

# FIRETRACE<sup>®</sup> LTD

## AUTOMATIC FIRE SUPPRESSION SYSTEMS

### STOPS FIRES WHERE THEY START

#### Electrical Fires

Electricity is essential for most modern processes with distribution boards and control cubicles being found throughout business premises. These panels are often hidden away in voids and switch rooms and they can be a significant risk factor when it comes to fire safety.

The UK statistics show that 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 their 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 insurers.

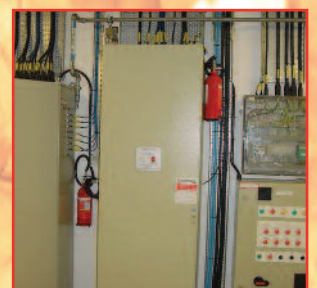


#### The Firetrace<sup>®</sup> Solution

Firetrace<sup>®</sup> has developed a range of Automatic Fire Suppression Systems ideal for protecting all types of electrical panels and enclosures. These systems use our unique patented linear detection tubing which is installed throughout the panels and cableways. This tubing can not only quickly and accurately detect a fire but also extinguish it before it can damage adjacent components.

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

A choice of non-conductive extinguishants are available which will not damage the electrical components or leave a residue. These include Novec 1230 from the 3M company which is both Non-toxic and the most environmentally friendly agent currently available.





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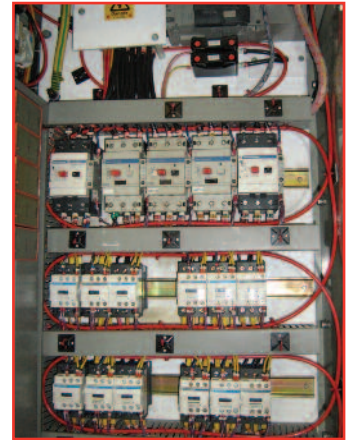
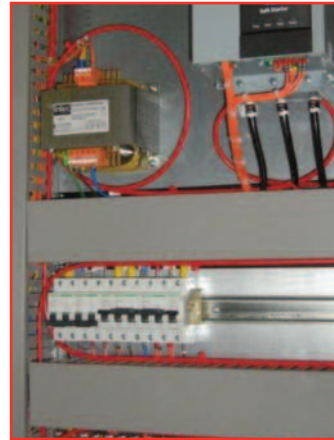
### So how does it work?

Firetrace<sup>®</sup> 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 and this pressure is utilised to hold back the extinguishant in the cylinder.

Should a high temperature or fire occur then the pressurised tubing will burst and the extinguishant will be deployed directly from the burst hole onto the fire.

This effectively means the fire has formed the discharge nozzle so it is always exactly in the right location.

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



### Why Choose Firetrace<sup>®</sup>?

Firetrace<sup>®</sup> 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 extinguishing it at source.

The systems are more effective than traditional ceiling mounted detectors that wait for the fire/ smoke to leave the enclosure 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<sup>®</sup> systems are CE marked and manufactured under our ISO 9001:2008 quality system.

Firetrace<sup>®</sup> has been manufacturing suppression systems for over 20 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 electrical fires with little or no damage to the equipment.

Firetrace<sup>®</sup> offers a full design, installation and after sales service and is recognised by most major insurers.



Note tube bursts after actual fires

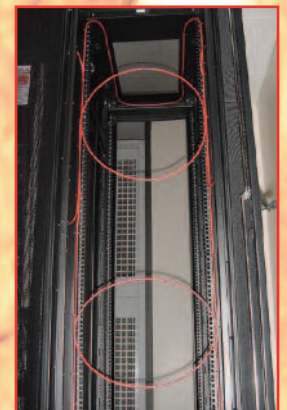


### Data Racks

Firetrace<sup>®</sup> systems are also suitable for data rack 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



**VISIT OUR WEBSITE TO SEE THE FULL RANGE OF FIRETRACE<sup>®</sup> SYSTEMS**

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