

ADS-SMOKE-24 | Smoke sensor 24V

ADS-SMOKE-24 is used to control ventilation, air quality monitoring in the people occupied areas like restaurants, shops, offices, households, flats and likewise.

- > sensitive to cigarette smoke
- > based on electrochemical principle
- > analog output 0 - 10V + output relay
- > built-in regulator
- > long-life

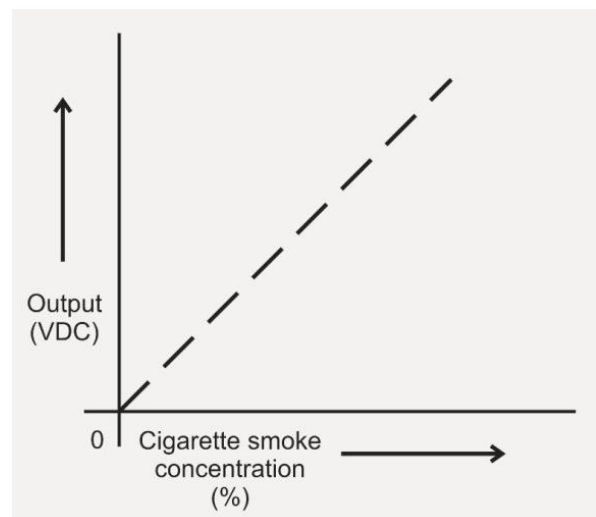


Part no: 90000321

ADS-SMOKE is an indoor air quality sensor with analog voltage output 0 - 10 V and an output relay with adjustable switching level. The sensor has a high sensitivity to low concentrations of pollutant gasses in the air. For example carbon monoxide and hydrogen, those are contained in the cigarette smoke. Therefore is the ADS-SMOKE appropriate for use in areas polluted by cigarette smoke. Monitoring of the air pollution allows very economical controlling of ventilation systems.

| Parameter | Value | Unit |
|---|------------|---------|
| Power supply optional ⁽¹⁾ | | |
| AC 50/60 Hz | 24 | VAC |
| DC | 14 – 24 | VDC |
| Input | 2,5 | VA |
| Switched voltage | max. 250 | VAC |
| Switched current | max. 16 | A |
| Switching hysteresis | 1,5 | V |
| Voltage output | 0 – 10 | VDC |
| Current output 1 | 0 – 20 | mA |
| Current output 2 | 4 – 20 | mA |
| Sensor warm-up ⁽²⁾ | 10 | minutes |
| Working temperature | 0 to +40 | °C |
| Working humidity | 5 to 95 | %RH |
| Storage temperature | -20 to +60 | °C |
| Dimensions | 125x83x37 | mm |
| (1) For the long term stability it is recommended to power the sensor continuously. | | |
| (2) Since power on to warm-up the sensor. The first 10 minutes the output will be 0V. The relay starts to switch after this interval. In the next 24 hours the sensor will stabilize. | | |

Indicative sensitivity characteristics:



Call: 01494 525252

Visit: airflow.com