Electrical Enclosure Fire Protection

SAPPHIRE® COMPACT Direct Low Pressure

Automatic Fixed Fire Suppression Systems for Electrical Enclosures.
Utilising 3M™ Novec™ 1230 Fire Protection Fluid.

Product Overview

SAPPHIRE COMPACT
suppression systems

SAPPHIRE® COMPACT Features

- **Certified to LPS 1666.**
- **Protects enclosures with vents or forced ventilation.**
- **Requires no power supply for detection or actuation, remaining operational during power interruption.**
- **Can protect up to four enclosures with one system and each enclosure can be multi-compartment.**
- **Highly reliable detection tube. Unaffected by dirt, dust, debris and oil.**

Designed to protect enclosures with air vents, fans, forced ventilation.

Specifically Developed to Protect Small Enclosures

SAPPHIRE COMPACT Direct Low Pressure (DLP) fixed fire suppression systems have been specifically designed to protect small enclosures in accordance with Loss Prevention Standard, LPS 1666. "Requirements and test procedures for the LPCB approval of direct low pressure (DLP) application fixed fire suppression systems".

Small electrical enclosures can present a fire hazard at any time, the SAPPHIRE COMPACT system is designed to rapidly detect and extinguish fires. Systems can be designed to protect enclosures with both natural ventilation and forced airflow.

System Operation

SAPPHIRE COMPACT fire suppression systems require no power for detection or operation. Detection tubing is routed through the high risk areas of the enclosure, providing fast and effective detection. Upon flame impingement or high ambient temperature, the pressurised detection tube will rupture. The extinguishing agent is then discharged from the connected container through the rupture point on to the fire.

Electrically Non-Conductive Clean Agent

SAPPHIRE COMPACT systems utilise 3M™ Novec™ 1230 Fire Protection Fluid, an electrically non-conductive clean agent. If discharged, it does no damage to electronic equipment or the data stored on it and has zero ozone depleting potential and negligible global warming potential.