

# DHI-HY-C134-RE

## Conventional Smoke Detector



- 4-Wire Conventional Smoke Detector, features a relay output
- 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-C134-RE 4-Wire Conventional Smoke Detector (hereinafter referred to as "the detector") is a component of the fire automatic alarm system. The detector has a built-in high-performance smoke sensor. It utilizes the principle of blue light and infrared light scattering to analyze the real-time data transmitted by the sensor through intelligent algorithms and determine whether to issue a fire alarm signal. The background light compensation intelligent algorithm automatically adjusts the alarm threshold based on the level of contamination in the maze, thus extending the life cycle of the maze.

### 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.

#### Non-Addressability

It is plug-and-play, requiring no address coding, and offers convenient debugging.

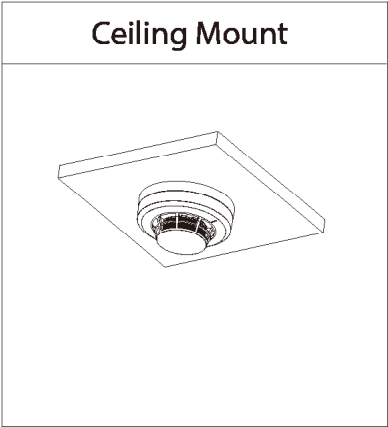
### Scene

It is designed to be compatible with conventional fire alarm control panels and is suitable for use in residential buildings, hotels, offices, educational institutions, banks, libraries, warehouses, computer rooms, communication rooms, and archival storage in both civilian and industrial structures.

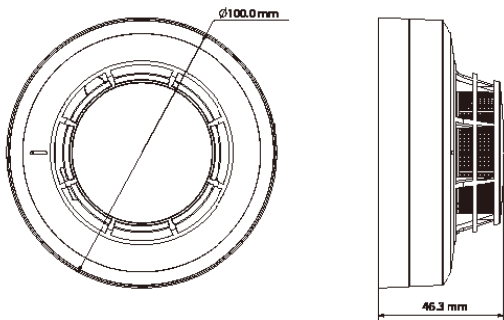
### Technical Specification

Surveillance Area	For installation heights below 4 m, the coverage area is 150 m <sup>2</sup> For installation heights between 4 m and 12 m, the coverage area is 80 m <sup>2</sup>
Relay Out	Yes
Working Principle	Smoke detection
Alarm mode	Indicator light alarm
Operating Voltage	DC 24V
Operating Current	Static current: ≤ 60μA Alarm current: ≤ 20mA
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-C134-RE	Detector