

EMERGENCY POWER SHUTDOWN MANAGEMENT SYSTEM (EPSMS)

DESCRIPTION

Fike's Emergency Power Shutdown Management System (EPSMS) is a control panel designed to consolidate and coordinate emergency power off (EPO) in a timely and efficient manner. This panel allows for control and shutdown to occur from one consolidated and central point. This is in comparison to a typical EPO installation that many times is last minute and considered an afterthought. Typical installations often are decentralized systems, comprised of relays distributed throughout the room, under floors, and above ceilings. Power circuits feeding shunt-trip breakers are not identified and not monitored. These systems are rarely documented with no wiring drawings. No maintenance bypass switch is installed that would allow an EPO condition to be locked out for routine maintenance. The typical EPO installation is not easily modified or expanded and is susceptible to expensive false activation.

Fike's EPSMS control system addresses all the concerns of a typical EPO installation and effectively consolidates, controls, and monitors the power off circuits for equipment or zone of protection by a typical fire protection system. In addition, the EPSMS greatly reduces the chance of accidental EPO activation and improves your system restart time if the EPO is activated for any reason. The EPSMS system provides the following key features and benefits for a quality installation.

FEATURES

- Controls are consolidated in one location
- Can be easily modified or expanded
- The Power Shutdown and HVAC controls are segregated within the control system
- The entire control system is documented with drawings and sequence of operation, and is appropriately labeled
- EPO switches are of locking type and have a protective cover to prevent unwanted operation
- Control panel provides local monitoring and display of functions by illumination of indicating lights during operation
- Control panel provides remote monitoring capabilities
- Power to the EPSMS system can be monitored by fire control panel required by NFPA 75
- Maintenance override with lock-out feature
- Applicable in: data centers, telecommunication facilities, industrial facilities, elevator machine rooms, water treatment plants, electrical rooms and anywhere else there is a need for EPO controls

SPECIFICATIONS

Power Source: 120 VAC @ 20 A
 Panel Dimension: 18.5" H x 14.5" W x 5" D
 (467 mm H x 365 mm W x 127 mm D)
 Weight: 32 lbs (14.5 kg)
 Enclosure: NEMA 1 with hinged door, black finish, flush or surface mount

ORDERING INFORMATION*

Fike P/N	Description
20-1181	EPSMS Base Panel (Suppression)
20-1398	EPSMS (Pre-Action)
20-1399	EPSMS (EPO Only)
20-1400	Custom Design Services (1 Lot)
20-1182	C383 Relay (120V)
20-1373	C383 Relay (24V)
20-1401	Large Panel Enclosure Up Charge
20-1383	Remote Maintenance Override Light, 120VDC Amber with White Trim
20-1184	Keyed Emergency Power Off Button (Red)
20-1402	Keyed EPO Button (Red) with Ext. Horn
20-1403	Dual Input Power Source Up Charge
20-1404	Remote Power Supply (24VDC)

* For additional information on replacement parts, please refer to the commercial suppression toolbox on Fike Forum.



APPROVALS:

- UL508A Industrial Control Panel file E258952 (UL USA and Canada)



WIRING DIAGRAMS

