

AV Photoelectric Smoke Detector

20-V100-ADV

Advanced Fire Technology

AV analogue detectors are designed around a fully digital protocol.

The analogue addressable photoelectric smoke detector has been designed with a unique symmetrical chamber.

The chamber ensures optimum air entry from all directions and offers immunity to ambient light into the detectors.

A double dust trap protects the smoke chamber from airborne contamination and external light.

A special dust compensation algorithm reduces maintenance periods.

Continuous screen provides a high level of protection from small insects.

Soft and safe addressing allowing accurate configuration of system installation.

The unit provides a fast and secure response, and incorporates a bidirectional short circuit isolator.

A unique range of Decorline finishes are available.



EN54-7  BSI KM 96627  LPCB Cert No: 928b-(cl-5)

Features

- Approved to EN54-7
- High reliability and error detection
- Short circuit isolators in each device to the requirements of EN54-17
- Large capacity, up to 240 devices per loop
- Auto addressing capability (by the control panel) or manually using 20-VPU100-ADV handheld programmer
- Digital checking of double address
- Line quality information
- Built-in diagnostics, hardware/software drift compensation
- Day / night operation
- 4 selectable alarm thresholds
- 360° visible bicolour (red green) LED driven by the control panel
- Independent remote output
- Magnet test feature
- Part Number 20-V100-ADV

Technical Specifications

| | |
|-----------------------------|--|
| Power Supply | 15-40 V |
| Average Current Consumption | I=70 uA |
| Output driver current | I _{out} =6mA @24V _{dc} |
| LED current consumption | I _{led} =6mA @24V _{dc} |
| Operating Temperature Range | -30°C / +70°C |
| Humidity (non condensing) | 95% RH |
| Dimensions (H x Diam.) | 110 x 54 mm |