

Accessible information, wherever you want it



Eaton's Innovative Technology® SPD Power Event Monitor helps to ensure the uninterrupted and efficient operation of your power system by continuously monitoring, logging and reporting power quality and transient voltage surge events in real time with a time- and date-stamped event recording. This critical history log is then immediately available to download via infrared, Ethernet or a wireless network, wherever you wish to receive it. Device- and computer-based intuitive interfaces allow for access of up to 5,000 stored events.

Protection plus

The SPD Power Event Monitor is integrated into the Innovative Technology Protector Series surge protective devices (SPD), meaning no additional footprint. It offers unparalleled surge protection and the added benefit of ongoing, comprehensive system monitoring that includes a diagnostic view of your electrical distribution system.

The SPD Power Event Monitor detects, monitors and reports on a wide array of power quality events, including transient surges, sags and swells, power outages, phase voltage and phase loss. It allows facility managers to integrate power event data into new or existing electrical distribution/energy management systems and to recognize optimization opportunities for the electrical distribution system.

Paramount among the benefits of the SPD Power Event Monitor is the accessibility of this information. It provides notification of events and communicates them, with time- and date-stamp, via Modbus® (TCP or RTU), infrared to a handheld device or over the Internet using a personal computer.

In addition to providing enhanced ease of use with these access options, the SPD Power Event Monitor is a means of avoiding injury as a result of arc-flash explosions. Between 1992 and 2001, there were 17,101 injuries caused by electric arc-flash burns. ❶

The SPD Power Event Monitor allows personnel to access the data critical to the efficient operation of your power system without being exposed to the danger of arc flash. Data can be retrieved via infrared outside the arc-flash boundary to any handheld device equipped with Windows® Mobile software and SPD Power Event Monitor handheld software. Or by tying into your Ethernet backbone, you can access data from anywhere—through your LAN to the desktop or to a pocket PC via wireless communications. If your facility has an existing building automation system using the standard Modbus protocol, the SPD Power Event Monitor can be directly added to the system.

❶ From a paper presented by the Department of Health and Human Services Centers for Disease Control and Prevention and the National Institute for Occupational Safety and Health at the 2004 annual IEEE-IAS Electrical Safety Workshop.

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Powering Business Worldwide

Suitable for any configuration

The records provided by the SPD Power Event Monitor allow facility managers to pinpoint the source and location of system power anomalies, whether their origin is internal or external, and to immediately respond to out-of-tolerance conditions. Advanced diagnostic capabilities allow technicians to determine the optimal conditions for the operation of particular systems, and data provided can be analyzed and trended to identify potential problem areas in the distribution system.

The SPD Power Event Monitor was designed not only to maintain the health of your system, but also to ensure uptime and efficient reliability. The SPD Power Event Monitor does not increase the size of the SPD footprint. It is engineered and integrated directly into the SPD. It is available as a value-added upgrade to Innovative Technology Protector SPD products. It offers an intuitive local user interface for initial setup, set-point configuration and data observation.

The SPD Power Event Monitor provides easy access to critical system performance data while enhancing safety in your facility.

