

New MP-3000 relay protects any size motor at all voltage levels

The new MP-3000 motor protection relay is a multifunctional micro-processor-based relay for the protection of any size motor at all voltage levels. It permits running the motor as close as possible to its design limits while protecting it against excessive heating, damaging overload conditions and faults.

The MP-3000 is most commonly applied on medium-voltage or large motors. It can also be used on motors with high inertial loads or reduced-voltage starting.

Replaces IQ 1000 II

The MP-3000 replaces the IQ 1000 II and, like the IQ 1000 II, provides complete and reliable motor protection, monitoring and starting functions. The MP-3000 has the same cutout and wiring as an IQ 1000 II and can be used as a direct retrofit.

This new relay features Cutler-Hammer's Intell-I-Trip intelligent overload protection, based on the same field-proven algorithm used in tens of thousands of installed IQ 1000 IIs to develop custom curves from motor nameplate data.

New features

The MP-3000 has many new features requested by consultants and by customers who operate large motors. Functions can be flexibly mapped to inputs and outputs.

Among the new features is certification to UL 1053, the standard for ground fault sensing and relaying equipment. The UL 1053 certification eliminates the need for a separate relay when ground fault is required.

The MP-3000 records each event and logs extensive data with time stamps. Information such as history, trip details and alarm history is then available at the relay or via PowerNet for efficient troubleshooting and minimization of downtime.



The new MP-3000 relay is the easiest ever to use, with quick access to data or settings by pages, lines or values.

An optional quick-release drawout case enables removal or replacement of the relay without disruption of the wiring. When mounted in a drawout case, the MP-3000 can take advantage of the new armed/disarmed feature. In the armed mode, the relay will protect the motor. In the disarmed mode, it will indicate that a trip condition exists but will not actually trip the motor. This allows installation and configuration without unintentional trips.

The MP-3000 is fully compatible with the PowerNet power-management system to enable remote operation.

For more information

To learn more about the MP-3000, contact your local Cutler-Hammer Sales Engineer, see the Power Management Product Guide (PG1701ATE) and visit our Web site at www.ch.cutler-hammer.com/pmp. ■