

**Minimax**

# **FIRESPOT<sup>®</sup>**

Panel & Room Protection



**IGNITE SAFETY.  
EXTINGUISH RISKS.**

A **GUNNEBO<sup>®</sup>** BRAND

# FIRESPT® Panel Protection System



FIRESPT® Cylinder with UL approved Grenoz® Clean Agent

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, FIRESPT® 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.

FIRESPT® 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



Audio Visual Hooter

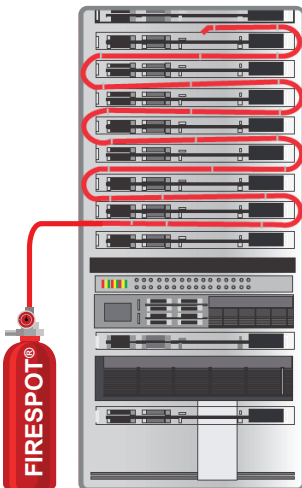


Pressure Switch



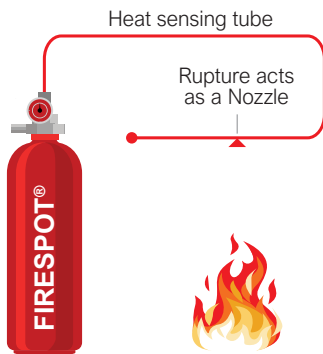
Monitoring Panel

## FIRESPT® ADVANTAGES



- ▶ Heat Sensing Tube is electrically non-conductive, flexible and can be easily routed through panels.
- ▶ FIRESPT® installation doesn't obstruct maintenance of equipment mounted in the PANEL.
- ▶ Clean agent does not leave residue eliminating the need for clean-up post discharge.
- ▶ Clean Agent is environment friendly with ZERO ODP & GWP less than 1
- ▶ Option of GSM dialler enabling SMS alert & voice call in the event of activation.
- ▶ UL approved Heat Sensing Tube, Clean Agent, Pressure Switch and Hooter.

## HOW SYSTEM WORKS

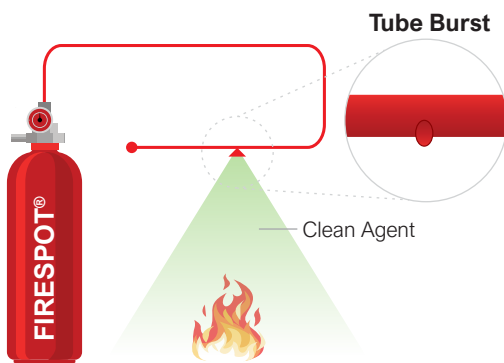


### INSTALLATION

The heat sensing tube of FIRES POT® 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 at the location of the fire hazard.



### SUPPRESSION

The heat sensing tube is connected to the cylinder which discharges clean agent through the opening caused due to rupture at the location closest to the fire. Clean agent floods inside the panel, close to origin of fire and extinguishes it. After the discharge, Pressure Switch sends the signal to the Monitoring Panel which triggers the Hooter. 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 or telephone numbers.



## APPROVALS

- ▶ UL Listed Heat Sensing Tube, Pressure Switch and Hooter
- ▶ UL Listed Clean agent (Grenoz® as per NFPA 2001)
- ▶ FIRES POT® Panel Protection System is approved by National Test House, Central Govt. testing Laboratory of India

## APPLICATIONS



### ▶ ELECTRICAL PANELS AND CONTROLLING CABINETS

Main LT Panel, HT Panel, MCC & 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



# FIRESPOT® Room Protection System

Minimax FIRESPOT® 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 through SMS & voice call in the event of fire.



## SYSTEM FEATURES

- ▶ FIRESPOT® Room Protection System is approved by National Test House, Central Govt. testing Laboratory of India.
- ▶ UL Listed Clean agent (Grenoz® as per NFPA 2001) with ZERO Ozone Depletion Potential and GWP less than 1.
- ▶ Can be connected to central monitoring system through a control panel.
- ▶ Early detection and clean suppression without damaging critical equipment.
- ▶ Option of GSM dialler enabling SMS & Call alert in the event of activation.
- ▶ Operates even during power outages with battery backup.
- ▶ FIRESPOT® Room Protection System is best suited for electrical panel, UPS, battery, switchboard, record, and server rooms, etc.



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### Gunnebo India Private Limited

**Regd. Office:** Unit No. 102, 1st floor, Akruti SMC, LBS Marg, Khopat, Thane (W) 400 601, MH, IND

**Email:** fireproducts.india@gunnebo.com | info@minimax.co.in

**Customer Care:** Toll Free - 1800 22 3525 | 1800 209 3040 | +91 22 6780 3600



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[www.minimax.co.in](http://www.minimax.co.in)

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