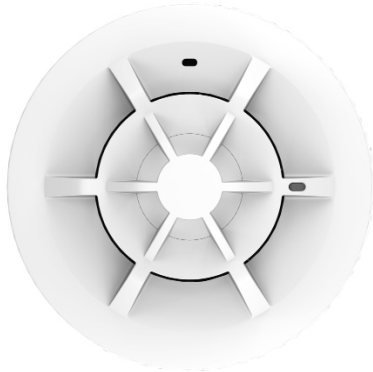


DHI-HY-C135

Conventional Multi-sensor Smoke and Heat Detector



- 3W-B multi-sensor smoke and heat detector with two-wire and polarity-free power supply
- Reliable communication: Built-in microprocessor, stable performance
- Ultra-low power consumption: Ultra-low monitoring current and alarm current
- High-performance sensor featuring a split-spectrum optical smoke detector and a sensitive thermistor
- Designed in accordance with EN54-5 and EN54-7 standards

System Overview

The DHI-HY-C135 Conventional Multi-Sensor Detector is a complementary component of the conventional fire alarm system. It combines an optical smoke sensor with a thermistor temperature sensor, utilizing an intelligent algorithm to analyze both smoke and ambient temperature in order to activate alarms.

Functions

Split-spectrum photoelectric smoke detection technology

Integrated with split-spectrum photoelectric smoke sensing chamber, it identifies smoke effectively and provides higher fire detection accuracy.

Back light compensation technology

The smart algorithm of automatic compensation against dust concentration helps adjust alarm threshold automatically, prolong cleaning cycle of chamber, and offer a convenient maintenance.

High-performance multi-heat sensor

Equipped with a variable fixed-temperature heat element and a rate-of-rise heat element, this detector enhances the accuracy of fire detection.

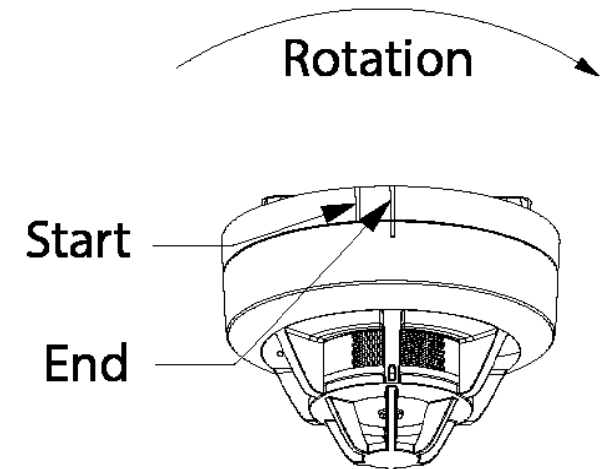
Scene

It is suitable for such industrial and civil buildings such as apartments, condominiums, offices, retail stores, and warehouses.

Technical Specification

Power	DC24V
Current	Monitoring current: $\leq 70\mu\text{A}$ Alarm current: $\leq 15\text{mA}$
Indicator	Red LED Polling: Flash every 6 seconds Alarm: Remain lit Fault: Flash every 2 seconds
Alarm Threshold for Heat Detection	A2R (54°C to 62°C) (129°F to 144°F)
Wiring	Two-wire, polarity-free
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Storage Temperature	-20°C to +65°C (-4°F to +149°F)
Operating Humidity	$\leq 95\%$ RH (no condensation)
Color	White
Dimensions (with base)	$\Phi 100\text{ mm} \times 68.7\text{ mm}$ ($\Phi 3.94" \times 2.70"$)
Weight (with base)	110.0 g (0.243 lb)
Compliance Standard	EN54-5, EN54-7

Installation



Ordering Information

Type	Model	Description
Conventional Multi-sensor Smoke and Heat Detector	DHI-HY-C135	Conventional Multi-sensor Smoke and Heat Detector

Dimensions (mm/inch)

