN 61000; ICES (Canada); IEC 61000
Product Compliance	RoHS; REACH; FCC Part 15 Class A (USA); FCC Part 15 Class B (USA); Trade Agreements Act (TAA)
WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	2-year limited warranty



1000 Eaton Boulevard
Cleveland, OH 44122
United States



© 2023 Eaton. All Rights Reserved.
Eaton is a registered trademark. All other trademarks
are the property of their respective owners.