

# DIGITAL ADDRESSABLE OPTICAL SMOKE DETECTOR

MODEL: AS-601-SD-EIA



## Description:

Digital Addressable smoke detectors combines proven design with performance and has unique features that benefit the installer and end user. ASES Smoke Detector works using the light scatter principle and is ideal for applications where slow burning or smouldering fires are likely. The Detector continuously monitors the environment for contamination of clean air by smoke particles. This facilitates early warning of incipient fires.

## Features :

- Compatibility with ASES digital addressable FACP
- Address programmable through Dip Switches
- Dual LED design provides 360° viewing
- Remote indicator output available.
- Alarm flag for fast alarm reporting
- Responds well to slow burning, smouldering fires
- Easy installation, Removable innovative sensing chamber, easy for maintenance.
- Well suited for bedrooms and escape routes
- Reliable fire detection in areas with a wide temperature range from -10°C to +60°C
- Well suited to environments such as hotel bedrooms, warehouses and loading docks.

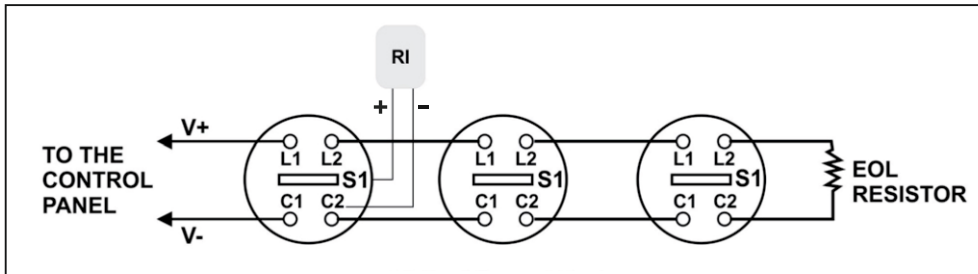
## Recommended Cabling:

1.5mm<sup>2</sup> or above fire cable is recommended, laid through metal or flame-retardant conduit, but subject to local codes. Note: Different color cables are used to avoid wiring mistakes.

## Specification

Operating Zone Voltage	19-24 Vdc
Standby Current	40 µA
Alarm Current	24 mA <sub>≥</sub> (without remote indicator)
Fire LED	Green. Flashes every 3s normally. RED Steadily Illuminates after alarming.
Remote Indicator Output	Directly connecting with indicator Quiet in normal condition; flashes in alarm.
Programming Method	Programming from DIP SWITCHES
Wiring	Non Polarized 2-core for a Zone, Polarized 2-core for the remote detector.
Sensor	Photo electric diode
Detection principle	Lights Scattering
Environment Temperature	-10C to 60C)
Relative Humidity	5% - 95% Rh
Material of Enclosure	ABS
Dimensions	Diameter: 100 mm Diameter x 52 mm Depth
Weight	150 g approx

## Connection and Cabling:



There are five terminals with numbers on the base.

- L1 (+) : Zone +
- C1 (-) : Zone -
- S1 (+) : REMOTE INDICATOR
- C2 (-) : REMOTE INDICATOR

## Notice:

1. The detector can not be installed under worse environment e.g. Coldest and dusty. Do not remove the dust proof cover until use the detector.
2. Make sure that there is no block within 0.5m form detector .
3. Keep the distance between detector and wall more than 0.5m.
4. Detector should be install Horizontally. If need, to be installed slantingly please keep the angle less than 45 degrees.
5. Make sure the distance between detectors be less than 3.5m. And the distance between detector and corner must be less than half of the one between detectors.
6. Detectors base be installed solid. Wire connection must be reliable.
7. Recommendations should be carried out every six months a simulated fire test, the detectors are working properly.
8. For various reason like change in environmental condition, electric disturbance and tampering, the product may not perform as expected. The user is advised to take all necessary precautions for his/her safety and protection of his/her property.

## Detector base image for wiring:

