

 **Minimax**

FIRESPT[®]

PANEL & ROOM PROTECTION



A Product of **GUNNEBO**

FIRESPOT® PANEL PROTECTION SYSTEM

Virtually almost all the commercial and industrial premises have panels and cabinets installed inside dedicated rooms. An unprecedented fire by most common sources like loose connections, overloaded circuits, equipment failure, fatigued electrical wiring, improper installations etc. in these enclosed panels, mounted with high risk machines and vital equipment, can cause heavy downtime and huge commercial impacts.

DEVELOPED AND MANUFACTURED BY GUNNEBO INDIA, FIRESPOT® PANEL PROTECTION SYSTEM IS A SPECIALLY DESIGNED SELF-ACTUATING FIRE SUPPRESSION SYSTEM FOR “SPECIAL HAZARDS” IN ENCLOSED CABINETS. THIS PRE-ENGINEERED SYSTEM IS ACTIVATED BY A PRESSURISED HEAT SENSING TUBE WHICH RUPTURES AT THE SPOT WHERE FIRE OCCURS AND SUPPRESSES THE FIRE AT ITS ORIGIN.

FIRESPOT® Panel Protection System is the most effective and reliable product for protection of enclosed panels or cabinets from fire.



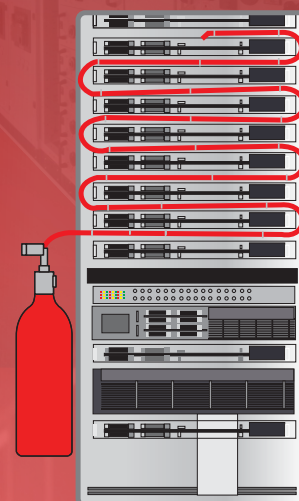
SYSTEM COMPONENTS



- Heat Sensing Polymer Tube
- Clean Agent (HFC-236fa / FK 5-1-12)
- Clean Agent Cylinder with Valve
- Audio Visual Hooter with SMPS
- Optional GSM Dialler & Pressure Switch

FIRESPOT® ADVANTAGES

- Heat sensing tube detects the fire at origin and releases suppression agent at location of fire.
- Heat Sensing Tube is electrically non-conductive, flexible and can be easily routed for hassle free installation.
- FIRESPOT® installation doesn't obstruct maintenance of equipment mounted in the PANEL.
- Cost effective and can be retrofitted in new as well existing panels or enclosures.
- Automatically self-operates, works 24/7 and requires NO power / battery back-up to operate.
- Clean agent does not leave residue after discharge eliminating the need for clean-up post discharge.
- Clean Agent is environment friendly with ZERO Ozone Depletion Potential.
- Option of GSM dialler enabling SMS alert to owner in the event of activation.
- UL approved Heat Sensing Tube and Clean Agent.

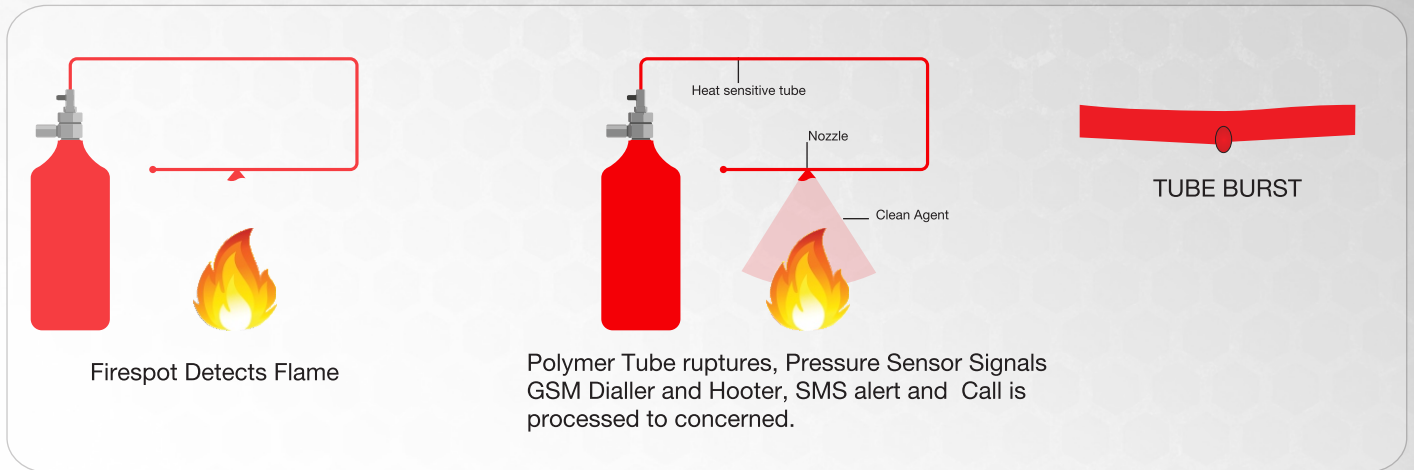


HOW SYSTEM WORKS

INSTALLATION - The heat sensing tube of FIRESLOT® Panel Protection System is installed directly inside the individual panels along mounted equipment. The tube is pressurised with the clean agent which makes it more reactive to flames.

DETECTION - The heat sensing tube made of special polymer ruptures on being subject to heat from flames at the location where the fire causes high temperature.

