

DHI-HY-C136-RE

Conventional Heat Detector



- 4-Wire Conventional Heat Detector, features a relay output
- Non-loosening screws on base terminal for easy installation
- Contacts material is highly acid-resistant and rust-resistant
- Designed in accordance with EN54-5 standard

System Overview

DHI-HY-C136-RE 4-Wire Conventional Heat Detector (hereinafter referred to as “the detector”) is a component of the fire automatic alarm system. This detector analyzes the real-time data transmitted by a thermistor temperature sensor. It sends out a fire alarm signal after analyzing the ambient temperature through an intelligent algorithm.

The detector needs to be connected to a fire alarm control panel. It is suitable for apartments, hotels, teaching buildings, office buildings, banks, libraries, warehouses, computer rooms, communication machine rooms, archives, and other industrial and civil buildings.

Functions

Sensitive Heat detection

The detector uses a sensitive thermal element to monitor temperature and emits an alarm when a fire raises the temperature.

Non-Addressability

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

Scene

It is designed for use with conventional fire alarm control panels and is suitable for a variety of civilian and industrial buildings, including residential properties, hotels, office buildings, educational institutions, banks, libraries, warehouses, computer rooms, communication rooms, and archival storage facilities.

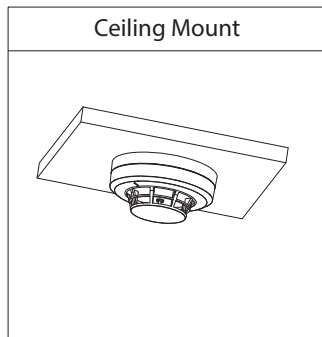
Technical Specification

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	Heat detection
Relay Out	Yes
Sensor Class	A2R
Fixed Detection Threshold	62°C ± 3°C (144°F ± 37.4°F)
Dynamic Detection	1 to 30 K min ⁻¹
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)	102 g (0.22 lb)
Installation	Ceiling Mount
Compliance Standard	EN54-5

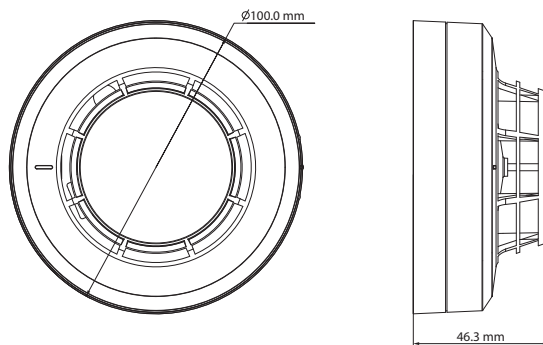
Response Time Limits

Rate of Rise of Air Temperature	Lower Limit of Response Time		Upper Limit of Response Time	
	min	s	min	s
1 K min ⁻¹	29	0	46	0
3	7	13	16	0
5	4	9	10	0
10	2	0	5	30
20	1	0	3	13
30		40	2	25

Installation



Dimensions (mm/inch)



Ordering Information

Type	Model	Description
Conventional Heat Detector	DHI-HY-C136-RE	Conventional Heat Detector