

DHI-HY-2301-RE

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
- Designed in accordance with EN54-7 standard

System Overview

The DHI-HY-2301-RE 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.

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.

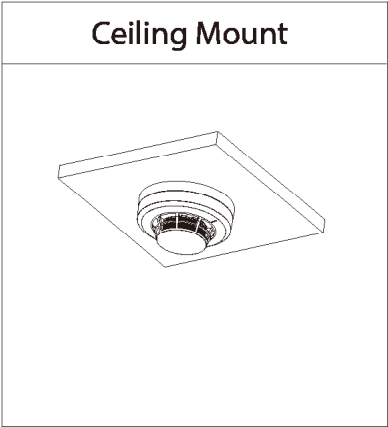
Scene

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.

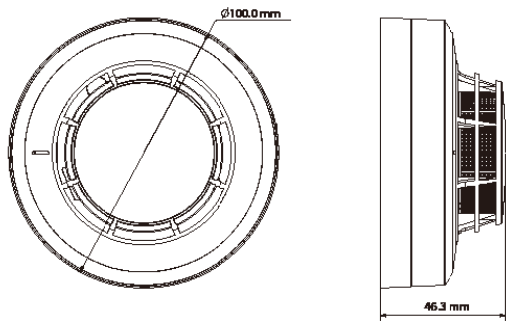
Technical Specification

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
Relay Out	Yes
Working Principle	Smoke detection
Alarm mode	Indicator light alarm
Operating Voltage	DC 24V
Operating Current	Static current: ≤ 300μA Alarm current: ≤ 6.5mA
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
Addressable Smoke Detector	DHI-HY-2301-RE	Addressable Smoke Detector