

Description

AW-D302 Addressable Heat Detector (Detector hereunder) is a mated product of the AW-FP300 fire alarm control panel. It uses a two-bus work mode. With an internal microprocessor, it supports electronic coding. The detector realizes real-time acquisition of the in situ temperature 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. When in a routing inspection, the detector indicator will blink. When there is a fire in the monitored area and the temperature has reached the alarm threshold, the fire alarm control panel will confirm a fire alarm according to the received message sent from the detector, and the detector indicator will light at the same time to indicate a fire alarm.



Features

- ✓ It can realize electronic coding and rewrite the address via coder in situ.
- ✓ Within a single-chip microcomputer, it can realize real-time data acquisition and processing, realize a curve tracing for the field situation.
- ✓ It has a temperature 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.

Technical Specification

Operating Voltage	Loop 24V(18V~28V)
Standby Current	<0.3mA
Alarm Current	<1.5mA (without remote indicator) <3.5mA (with remote indicator)
Class	A2
Fire LED	Red, Flash in polling, and illuminate in alarming
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
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: 100mm Height: 60mm (with the base)
Mounting Hole Distance	44.5mm ~ 64.3mm
Weight	About 115g (with the base)