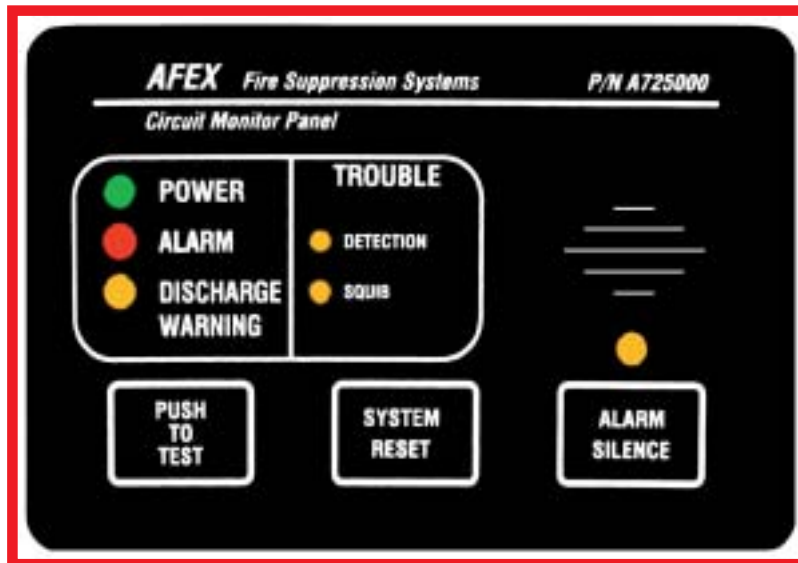


A Monitor for Automatic Fire Detection/Shutdown of Mobile Heavy Equipment



AFEX has responded to the increasing need for **Automatic** Fire Protection Systems. We have avoided inappropriate technologies such as microprocessors and, instead brought to the industry a solid state design that can withstand the most abusive environments. As production schedules tighten, and equipment availability becomes more and more important, you cannot afford to lose equipment to fire.

The *Circuit Monitor* is designed to interface with the AFEX detection package which includes dependable, self restoring thermal detectors.

This *Monitor*, as an integral part of your complete AFEX fire suppression system, represents a significant advancement in the protection of your mobile equipment.

Key Features of the A725000 Circuit Monitor Include:

- Monitors Power Supply
- Monitors the Integrity of the Detection Loop
- Monitors the Squib Firing Circuit
- Provides Audible and Visual Alarms
- Operator Controlled Delay Functions
- Solid State Circuitry

AFEX Circuit Monitor

KEY SYSTEM DESIGN PARAMETERS

- The AFEX *Monitor* and detection package is fed power from the protected equipment's battery pack. This provides a reliable power source that is regularly monitored and recharged. This eliminates the need for a separate battery that has to be regularly replaced.
- The AFEX *Monitor* employs solid state electronics without a microprocessor. The monitor's functions are simple and do not require complex switching capacity. This design makes the monitor less vulnerable to false alarms and interference from EMI, RF, ESD, or potential unregulated voltage that may reach the equipment's electrical system.
- The AFEX *Monitor* and Detection Package uses the AFEX self-restoring, spot thermal detectors. These detectors are shock and vibration resistant. The detector's switch closes at 300° F and resets at 270° F. Detectors with alternative temperature ranges are available upon request.
- The AFEX *Monitor* supervises all critical circuits (power, detection, squib) for continuity, ground faults and power.
- The AFEX *Monitor* uses both audible and visual alarms to alert the operator. It utilizes an adjustable time delay to allow the operator to come to a safe stop before the system discharge and optional shutdown of the engine. When 65% of the set time has expired, the operator is alerted that the discharge and shutdown is about to occur. The operator can reset the time delay to further delay the discharge and shutdown if more time is needed.