

# 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 <sup>2</sup> -40 m <sup>2</sup>

#### 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 and CE listed

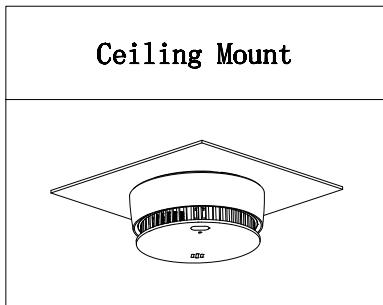
Compliance Standard

EN 14604:2005+AC:2008, EN 62311:2008,  
EN 50130-4:2011/A1:2014, AS/NZS  
4268:2017  
EN 300 328 V2.2.2, EN 301 489-1 V2.2.3 ,  
EN 301 489-17 V3.2.4

**Ordering Information**

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

**Installation**



**Dimensions (mm/inch)**

