

DHI-HY-2301

Smoke Detector



- Polarity-free two-wire design simplifies on-site wiring
- Employing intelligent background light compensation, it auto-adjusts alarm thresholds based on maze contamination, prolonging cleaning cycles and facilitating maintenance
- Base terminal features non-loosening screws for effortless installation
- Exhibiting high resistance to acids and rust, the contact material is durable
- Designed in accordance with EN54-7 standard

System Overview

DHI-HY-2301 Smoke Detector is designed to operate on a polarity-free two-wire power supply. It features a maze design with two emitters and one receiver, and is equipped with a maze pollution compensation function.

Functions

Compensation Mechanism for Maze Contamination

Adopting the maze pollution compensation algorithm, automatically adjusting the alarm threshold intelligently extends the maze cleaning cycle effectively.

Addressability

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

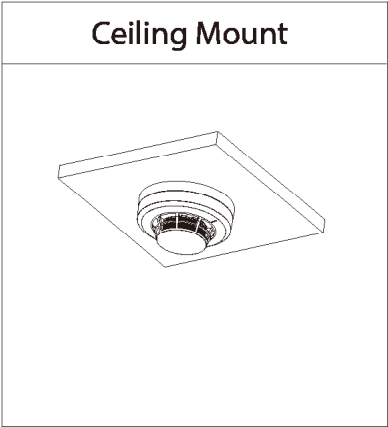
Scene

It is designed to be used in conjunction with an addressable fire alarm control unit and is suitable for residential buildings, hotels, office buildings, educational facilities, banks, libraries, warehouses, computer rooms, communication rooms, archives, and other civil and industrial buildings.

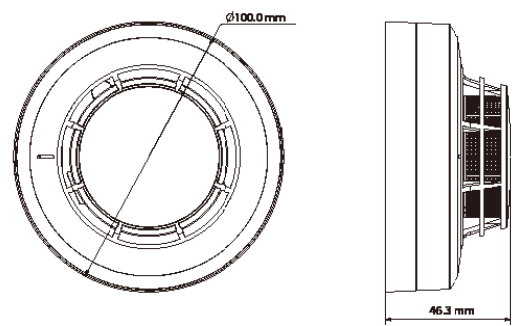
Technical Specification

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
Remote Indicator	Support
Working Principle	Smoke detection
Alarm Mode	Indicator light alarm
Operating Voltage	DC16-28V
Operating Current	Static current: ≤350μA Alarm current: ≤450μA
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
Compliance Standard	EN 54-7

Installation



Dimensions (mm/inch)



Ordering Information

Type	Model	Description
Detector	DHI-HY-2301	Detector