Applications

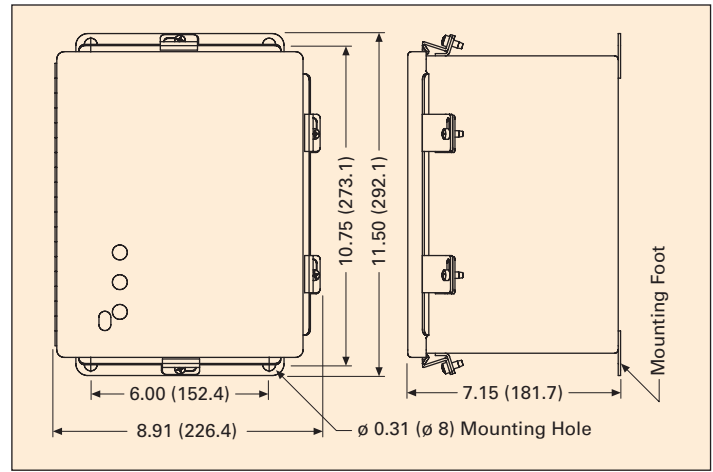
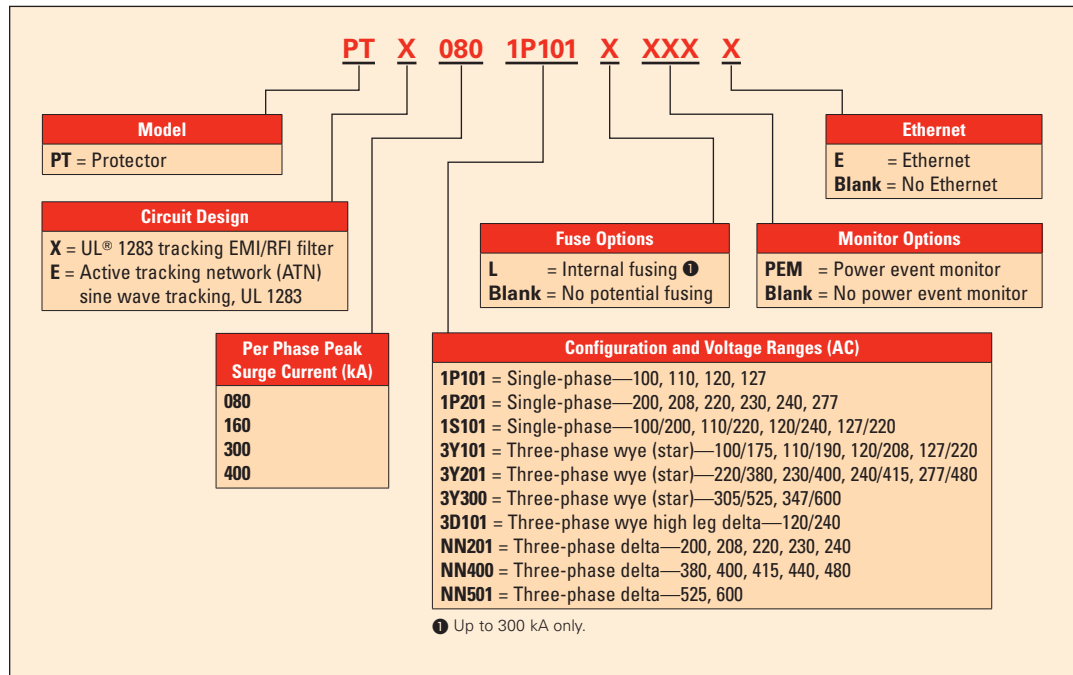
The SPD Power Event Monitor, like all Eaton products, is engineered to operate efficiently in even the most abrasive of electrical conditions. The monitor has been successfully field tested in the following environments:

- System voltage configurations from 120 Vac to 600 Vac
- Highly secure military applications
- Marine/off-shore environments
- Remote pumping stations and communication tower sites
- Manufacturing and processing plants
- Critical facility and billing centers

Benefits

- Remote monitoring capabilities result in immediate notification of out-of-tolerance conditions within a facility electrical distribution system
- With safety in mind, the SPD Power Event Monitor is designed to allow for the access of data via remote communications, removing the potential hazards of arc-flash conditions
- Data output allows troubleshooters to quickly identify the origin of harmful system power anomalies, whether internally or externally generated
- Data transfer capabilities allow facility managers to integrate power event data into new or existing electrical distribution/energy management systems
- Advanced diagnostics allow personnel to recognize optimization opportunities for the electrical distribution system
- Stored event records aid in identifying the source and location of power quality disturbances

Catalog Numbering System



Standard Dimensions in Inches (mm)

Power Event Monitor Accessories

| Description | Catalog Number |
|---------------|----------------|
| Local display | PEMLD |

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