Product Brochure

Eaton Environmental Rack Monitor

Around-the-clock monitoring of environmental conditions at the rack level



Features

- Monitors temperature and humidity at two locations in a rack and the status of up to four additional input contact sensor devices
- Protects critical assets from heat, humidity, smoke, water leaks or intrusion
- Displays real-time status to a PC, Internet-ready wireless device or Network Management System (NMS) software
- Automatically notifies designated recipients of out-of-range conditions
- Simplifies operations with an intuitive, Web browser interface, rich graphing of data, auto-discovery and auto-aggregation utilities, and more
- Five power supplies available (US/UK/Asia/Australia/IEC C13/C14)
- 1-year warranty

Powering Business Worldwide

The Eaton Environmental Rack Monitor (ERM) continuously monitors environmental conditions at the rack level, providing an extra level of security for critical assets. The primary application is for high-density data centers, but this compact, full-featured unit can monitor conditions in laboratories, hospitals, warehouses, libraries, museums and any other indoor location where the environment must be maintained within acceptable levels.

In the typical rack application, the 0U-size rack monitor base unit can be placed horizontally or vertically in any unused space in the rack. This base unit supports up to two combination temperature and humidity sensor units (known as TH-Modules) that can be placed anywhere in the enclosure. Each hot-swappable TH-Module can support up to two additional input contact sensor devices, for a total of eight sensors per rack monitor. The standard package come with one TH-Module. Additional TH-Modules and sensors can be purchased separately. The ERM also supports third party contact sensors.

View real-time environmental conditions.

Simply point your Web browser to the IP address of the unit for a display of current status—temperature, humidity and the status of contact sensors. You can access this password-protected information from a PC or workstation, Internet-ready wireless device or SNMP management software.

Use an intuitive, visual interface.

The monitor has a built-in Web server; no external software is required except a standard Web browser. A clean, user-friendly interface, coupled with context-sensitive online help, makes it easy to navigate and use system features.

View the status of up to 100 racks on one screen—an Eaton exclusive.

The ERM automatically aggregates information from up to 100 monitors on a single Web page. A built-in, auto-discovery feature scans the network (or a range of IP addresses you specify), automatically finds other rack monitors in that domain, and displays their status in one table. This feature is not available on competitive monitors.

Get automated notification of out-of-range conditions.

When acceptable temperature or humidity limits are exceeded, or contact status changes, the monitor automatically logs the event; notifies key personnel by email, PCS digital phone or pager; and can send an SNMP trap to a NMS, such as HP OpenView or IBM Tivoli. A full MIB (Management Information Base) is provided.

Assess trends over time.

Internal flash memory stores and retains historical environmental data even when the unit is powered off. A rich graphic interface displays historical trends and aids in troubleshooting This data can be easily downloaded from the device for archiving and further analysis.

Product Snapshot

Measure ambient temperature and humidity at the rack level.

Monitor the status of up to four additional contact devices/sensors.

Display real-time and historical status of all sensors via the intranet or Internet.

Stay informed of alarms via email.

Act before problems affect sensitive equipment.

Aggregate real-time information from up to 100 ERMs in a single web page.

Install and activate quickly.

The ERM and TH-Modules are mounted in unused side or rear channels within rack enclosures, so they don't occupy any space needed for IT equipment. The unit has screw holes for wall-mounting and rubber feet for placement on any flat surface. The TH-Module also comes with a screw hole and matching screws. Device activation is simple and can be done remotely over the network or locally using the serial port.

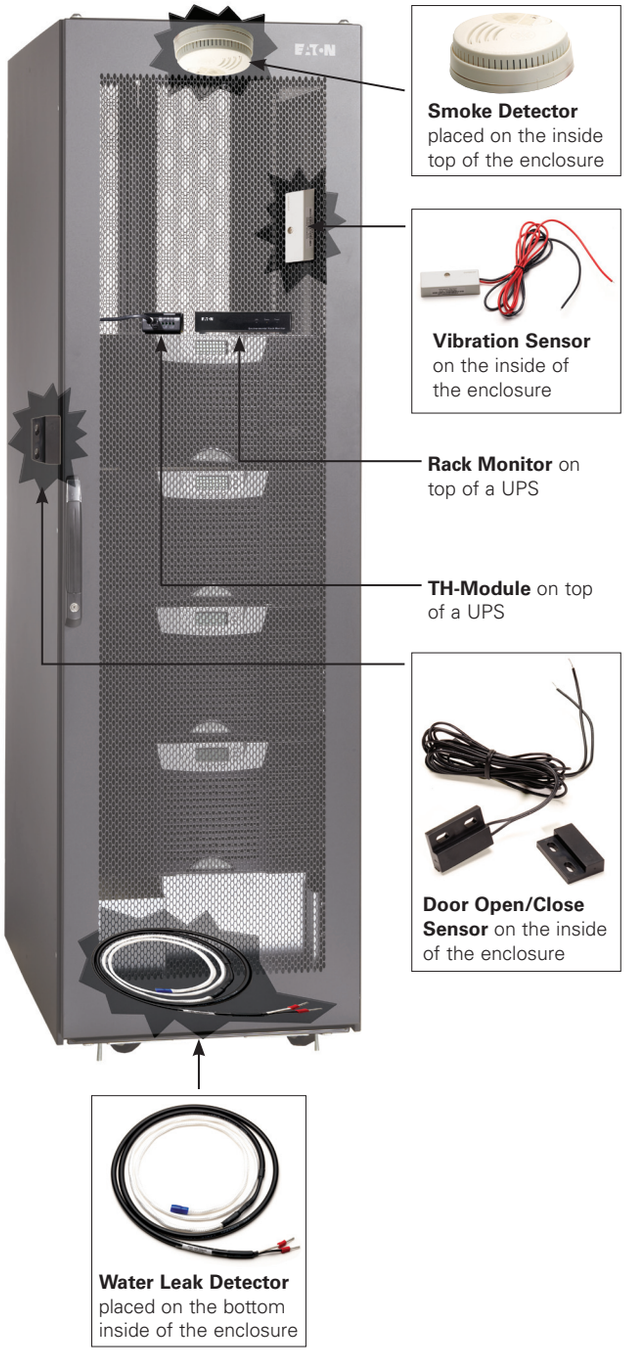
Streamline administration with user-friendly utilities.

The unit comes with utilities to enable remote upgrade of firmware in multiple rack monitors in a single broadcast session, and discovery tools to search other rack monitors on the network. The unit can also be rebooted remotely.

Count on reliable performance.

The ERM has been designed for the rigors of high-density computing environments. For instance, our TH-Module sensors are housed in a rugged protective casing and can be firmly affixed to a rack using its screw-mount hole. Competitive offerings often have flimsy, exposed sensors that hang loose and break easily.

Model	Part Number
Environmental Rack Monitor, 120 Vac (US) 2-pin power input	103005775
Environmental Rack Monitor, C13/C14, 100-250 Vac, 50/60 Hz, 3-pin power input	103005912
Temperature and humidity (TH) Module (Black), individual	103005822
Water Leak Detector, 3 ft	103005780
Water Leak Detector, 12 ft	103005894
Door Contact Sensor	103005781
Vibration Sensor	103005782
Power Supply, 120 Vac (US)	103005783
Power Supply, C13/C14 adapter cable, 100-250 Vac, 50/60 Hz	103005895
Smoke Detector/Alarm (110 Vac, NEMA 5-15)	103005890
Smoke Detector/Alarm (220 Vac, IEC C-13)	103005779



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