NAS-2

Air Sampling System

Section: Intelligent/Addressable Devices

FEATURES

- **Compatible with all current ID Series Panels**
- **Uses NOTIFIER View, Optical and Ionisation detectors.**
- **Connects directly to panel's loop wiring**
- **Sampling points with pipes or by capillaries**
- **Uses standard 27mm diameter piping**
- **Detects blocked/open pipes**
- **Detects aspirating fan fault**
- **Common fault & individual alarm volt-free contacts.**
- **Maximum single pipe 100M or 60 M for a 2 pipe istallation.**
- **Designed to meet EN54-20**

SYSTEM

The NAS-2 is a smoke-detection system suitable for cost-sensitive applications where:

- ✓ An aspirating system is required, with or without high sensitivity.
- ✓ Added value can be realised from the higher level of integration available with NOTIFIER control panels.
- ✓ Ease of access for maintenance in restricted areas. e.g. lift shafts, cable tunnels.

NAS-2 is recommended for the detection of the early risk of fire in places such as telephone exchanges, computer rooms and anywhere high-cost electronic equipment enclosures are installed.

The NAS-2 can also be used where the fitting of point or beam detectors is inconvenient or inappropriate, this can include electric power enclosures, lift shafts, cold rooms, museums,prison cells and cable tunnels.

The NAS-2 has two B501 bases which allow any Notifier analogue sensors to be fitted. This enables the use of two VIEW, Ionisation or Optical devices, depending on the nature of the fire risk. A M710 module is required for the correct reporting of faults.

INSTALLATION

The panel must be installed in a clean, dry place free from vibration with a temperature between 0° and 35° C. The relative humidity must not exceed 95%. and no condensation.

The panel should be installed where the risk of fire is minimal and the place is protected by the fire detection system. The risk of mechanical damage must be avoided.

Fix the panel to the wall at an approximate height of 1.5 metres from the floor, in a place with easy access. The panel LED indicators should be at eye-level

CONTROLS AND INDICATORS

- ✓ Power ON LED
- ✓ 1 Fault LED.
- ✓ 2 Alarm LED's.
- ✓ 16 Character LCD Display.
- ✓ 5 Configuration Keys.
- ✓ Airflow Monitoring
- ✓ Blockage adjustment

SPECIFICATIONS

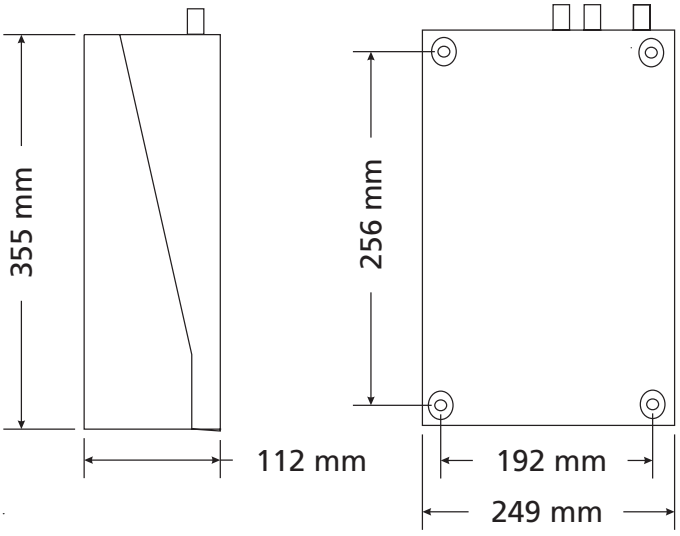
- **Enclosure**
  - ✓ Painted Steel
  - ✓ Dimensions: 249mm (w) x 355mm (h) x 112mm (d).
  - ✓ Weight: 5kg.
  - ✓ Cable connections: 2 x 20mm gland.
- **Power Supply**
  - ✓ External 24V dc.
  - ✓ 260mA quiescent.
  - ✓ 350mA Max.
- **Volt-free Contacts**
  - ✓ Two for Fire and one for Fault.
- **Detection**
  - ✓ Max. sensitivity: 0.021 %Obs/m (per VIEW sensor).
  - ✓ No. of alarm levels: 9 (VIEW).
  - ✓ Max pipe length (single configuration): 100m.
  - ✓ Max pipe length ('U' configuration): 60m.
  - ✓ Tube diameter: 27mm.
  - ✓ No. of pipe inlets: 2. Only for use with 'U' type installations.

ORDERING INFORMATION

Part No.	Description
002-638	Aspirating panel fitted with two B501 bases for analogue sensors.

Accessories:

FIL-NAS-2	Replacement filter cartridge.
TAPE100	Adhesive label to locate and indicate sampling points.
510-FIN	Sampling point for the end of pipe.
510-KIT	Capillary sampling point with 1m flexible nylon pipe, support for intermediate ceilings and 'T' branch junction to be connected to air sampling pipes.



Wiring Diagram