



**Realty Automation & Security Systems Pvt. Ltd.**

## **Fire Suppression System - FSS-021D**



### **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.

They are **NFPA & EN54-2** compliant and possess all the features required by international users.

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-021D & FSS-042D Panel has Provide Optional Ethernet /GSM/ GPRS Connectivity OR CMS monitoring output also available .**

### **USPs:**

- Extra Protection against accidental release
- Aerosol Monitoring Circuit

### **Note: Following Models Also Available**

- FSS-021 : Two Cross Zone, Single Gas Release
- FSS-042 : Four Cross Zone, Dual Gas Release
- FSS-021D : Two Cross Zone, Single Aerosol Cans
- FSS-042D : Four Cross Zone, Dual Aerosol Cans

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## **Fire Suppression System - FSS-021D**

### **Product Features & Specifications:**

- Class B Initiating Device Circuits (IDC) – 2 nos - For Conventional Smoke Detectors.
- Class B Releasing Agent Circuits (RAC) – 2nos (D: Aerosol Can Monitoring - 4 Cans.)
- Class B Notification Appliance Circuits (NAC) – 2nos For Hooter/Sounder etc.
- Any 2 IDC can be cross zone assigned for single RAC/NAC : For FSS-042/042D.
- Fire / Fault status in unambiguous colors LED indication.
- Alarm status audible and visual indication.
- Battery Low visual warning with audible tone.
- Programmable Relays for Fire / Supervisory / Fault indication / Released.
- Programmable Inputs for Pressure Switch, Inhibit/Abort Switch & Instant Release Switch and one spare.
- Programmable Mode (Auto/Manual) Selection & Zone Isolation facility.
- Programmable Supervisory Mode.
- Optional : for all versions : Extra 4 PFC Outputs
- Optional : for D (Aerosol) Versions : Support for Extra Aerosol Cans - Total up to 8 Cans
- Optional :RS485 with MODBUS RTU protocol or Ethernet with MODBUS on IP
- Optional : Repeater Panel.

## Fire Suppression System - FSS-021D

### Technical Specifications:

<b>Power Supply</b>	180-265VAC,50/60Hz	<b>Battery</b>	12VDC/7.2A x 2
<b>Operating Voltage</b>	34VDC/500mA for Loop 24VDC/3A for Panel Operation	<b>Battery backup</b>	Up to 8Hr
<b>Loop</b>	1	<b>Display</b>	128x64 Dots graphics LCD Display
<b>Loop Current Max.</b>	500mA/Loop	<b>Outputs</b>	SMS Reporting Up to 10 numbers RS-485 Modbus Siren Output Buzzer
<b>Devices</b>	25		3 PFC Relay (1Fire+1Fault+1 Aux)
<b>Programming Keys</b>	12	<b>Connectivity</b>	Optional: - USB Port for Panel
<b>USB Port</b>	1	<b>Humidity</b>	5 to 90% Rh
<b>Zones</b>	99	<b>Working Temperature</b>	- 10°C to 55°C
<b>Digital Inputs</b>	1	<b>Size</b>	(480x100x340) mm (LxWxH)

### Application



Control Room



Offices



Industries



Hotels



Chemical Industries



Air port