

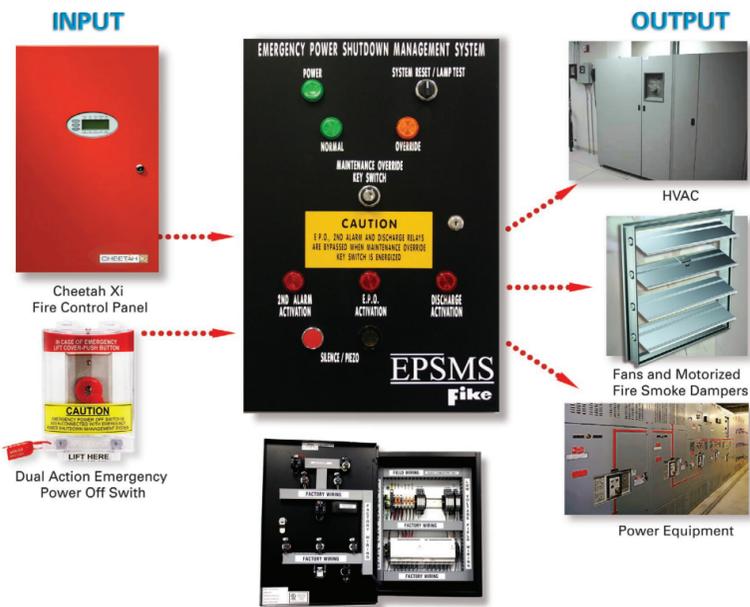
EPSMS
PROTECTS
YOUR
BUSINESS

Fike's EPSMS provides optimum protection for numerous applications:

- Data Centers
- Telecommunications Facilities
- Industrial Facilities
- Elevator Machine Rooms
- Water Treatment Plants
- Electrical Rooms

Any application where there is a need for emergency power shutdown controls.

EPSMS is designed to consolidate and control equipment emergency power off in a timely, efficient and coordinated manner.



EPSMS is used in many applications to:

- De-energize equipment during a fire
- Close fire dampers and turn off ventilation and cooling equipment to contain fire and maintain proper concentration of fire suppressant
- Safely shutdown equipment during a flood or sprinkler system discharge
- Help protect fire department personnel from electrocution when fighting a fire



WE'RE PROUD OF OUR RESUME

EXPERIENCED: We've worked in the fire protection business since 1960.

FOCUSED: We specialize in Life Safety Products, as well as Facility and Asset Protection Products.

VERSATILE: We design, manufacture, distribute and maintain our products.

GLOBAL: We have clients, manufacturing facilities, sales outlets and maintenance companies around the world.

INNOVATIVE: In 1994, we became the first manufacturer to bring a UL Listed and FM Approved, clean agent fire-suppression system to market, replacing Halon. We also have the safest and most economical inert gas system on the market – **PROINERT**.

EARTH-FRIENDLY: We pioneered the development of clean agent systems and we continue to develop other environmentally safe alternatives such as our superior inert gas system.

COMPREHENSIVE: Fike has a worldwide network of experienced distributors each with a staff of factory trained technicians to meet your installation and service requirements.



WWW.FIKE.COM

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EPSMS

OPTIMAL PROTECTION FOR EQUIPMENT EMERGENCY SHUT DOWN



EPSMS™

THE INNOVATIVE SOLUTION

FOR LIFE, SAFETY AND

ASSET PROTECTION

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EPSMS

What is your exposure?

Do you have a written and posted sequence of operation for your EPO controls?

Do you know what equipment shuts down when the EPO is activated?

Are your EPO controls interconnecting conduit and wiring clearly labeled?

Can you easily disable your EPO controls without the assistance of an outside contractor?

Are you immediately notified by your monitoring system if your EPO controls fail or are disabled?

Do you have posted instructions on how to restart your systems in a safe and orderly manner?



Fike's EPSMS (Emergency Power Shutdown Management System) is designed to consolidate and control equipment emergency power off in a timely, efficient and coordinated manner. This system improves the reliability of EPO controls – reducing the chance of an accidental activation and expensive interruption to your business.

