

It's more than just a hunch,
it's Insight.



Powering Business Worldwide

Take back control of your process.



Motor Insight gives you the ability to better understand the dynamics of your system by providing the information you need to keep your motors running at their highest possible potential. It's important to keep your systems running at peak performance, while maintaining the integrity of your application—that's exactly what Motor Insight is designed to do.

A motor or load failure can lead to excessive production downtime and safety concerns—making protecting the motor and load a key part of protecting your business. The Motor Insight overload and monitoring relay provides advanced monitoring capabilities, ground fault detection, and communications capabilities, in addition to motor and load protection, in a single compact device. It is the flexible choice for any application requiring easy to use, reliable protection.

Now you have the insight to better manage your process.

In an effort to meet your most demanding application needs, Eaton continues to innovate; engineering the products you need to control and protect your systems. The complete breadth of feature-rich product solutions enables you to maximize the efficiency of your process, from protection and control to wiring, termination and display.





Motor Insight. An Intelligent Power Control Solution

Key features:

- Solid-state line/load and motor protection and control
- Real-time system health monitoring
- Meets UL, CSA, NEMA, CE and RoHS standards and certifications

For complete details surrounding the power monitoring menu, please see CA04209001E

Insightful design with a focus on usability.

Unconditional protection and monitoring

The Motor Insight overload and monitoring relay was built with your specific needs in mind. One compact device gives you all the motor protection and diagnostic functions you need to efficiently and effectively manage your system—even if your application has high line conditions and poor power quality. With a focus on reliability and improved uptime, Motor Insight provides leading surge and sag withstand, and will outlast the competition.

Designed for flexibility

Its robust design, including a bright LED display and intuitive user interface, makes it easy to configure and troubleshoot your system when necessary. Instead of having to remember the menu for diagnostic and fault codes, or decipher submenus and cryptic descriptions, the easy-to-read display on the Motor Insight spells it all out for you—right at the unit. And, to make it even easier to protect your system, no matter your specifications, the type 1, 12 and 3R remote display uses the same user interface as the base unit device.

With a line-powered base device and a remote display that is powered from the base unit, Motor Insight needs no external power source, allowing it to be installed just like a traditional overload relay. Also, the combined remote display and base unit design allows for setting adjustments to be made at anytime, without disconnecting power—keeping your process up and running.

Superior Load Protection

Unlike overloads that claim load protection while strictly monitoring current, Motor Insight has the ability to monitor line voltage, allowing

it to calculate the power running to a specific load, enabling superior load protection. Because fluctuations in line voltage can cause current draw to drop and create nuisance tripping, only using undercurrent monitoring to protect your load can lead to unwanted downtime. Motor Insight uses its power monitoring capability to more reliably indicate the true behavior of your load, while also providing the same high level of protection through the entire load curve as a result of the linear relationship of power with load.

Enclosed assemblies can be configured with a Type 1, 12 remote keypad (right), as well as a Type 3R remote display kit shown closed and open (below).



IP20 recessed terminals are a safeguard during installation.

LED display remains bright at low temperatures.



Communication modules offered in a variety of configurations.

- Communication protocols suit unique installations: Modbus, Modbus with I/O, DeviceNet with I/O, PROFIBUS with I/O, and Ethernet with I/O
- Snap-on modules don't burden the base device with supporting multiple communication protocols
- Communication modules and remote display can be used simultaneously



Maximize uptime, reduce maintenance expense and energy consumption.

Regardless of the industry, or application, Motor Insight will help you save time and money by knowing—in real time—what is happening at your load. This makes it an ideal solution for the demanding requirements

of continuous process applications, such as gas wells, petrochemical, metals and glass processing, water and wastewater facilities. With knowledge in hand, you can conserve energy and optimize preventative

maintenance. And, with the ability to monitor in real time, you'll be a step ahead of potential problems before they cause unplanned expenses or downtime.



Eaton Corporation is a diversified power management company ranked among the largest Fortune 500 companies. The electrical group is Eaton's largest division and is a global leader in electrical control, power distribution, power quality, automation, and monitoring products and services. Eaton's global electrical brands, including Cutler-Hammer®, MGE Office Protection Systems®, Powerware®, Holec®, MEM®, Santak and Moeller, provide customer-driven PowerChain Management® solutions to serve the power system needs of the industrial, institutional, government, utility, commercial, residential, IT, mission critical and OEM markets worldwide.

PowerChain Management solutions help enterprises achieve sustainable and competitive advantages through proactive management of the power system as a strategic, integrated asset throughout its life cycle. With Eaton's distribution, generation and power quality equipment; full-scale engineering services; and information management systems, the power system is positioned to deliver powerful results: greater reliability, operating cost efficiencies, effective use of capital, enhanced safety, and risk mitigation.

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