DHI-HY-SA2FA

WiFi Smoke Alarm

- Split-spectrum sensor technology
- Test and silence features in one single button
- Loud sound output over 85 dB(A) at 3 meters
- Surface-mount device (SMD) circuit board design
- Low battery warning signal
- Notifications can be sent to your mobile phones through wireless network

System Overview

WiFi 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, and you can receive a push notification.

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	Normal: 10 s Smoke alarm:1 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
Silence Function	Yes
Silence Duration	About 12 min
Alarm Response Threshold	0.2dB/m-0.3dB/m

Technical Specification

Basic Parameters	
Wireless Frequency	2.4 GHz
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 once per minute Low battery warning: Red indicator flashes once 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	2 years
Power Source	3V CR123A lithium battery (replaceable)
Operating Current	Monitoring current: ≤ 30uA Alarm current: ≤ 35mA
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	ϕ98 mm × H43.1 mm (ϕ3.85" × H1.70")
Weight	136 g (0.30 lb)
Installation	Ceiling Mount

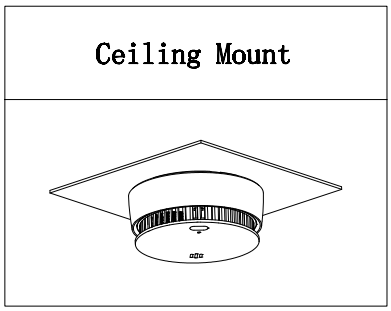
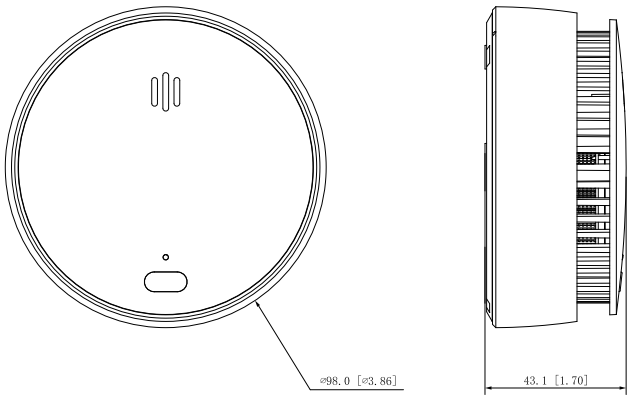
Technical Specification

Certification	
Certifications	TÜV, BOSEC, ActivFire, CE, RCM, PSTI
Compliance Standard	EN 14604:2005, AS 3786:2014

Ordering Information

Type	Part Number	Description
Smoke Alarm	DHI-HY-SA2FA	WiFi Smoke Alarm

Installation



Dimensions (mm/inch)