

AUTOMATIC FIRE SUPPRESSION SYSTEMS



Electricity is essential for most modern processes with distribution boards and control cabinets being found throughout business premises.

These panels are often hidden away in voids or switch rooms and they can be a significant risk factor when it comes to fire safety.

The UK statistics show the electricity is still the main source of accidental fires in commercial buildings which can not only cause severe disruption to businesses, but can also be a threat to the buildings and occupants

The inability to operate your business after even a small electrical fire can be very costly and in some cases can lead to the loss of both short and long term contracts. This can be far more damaging and the consequential losses are not always fully recoverable from the insurance companies.

Electrical Application Protection

The Firetrace[®] Solution



The Firetrace[®] range of Fixed Automatic Fire Suppression Systems are ideal for protecting all types of electrical enclosures. The systems use our unique patented linear detection tubing which is installed throughout the panel. This tubing can not only quickly and accurately detect a fire, but also suppress it before it can damage adjacent components.

These systems do not need complex electronic detectors or panels, but operate using simple pneumatics. This alleviates the need for separate power supplies or battery backups and also makes the entire system fail safe with minimal moving parts.

Typically, our systems to protect electrical enclosures use Novec 1230 as the suppressing agent. This is a clean, non conductive agent which is perfect for electrical risks.

**All Systems CE
& Fully PED
Compliant**

**Simple Automatic
Fire Protection,
No Complicated
Electronics**



AUTOMATIC FIRE SUPPRESSION SYSTEMS

So how does it work?

Firetrace[®] systems use the patented detection tubing which is installed throughout the enclosure and connected to the cylinder valve. The tubing is then charged with nitrogen which in turn holds the extinguishant within the cylinder.

Should a high temperature or fire occur, the pressurised tubing will burst resulting in the suppressing agent being deployed through the burst hole directly on to the fire.

This effectively means the burst hole in the tubing created by the fire has created a diffuser so it will always discharge in the right direction.

A switch is also added to the system and is held closed by the pressure. Should the tubing burst or the pressure lost for any reason then the switch will change state and this signal can be used to either isolate the power or raise an alarm.

Why choose Firetrace[®]?

Firetrace[®] offers affordable suppression systems to protect critical items of electrical equipment. Multiple compartments, panels and Form 4 enclosures can be protected using a single cylinder.

The systems react quickly minimising expensive damage and downtime by not only detecting the fire but suppressing it at source.

The systems are more effective than traditional ceiling mounted detectors that wait for the fire or smoke to leave the enclosures before raising the alarm.

The Firetrace[®] systems use small amounts of extinguishant and alleviate the need for entry restrictions or safety interlocks.

The systems can be easily retrofitted to existing equipment and avoid the need for complicated detectors and electronics.

All Firetrace[®] systems are CE marked and manufactured under our ISO9001:2015 quality system

Firetrace[®] has been manufacturing suppression systems for over 25 years and has vast experience in the fire industry. We have a number of documented success stories where the systems have both detected and extinguished fires with little or no damage to the equipment.

Firetrace[®] offers a full design, installation and aftersales service and is recognised by most major insurance companies

Data Cabinets

Firetrace[®] systems are also suitable for data cabinet applications and can easily be fitted to existing equipment. Not only can the systems protect individual racks in cupboards or remote locations, but they are also suitable for Data Centres with multiple racks being protected by one common cylinder.

The system can also be used to protect adjacent UPS and cooling equipment.



STOP FIRES WHERE THEY START

