

DHI-HY-SA40A

Standalone Smoke Alarm



- Split-spectrum sensor technology
- Test and silence features in one single button, silenced by a working infrared remote controller
- Loud sound output over 85 dB(A) at 3 meters
- Low quiescent current consumption
- Surface-mount device (SMD) circuit board design
- Low battery warning signal
- Sealed lithium battery, easy installation



System Overview

Standalone Smoke Alarm (hereinafter referred to as the device) is designed to continuously monitor smoke concentration. Adopting new split-spectrum sensor and a built-in high-volume buzzer, it responds quickly and becomes highly sensitive with stable performance and low false alarm. Once the surrounding smoke concentration reaches the alarm value, it will promptly send out visual and audible alarm signal to remind the user to take immediate measures.

Scene

The device can be widely used in residential areas such as villas, apartments and dorms, including reading rooms, living rooms, bedrooms and hallways.

Technical Specification

Working Principle

Collection Type	Smoke
Sampling Period	9 s
Sensor Type	Photoelectric

Alarm

Alarm Type	Smoke alarm, fault warning, low battery warning
Alarm Volume	85dB (A) at 3 m (9.84 ft)
Alarm Mode	Visual and audible alarm
Silencing Function	Yes
Silence Duration	9 min
Infrared Silence	Yes

Technical Specification

Alarm Response Threshold	0.2dB/m-0.3dB/m
Basic Parameters	
Indicator Light	Alarm, fault and operation indicator
LED Instructions	Standby: Green indicator flashes once per minute Alarm: Red indicator flashes once per second Fault: Red indicator flashes twice per minute
Coverage Area	When the height of the space is less than 8 m (26.25 ft), the protection area of a device is 20 m ² -40 m ²
Power Supply	
Battery Life	10 years
Power Source	3V CR123A lithium battery (non-replaceable)
Operating Current	Monitoring current: ≤ 15uA (avg.) Alarm current: ≤ 35mA (avg.)
Operating Ambient	
Operating Environment	Indoor
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤ 95% RH (non condensing)
Appearance	
Color	White
Casing	PC+ABS
Dimensions	φ81.5 mm × H51.6 mm (φ3.21" × H2.03")
Weight	110 g (0.24 lb)
Installation	Ceiling Mount

Technical Specification

Certification

Certifications

ActivFire, CE, UKCA, RCM

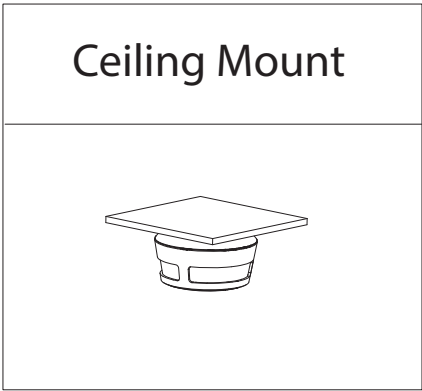
Compliance Standard

EN 14604:2005, AS 3786:2014

Ordering Information

Type	Part Number	Description
Smoke Alarm	DHI-HY-SA40A	Standalone Smoke Alarm (sealed lithium battery)

Installation



Dimensions (mm/inch)

