



AAL[®]
Autometers Alliance Ltd



ASPIRATING SMOKE DETECTOR SYSTEM (FDAS)

High Sensitivity Smoke Detector (EN54-20 Approved) very early warning Aspirating Smoke Detector System (FDAS) to be used for INDIAN Railways COACHES.

The product continuously draw air samples from the areas requiring protection and evaluate them for the presence of smoke. It is in accordance with international standards (EN 54) & accredited from global agencies such as UL/FM etc.

SALIENT FEATURES

- A modular concept, in which each module serves a specific control function.
- Designed to give early smoke detection warning.
- Inbuilt Audio Amplifier for announcement.
- Wide Voltage Operation, Reverse Voltage Protection.
- Easy interface with peripheral's.
- Air Inlet and outlet (25mm Dia.)
- Alert, Alarm and Fire threshold limit (User selectable Option).
- LED Indication for Power, Fault, and Fire etc.
- OTG USB for logged data download,
- Easy to maintain and lower life cycle cost

APPLICATIONS

FDAS continuous air sampling provide the earliest possible warning of an impending fire hazard. Aspirating smoke detectors buy the critical time needed to investigate an alarm and initiate an appropriate response to prevent injury, property damage, or business disruption.

FDAS SYSTEM APPLICATION & FEATURES

A. POWER INPUT

Factors	Values
Nominal Voltage	DC Voltage, 77 to 143V DC Input Voltage
Protection	Reverse Voltage Protection

B. OUTPUT

Factors	Values
Potential Free Contact	Potential Free Contact x 2 Nos
EM Brake Module	Emergency Brake Module Interface
Flasher	Panel Flasher/ COACH Flasher
Speaker	Inbuilt Audio Amplifier For Pre Recorded message Announcement.
Memory	NOR-Flash Memory upto 50000 Event data logger

C. PHERIPHERAL'S

Factors	Values
Isolated Digital Input	Optical Isolation Based Digital Input For EM Brake Sensing
Communication Interface	RS-232 Port
Communication Interface	Isolated RS-485 Port

D. GENERAL

Factors	Values
Operating Ambient Temperature	0°C to 70°C
Mounting	On Board Wall Mount.
Size	295 x 180 x 135 (mm)



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