

# DHI-HY-C136

## Conventional Heat Detector



- 4W-B Heat Detector, compatible with remote indicator
- 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

The DHI-HY-C136 is a 4W-B non-addressable heat detector that operates on a polarity-free two-wire power supply. It primarily utilizes a thermal sensing element to detect fires. During the initial stage of a fire, significant heat is released, causing a rapid increase in the surrounding temperature. The thermal sensing element in the detector undergoes a physical change, responding to abnormal temperature, rate of temperature change, and temperature differentials. This transforms the temperature signal into an electrical signal, triggering an alarm.

### 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.

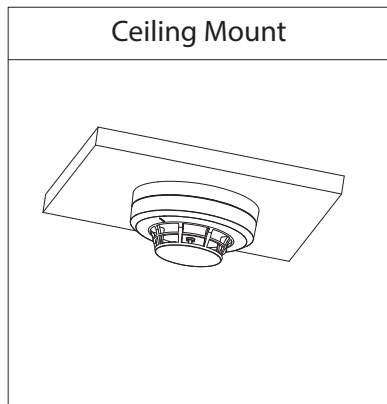
### Technical Specification

Protection 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>
Remote Indicator	Support
Working Principle	Heat detection
Sensor Class	A2R
Fixed Detection Threshold	62°C ± 3°C (144°F ± 37.4°F)
Dynamic Detection	1 to 30 K min <sup>-1</sup>
Alarm Mode	Indicator light alarm
Operating Voltage	DC 24V
Operating Current	Static current: ≤ 55µA Alarm current: ≤ 25mA
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

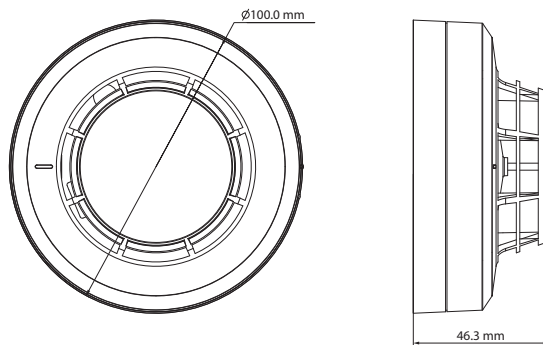
## Response Time Limits

Rate of Rise of Air Temperature	Lower Limit of Response Time		Upper Limit of Response Time	
	min	s	min	s
1 K min <sup>-1</sup>	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	Conventional Heat Detector