

DHI-HY-2301

Addressable Smoke Detector



- 4W-B Smoke Detector, compatible with remote indicator
- The backlight compensation intelligent algorithm allows the smoke detector to automatically adjust the alarm threshold based on maze contamination levels, extending cleaning cycles and simplifying maintenance
- Non-loosening screws on base terminal for easy installation
- Contacts material is highly acid-resistant and rust-resistant

System Overview

The DHI-HY-2301 is a 4W-B addressable photoelectric smoke detector that features a polarity-free two-wire power supply. It utilizes a dual emitter and single receiver maze design, incorporating a contamination compensation function.

Technical Specification

Surveillance Area	For installation heights below 4 m, the coverage area is 150 m ² For installation heights between 4 m and 12 m, the coverage area is 80 m ²
Working Principle	Smoke detection
Alarm mode	Indicator light alarm
Operating Voltage	DC 24V
Operating Current	Static current: ≤ 750μA Alarm current: ≤ 2mA
Operating Temperature	−10°C to +50°C (14°F to 122°F)
Operating Humidity	≤ 95% RH (no condensation)
Dimensions (with base)	Φ100 mm × 46.3 mm (Φ 3.94" × 1.82")
Weight (with base)	96 g (0.21 lb)
Installation	Ceiling Mount

Functions

Compensation Mechanism for Maze Contamination

By using a maze contamination compensation algorithm, the system intelligently adjusts the alarm threshold, effectively extending the cleaning cycle.

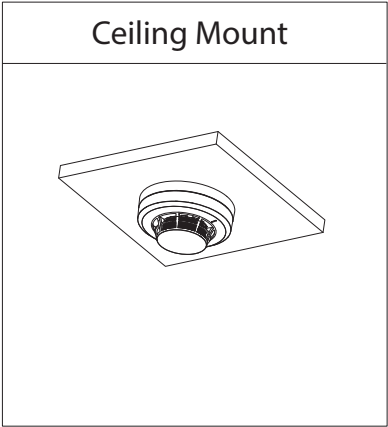
Addressability

After a fire alarm is triggered, the exact location of the alarm can be accurately identified.

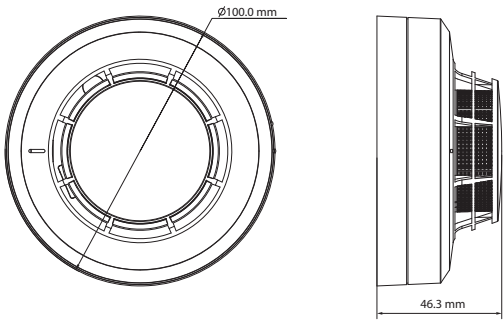
Scene

It is designed to be used with addressable fire alarm control panels and is suitable for a variety of residential and industrial buildings, including homes, hotels, office buildings, educational institutions, banks, libraries, warehouses, computer rooms, communication rooms, and archives.

Installation



Dimensions (mm/inch)



Ordering Information

Type	Model	Description
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