

Description

AW-D301 addressable photoelectric smoke detector (Detector hereunder) is a kind of photoelectric smoke detector. With an internal microprocessor, it supports electronic coding and is accessed through AW-FP300 fire alarm control panel via a two-wire bus. The detector realizes real-time acquisition of the in situ smoke concentration data and sends back the data to a fire alarm control panel. It can also receive and execute the control commands given by a fire alarm control panel.

The detector is suitable for such industrial and civil buildings that have a great deal of smoke during fires but no smoke under normal circumstances, such as restaurants, hotels, teaching buildings, office buildings, computer rooms, communication machine rooms, libraries and archives. It is not suitable for places with a great deal of retained dust and water mist, places where steam and/or oil mist may be generated and places with retained smoke under normal circumstances.



Features

- ✓ It can realize electronic coding and rewrite the address via coder in situ.
- ✓ Within a single-chip microcomputer, it can process the sampling data in real-time, save the latest 144 historical data and realize a curve tracing for the field situation.
- ✓ It has a temperature, humidity and dust accumulation drift compensation function and a sensor fault detection function (fault reporting to fire alarm control panel).
- ✓ Non-polarity, two-bus connection that ensures convenient installation and maintenance.
- ✓ Designed with an upper cover and a lower cover and installed on an independent base, it can be installed, debugged and maintained conveniently.
- ✓ Built-in remote indicator output terminal, drive remote indicator lit when fire alarm.
- ✓ Installation height is less than 12 meters.

Technical Specification

Operating Voltage	Loop 24V(18V~28V)
Standby Current	<0.3mA
Alarm Current	<1.5mA (without remote indicator) <3.5mA (with remote indicator)

Remote Indicator Output	Polarity-sensitive output, directly connect to remote indicator (built in 10k resistor in series, max. output current is 2mA); The red indicator will blink in the monitoring status or remain lit in the alarm status.
Fire LED	Red, Flash in polling, and illuminate in alarming
Programming	Electronically addressed
Programming Range	Occupying one address within 1~324
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Wiring	Loop: two wire, polarity-insensitive
Environmental Temperature	-10°C ~ +55°C
Relative Humidity	≤95%, non-condensing
Material of Enclosure	ABS
Dimension	Diameter: 100mm Height: 58mm (with the base)
Mounting Hole Distance	44.5mm ~ 64.3mm
Weight	About 128g (with the base)