

## ADDRESSABLE SMOKE AND HEAT DETECTOR

### BP-FD-ASHD303



### OVERVIEW

The AW-D303 addressable optical smoke and heat multi-sensor detector is composed of a smoke sensor and dual heat sensors. It not only has the performance of photoelectric smoke fire detector, but also has the performance of heat detector. The detector is made of non-polar two bus, which can be used with fire alarm control panel.

### FEATURES

- Dual heat sensors
- The design of the optical/heat multi-sensor detector is sleek, with a 360° LED indicator that will be on in red when in alarm
- Non-polarity, a two-bus connection that ensures convenient installation and maintenance
- Can realize electronic coding and rewrite the address via coder in site
- Can realize real-time data acquisition and processing within a single-chip MCU, and realize a curve tracing for the field situation
- Has a temperature, humidity and dust accumulation drift compensation function and a sensor fault detection function (fault reporting to fire alarm control panel)
- Has a dynamic algorithm, providing transient rejection and compensation for drift whilst maintaining accurate sensitivity

**SPECIFICATION**

| Model: BP-FD-ASHD303      |   |
|---------------------------|---|
| Technical Parameters      |   |
| Operating Voltage         | Loop 24V (20V ~ 28V)  |
| Standby Current           | <0.4mA  |
| Alarm Current             | <1.5mA  |
| Class                     | A2R & A2S   |
| Fire LED                  | Red. Flash in polling, and illuminate in alarming           |
| Programming               | Electronically addressed                                    |
| Programming Range         | Occupying one address within 1~324                          |
| Wiring                    | Loop: two wire, polarity-insensitive                        |
| Environmental temperature | -10°C ~ +50°C   |
| Relative humidity         | ≤95%, non-condensing  |
| Material of Enclosure     | ABS   |
| Dimension                 | Diameter: about 100mm<br>Height: about 60mm (with the base) |
| Mounting hole distance    | 44.5mm ~ 64.3mm   |
| Weight                    | About 123g (with the base)                                  |