

FUSE CONTROL™: GET CONTROL OF YOUR INVENTORY AND COSTS



Before



After

Mersen's **Fuse Control™** program is a powerful combination of circuit protection products and services designed to help you **get control of your plant inventory, operating costs, code compliance, and workplace safety.**

Developed by Mersen and refined through extensive field research, Fuse Control is a simple program that packs a lot of muscle. It will give you the edge you need to mitigate arc flash hazards, achieve code compliance, **reduce inventory by 25% or more** and offer the highest grade overcurrent protection available. Get Fuse Control and you'll:

- Improve workplace safety
- Achieve electrical code compliance
- Reduce downtime associated with electrical failures
- Streamline inventory as much as 25% or more!
- Decrease operating costs

How can one program deliver such benefits? It's easy! Let the fuses do the work. The key lies in consolidating your current inventory and installed overcurrent protective devices to one fuse line - Mersen's innovative Amp-Trap 2000® fuse family. Amp-Trap 2000 fuses out-perform the traditional fuse, opening in less than one-quarter cycle at fault currents up to 300kA, and minimize the let-through currents and energies that flow downstream during faults.

Order Fuse Control and receive a FREE Fuse Inventory Audit & Analysis.

Take action today to get control of your inventory, contact a Mersen Sales Representative to initiate your Fuse Control program today. The initial storeroom audit and database analysis is very simple and will take up little of your time or resources. Also, did we mention, it is free!

Order the Fuse Control™ program today at 978-462-6662 or visit our website:

EP.MERSEN.COM

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MERSEN
Expertise, our source of energy

THE FIVE MAJOR BENEFITS OF FUSE CONTROL™

1. IMPROVED WORKPLACE SAFETY

The explosive energies reached during an arc flash – intense heat, thermoacoustic shock wave, molten metal – can cause severe, often fatal, injuries to workers even several feet away. The fuses we recommend for reducing arc flash energies are UL Listed branch circuit fuses with the highest degree of current limitation – Mersen Amp-Trap 2000® fuses. Amp-Trap 2000 fuses can isolate a faulted circuit before the fault current reaches its maximum value, enabling the fuses to (a) limit the total energy delivered to an electrical fault, (b) limit thermal and mechanical stresses created by the fault current, (c) reduce both magnitude and duration of the fault current, and (d) be easily coordinated in both the overload and short circuit regions. Because this energy reduction lowers the amount of heat generated, the use of these fuses typically minimizes the level of personal protective equipment (PPE) required, allowing personnel to work more efficiently, and most importantly, safer.

2. DECREASED OPERATING COSTS

The Fuse Control program saves you money in two ways: by streamlining inventory and alleviating product replacement costs with current-limiting Amp-Trap 2000 fuses. If sized properly Type 2 “No Damage” protection can be achieved when installing current-limiting Amp-Trap 2000 fuses, which prevent short circuits from destroying your critical equipment. What does this mean? Basically it means that your motor starter, contactor or variable frequency drive will remain in functional condition if an electrical fault were to occur, saving you product replacement costs and installation time. To make sure your equipment is Type 2 coordinated visit ep-us.mersen.com/resources/literature.cfm and locate our Type 2 No Damage Coordination Guides.

3. REDUCED DOWNTIME ASSOCIATED WITH ELECTRICAL FAILURES

Mersen’s innovative SmartSpot® open-fuse indicator is available on the Amp-Trap 2000 Class J and Class RK1. SmartSpot uses a combination of advanced materials and a unique, solid-body design, which turns an eye-catching red to help you locate an open fuse quickly and safely. SmartSpot eliminates the guessing and allows you to locate the open fuse faster, helping you avoid even more costly downtime. When installed properly Amp-Trap 2000 fuses have a convenient 2:1 coordination ratio. A selectively coordinated system will localize a fault condition, restricting outages only to the equipment affected. By having a coordinated system, you will mitigate unnecessary outages, saving you time and money.

4. STREAMLINED INVENTORY

Amp-Trap 2000 fuses have the ability to replace multiple SKU’s, reducing your overall inventory by 25% or more. The most common fuses found in today’s medical facilities are the UL Class H, K and RK5. The UL Class H, K and RK5 fuses are dimensionally interchangeable with the Amp-Trap 2000 Class RK1, making them easy to replace with a single class. The Amp-Trap 2000 Class RK1 provides a higher level of safety and performance than the other classes. A Class RK fuse holder should also be installed to prevent users from mistakenly installing Class H or K fuse in the future.

5. EASIER ELECTRICAL CODE COMPLIANCE

Being responsible for your workers’ safety means being up-to-date on the arc flash hazard regulations and standards, and integrating them into a comprehensive electrical safety program. The major industry regulations and standards that you should be aware of are OSHA, NFPA 70E®, CSA-Z462, IEEE Standard 1584, and NFPA 70®: National Electrical Code®. Amp-Trap 2000 fuses can reduce hazard risk categories allowing for a safer work environment. Mersen can assist you with electrical hazard assessments, including Arc Flash Hazard Analysis and Short Circuit Study.

IMPLEMENTING FUSE CONTROL IN 3 EASY STEPS

Storeroom Audit and Database Analysis ▶ Consolidation Report & Plan ▶ Implementation

FREE RESOURCES

Available at ep-us.mersen.com/FuseControl

- Inventory Template in MS Excel
- Bin Labels Template in MS Word



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