SUPPRESSION - The heat sensing tube is connected to the cylinder and discharges the clean agent through the opening caused due to the rupture at the location closest to the fire. The clean agent floods inside the panel, close to the origin of the fire and extinguishes it. An optional GSM dialler may be used to receive the signal of the agent being released and initiating a Phone Call or SMS to pre-programmed mobile telephone numbers.



APPROVALS

UL Listed Heat Sensing Tube

UL Listed Clean agent (HFC-236fa / FK-5-1-12 as per NFPA 2001)

FIRESLOT® Panel Protection System is approved by National Test House, Central Govt. testing Laboratory of India



APPLICATIONS

ELECTICAL PANELS AND CONTROLLING CABINETS

Main LT Panel, HT Panel, MCC and Switchgear Panels, Process Automation Control Panels

ENGINE COMPARTMENTS VEHICLES AND MASS TRANSIT

Enclosed automated control components and engine compartments of Buses, Electric Trains, Trucks and Cars

SERVER AND UPS PANELS

Computer Server racks, UPS and Battery Enclosures, HUB and Router Cabinets

CABLE TRAYS AND RELAY PANELS

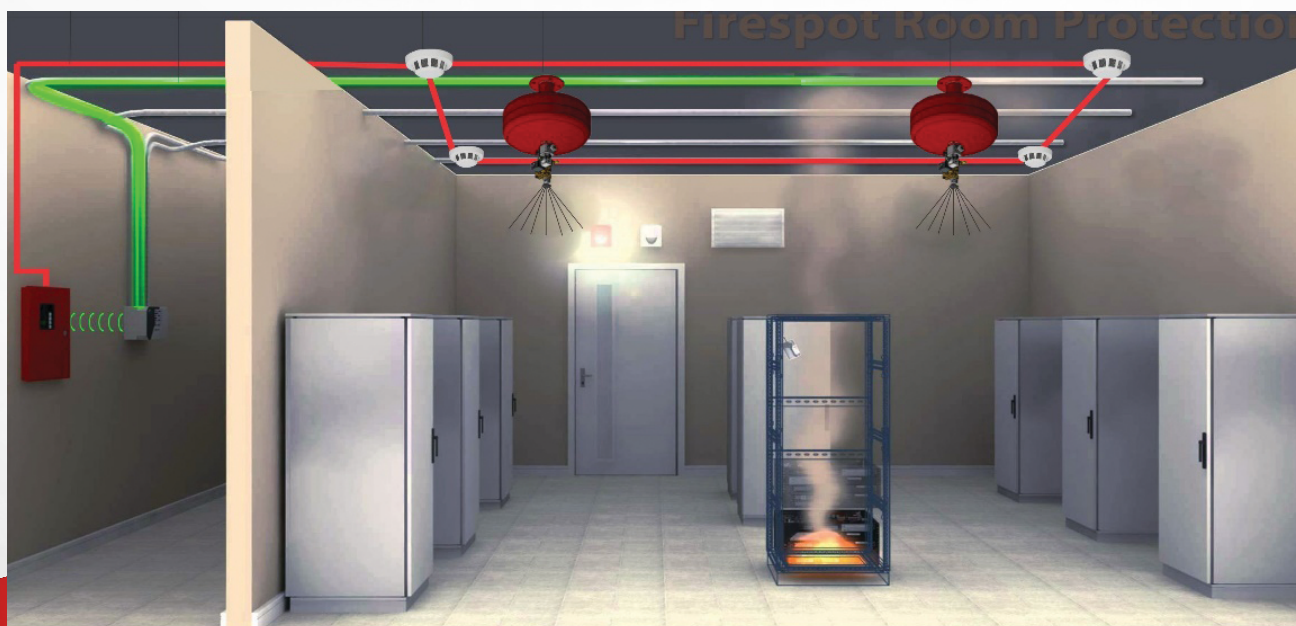
Underground cable tracks, overhead trays, Relay panels



FIRESPT® ROOM PROTECTION SYSTEM

Minimax FIRESPT® Room Protection System is a suppression solution designed for unmanned rooms where manual intervention at early stages of fire is not possible. This automatically operating suppression system is ideally suited for small server rooms and storage areas where special attention is required in providing adequate protection against fire hazard with early detection and suppression without causing any collateral damage.

This system comprises of ceiling mounted cylinder filled with Clean Agent and integrated with an electrically actuated control valve, point detectors and Fire Detection and Alarm panel. In case of fire, the detector sends signal to the fire alarm panel, which triggers the electrical actuator on the cylinder valve to discharge the agent into the room thereby suppressing the fire. An optional GSM dialler enables a signal to be sent alerting users by an SMS message on their mobile phones in the event of a cylinder being actuated due to fire.



SYSTEM FEATURES

- FIRESPT® Room Protection System is approved by National Test House, Central Govt. testing Laboratory of India.
- UL Listed Clean agent (HFC-236fa as per NFPA 2001) with ZERO Ozone Depletion Potential.
- Can be connected to central monitoring system through a control panel.
- Early detection and clean suppression without damaging critical equipment.
- Upto 2 units can be connected to one control panel
- Option of GSM dialler enabling SMS alert to users in the event of activation.
- Operates even during power outages with battery backup

FIRESPT® Room Protection System is best suited for electrical panel rooms, UPS and battery rooms, switchboard, record and server rooms etc.

A Product of **GUNNEBO**

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