

## Fire Suppression System

(Family - Fire)

### 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. It is EN 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. Through this panel actuators of the aerosol or solenoids can be activated. Also, this output is monitored output. This system is flexible for various zone configurations like cross zoning facility.



### Application

- Hotels
- Factories
- Offices

### Product Features

- Extra protection against accidental release
- Class B initiating device circuits (IDC) – 4 no. - for conventional smoke detectors.
- Class B releasing agent circuits (RAC) – 2 no.
- Class B notification appliance circuits (NAC) – 2 no. —for hooter /sounder etc.
- 2 IDC can be cross zone assigned for single RAC & NAC.
- Fire / fault status in unambiguous colours LED indication.
- Inhibit/abort switch & instant releaseswitch.
- Programmable mode (Auto/Manual) selection & zone isolation facility.
- RAC monitoring
- Optional RS485 MODBUS RTU
- Up to 1000 events memory log support
- Ultra-Safetrip 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: RAC release card interface



# FSS042D



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### Technical Specifications

General specifications		
Operating temperature	- 20°C to 55°C.	
Storage temperature	0°C to 60°C.	
Humidity	5 to 90% Rh	
Colour	RAL 7035	
Enclosures	18 Gauge (1.22mm) CRCA sheet with powder-coated Finish	
Electrical specifications		
Power supply	Meanwell PSC-60A (13.8V,4.3A)	
Voltage & current rating	170-230VAC,50/60Hz	
Standby power	Two nos of 12V, 7Ah Sealed Lead acid battery	
Power consumption	Standby 1W	
Number of zones	04	
Devices per zone	20	
Mechanical specifications		
Weight	Approx. 5.4Kg	
Dimensions	480 x 100x 340mm (W x D x H )	
Display	20x4 LCD display	
Cable entry	19mm x 13Nos.	
Relay		
Type	SPDT	
Relay contact rating	7A @230VAC	
Number of relays	3	
Warranty	One-year manufacturing defect	
Models and Variants		
Model	Zone	Release Circuit
FSS021D	2	1
FSS022D	2	2
FSS042D	4	2
FSS084D	8	4
FSS0168D	16	8
Abbreviations		
FSS042D	FSS- Fire Suppression System, 04- four conventional zone, 2D- Two DSAP(Aerosol) outputs	

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