

Description

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 produced by our company.



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

Technical Specification

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 Height: about 60mm (with the base)
Mounting Hole Distance	44.5mm ~ 64.3mm
Weight	About 123g (with the base)
Certificate	CE, LPCB approved