



Realty Automation & Security Systems Pvt. Ltd.

## Fire Suppression System - FSS-022D



### Product Description:

Fire Suppressants (Gas or Aerosol) are expensive and customers & installers are always concerned about reliability of the releasing system. Also they are concerned about accidental release.

"Vignaharta A3S" brings to you Fire Suppression Panels with unique features. Panel have **NFPA, EN54-2 EN54-4 & EN 12094 1 & CE** compliance and posses all the features required by international users.

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Panels are EMI/EMC tested and are protected against power line surges. Fault tolerant, intelligent, triple logic electronic hardware circuit coupled with intelligent software removes probability of accidental release.

FSS models use conventional detectors. They can be interfaced with BMS, SCADA with the help of RS485 or Ethernet ports for remote monitoring. For Aerosol Cans it has special monitoring circuit which can inform about disconnection or characteristic changes of the agent.

***FSS-022D Panel has Provide Optional Ethernet /GSM/GPRS Connectivity OR CMS monitoring out-put also available .***

### USPs:

- Extra Protection against accidental release
- Aerosol Monitoring Circuit
- Two RAC Output

### Note: Following Models Also Available

FSS-021D : Two Cross Zone, Single Aerosol Cans

FSS-042D : Four Cross Zone, Dual Aerosol Cans

FSS-021G : Cross Zone, Single GAS Control Valve Output

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Phone: +91 90110 33259/60, E-mail: sales@vignaharta.in, Web: www.vignaharta.in



**Product Features & Specifications:**

- Class B Initiating Device Circuits (IDC) – 2 nos - For Conventional Smoke Detectors.
- Class B Releasing Agent Circuits (RAC) – 2 nos (D: Aerosol Can Monitoring - 2Cans.)
- Class B Notification Appliance Circuits (NAC) – 1nos—For Hooter/Sounder etc.
- Fire / Fault status in unambiguous colors LED indication.
- Programmable Inputs for Pressure Switch, Inhibit/Abort Switch & Instant Release Switch and one spare.
- Programmable Mode (Auto/Manual) Selection & Zone Isolation facility.
- RAC Monitoring
- BMS Connectivity
- Up to 1000 Events Memory log support
- Ultra Safe Triple Activation Logic to avoid accidental release.
- Programmable Relays for Fire / Supervisory / Fault indication / RAC Released.
- Optional : Ethernet with MODBUS on IP
- Optional : Repeater Panel Connectivity
- Optional : Multiple Aerosol/RAC Release Card interface ( Release up to 16 Aerosol Module at time)



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### Technical Specifications:

<b>Power Supply</b>	170-230VAC,50/60Hz	<b>Output</b>	20*4 Dot Matrix LCD Display 2 Aerosol Output (2.4Amax) RS-485 Modbus Siren Output (Two Siren) LED & Audio Buzzer Output
<b>Operating Voltage</b>	12VDC OR 24VDC	<b>Battery Back-up</b>	Up to 7-8Hr (12VDC/4.5Ah)
<b>Input</b>	2 Zone Conventional FIRE De-	<b>Humidity</b>	5 to 90% Rh
<b>Size</b>	(480x100x340) mm(LxWxH)	<b>Working Temperature</b>	- 20°C to 55°C

### Applications

Used for Server/Store room  
Various control room  
Power plants  
Patch panels, electrical panels  
Chemical storage room, etc.