Emergency Power Off (EPO) stations are a safety feature intended to power down information technology (IT) equipment, a data center or an entire facility in an emergency such as fire, flood and HVAC failure resulting in overheating of sensitive equipment – thus protecting the facility and personnel. Arguably one of the most important safety features of any IT, data center or equipment room, emergency power off circuitry is increasingly mandated by many local jurisdictions.

EPO Controls – an asset or an accident waiting to happen?

Unfortunately, most emergency power off installations are an afterthought. The EPO is designed, installed, and tested in the field at the end of a project, simply to meet minimum code requirements. Often construction documents do not include detailed specifications, standards for quality, wiring schematics, or desired sequence of operation.

Consequently, most EPO installations end up as decentralized, independent mechanisms -- usually comprised of relays located in j-boxes scattered about the room, access floor, and/or above ceilings. Each individual piece of equipment may have to be shut down separately – virtually impossible in times of emergency. In addition, breakers are not easily identified or monitored; wiring diagrams are often not available; and no maintenance bypass switch is installed that would allow an EPO condition to be locked out during routine maintenance. These installations are not easily modified or expanded and are susceptible to expensive false shut downs.

The Solution – The EPSMS

Fike's Emergency Power Shutdown Management System (**EPSMS**) addresses all the concerns of a typical EPO installation and effectively consolidates, controls and monitors all power off circuits. In addition, the UL-listed EPSMS system greatly reduces the chance of accidental EPO activation and improves your system restart time if the EPO is activated for any reason. That's peace of mind.

- Consolidates controls in one location
- Includes maintenance bypass with lock-out feature to prevent accidental activation of the EPO when removing the system from bypass mode
- Segregates the Power and HVAC shutdown within the control system
- Includes thorough documentation, sequence of operation, clear signage and drawings of the entire control system
- Includes dual action locking-type EPO switches with protective covers
- Control panel provides local monitoring and display of functions
- Control panel provides remote monitoring capabilities
- Power to the EPO controls can be monitored by fire control panel as required by NFPA 75
- Can be easily modified or expanded

Traditional EPO Design vs. Fike's EPO Design

EPO FEATURE	TRADITIONAL DESIGN	FIKE'S EPO DESIGN
Shop Drawings	NO	YES
Documented Sequences of Operation	NO	YES
Consolidated Controls	NO	YES
Maintenance Bypass with Lock-Out Feature	NO	YES
EPO Button-Dual Action Locking Type	NOT TYPICAL	YES
Local Monitoring	NO	YES
Remote Monitoring	NO	YES
Power to Controls Monitored by Fire Control Panel According to NFPA 75	NO	YES
System Test Capability	NO	YES
Quality Control Capability	AT THE JOB SITE	PRE-TESTED AND CERTIFIED PRIOR TO DELIVERY
UL Approved	NO	YES
Posted Restart Procedures	NO	YES

Accidental EPO Activation



Many EPO shutdowns are accidental, due to inadequate protection of the EPO switch, maintenance error or an outside vendor's unfamiliarity with the EPO control function. There is a large cost associated with abruptly shutting down an IT environment or other sensitive equipment, including lost data or equipment damage. And if there are no written or posted

procedures for restoration of power, resetting your EPO controls and re-energizing your equipment can be time-consuming and costly. It is imperative that measures be taken to prevent accidental EPO activation from occurring.

Fike designed the EPSMS system to address not only the need for a flexible and effective system, but one that greatly reduces the occurrence and effects of accidental activations.

- Single-point maintenance bypass switch with lock-out feature for easy system "safe off"
- Locking EPO button reset mechanism that expedites the identification of an EPO cause and location
- Dual action activation switch with protective guard reduces false activations
- Remote relays that allow for time/date stamp monitoring for easy activation diagnosis
- Sequence of operation is documented and posted for easy re-start

EPSMS

PROTECTS YOUR PEOPLE, ASSETS AND BUSINESS

Protect Your Business Continuity

Any stoppage of your business can be a devastating loss in production, customer satisfaction and revenue. Failure to properly design, install and manage EPO controls can negate your investment made in business continuity solutions such as uninterruptible power supplies, diesel generators, clean agent fire suppression systems and redundant cooling systems.

As a demonstrated leader in the manufacture of fire protection and life safety products, Fike has extended its expertise to bring you an effective, integrated and expandable EPO system that can greatly reduce your risk.

The Fike Emergency Power Shutdown Management System – safety and security in one system you can trust.

