



The Intelligent Aspirating Smoke Detector AT-AD2E & AT-AD4E is designed to standard with qualities of simple installation, operation, and easy maintenance.

The detector consists of an air pump, a smoke detection chamber, a control circuit and a display circuit. The sampling pipe network consists of PVC pipe or steel pipe, which is laid flexible in the protected area. It is very useful for server room, cold storage, electrical room, special room.

System Composition

The aspirating smoke detector consists of a smoke detector and a piping system. The smoke detector alarm is composed of detection module, main control board, display operation panel and relay output board. The piping system is provided by the installers.

AT-AD2E have one detection module inside, which contains two air inlets.

AT-AD4E have two detection module inside, each contains two air inlets.

- Large monitoring area, 2000m² for AT-AD2E, and 4000m² for AT-AD4E
- Four-stage fire alarm mode
- Networkable for remote monitoring
- Monitor airflow in real time and determine whether the airflow is blocked or the sampling tube is cracked according to the set airflow threshold level
- Environment smoke concentration adaptive
- Intuitive Display

Technical Specification

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|-------------------------------|------------------------------------------------------------------------------------------|
| Operating Voltage | PSU: 24Vdc (20.4 ~ 27.6V) Loop : 24Vdc (16 ~ 28V) |
| Operating Current | PSU: <820mA (AT-AD2E) <620mA (AT-AD4E) Loop : <1.8mA (AT-AD2E) <3.6mA (AT-AD4E) |
| Sensitivity | Min. 0.001%obs/m |
| Device Address | 1 (AT-AD2E) 2 (AT-AD4E) |
| Lifetime for Sampling Pump | 100,000 hours |
| IP rating | IP20 |
| Operating Temperature | -20C - +55C |
| Sensitivity | 0.035-0.80%obs/m |
| Max. Length of sampling Pipe | 110m *2 (AT-AD2E) 110m *4 (AT-AD4E) |
| Max. Quality of Sampling Pipe | ≤46 holes (AT-AD2E) ≤92 holes (AT-AD4E) |
| Max. Protection Area | 2000m ² (AT-AD2E) 4000m ² (AT-AD4E) |
| Networking Method | RS485 |
| Networking Capacity | Max. 255pcs |
| Dimension (mm) | 315mm(H) x 208mm(L) x 122mm(D) |
| Weight | 2.0 kg |