

# DHI-HY-SA13A

## Standalone Smoke Alarm



- Test and silence features in one single button
- Low quiescent current consumption
- Loud sound output over 85 dB(A) at 3 meters
- Surface-mount device (SMD) circuit board design
- Low battery warning signal
- Replaceable battery, easy installation

### System Overview

Smoke Alarm (hereinafter referred to as the device) is designed to continuously monitor smoke concentration. Adopting advanced photoelectric chamber 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. This product is designed for household or similar residential application such as family home or apartment.

### 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	10 s
Sensor Type	Photoelectric
Alarm	
Alarm Type	Smoke alarm, fault warning, low battery warning
Alarm Response Threshold	0.1 dB/m-0.2 dB/m
Alarm Volume	≥ 85dB (A) at 3 m (9.84 ft)
Alarm Mode	Visual and audible alarm

### Technical Specification

Silencing Function	Yes
Silence Duration	9 min
Basic Parameters	
Indicator Light	Alarm, fault and operation indicator
Operation Summary	Standby: Red indicator flashes once per minute, buzzer keeps silence Alarm: Red indicator flashes once per second, buzzer beeps once per second Fault: Red indicator flashes twice per minute, buzzer beeps twice per minute Low battery: Red indicator flashes once per minute, buzzer beeps 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	
Operating Voltage	DC 3V
Operating Current	Monitoring current: ≤ 6 μA (avg.) Alarm current: ≤ 5 mA (avg.)
Battery Life	5 years
Battery	Replaceable 1.5V Alkaline dry cell battery * 2
Operating Ambient	
Operating Environment	Indoor
Operating Temperature	-10°C to +55°C (+14°F to +131°F)
Operating Humidity	≤95% RH (non condensing)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Appearance	

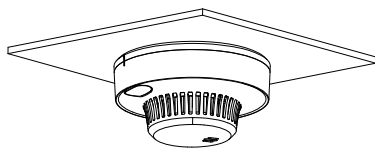
Color	White
Casing	PC+ABS
Dimensions	φ102.0 mm × H50.9 mm (φ4.02" × H2.00")
Weight	140 g (0.31 lb)
Installation	Ceiling Mount
Certification	
Certifications	TÜV and CE listed
Compliance Standard	EN 14604:2005+AC:2008

Ordering Information

Type	Model	Description
Smoke Alarm	DHI-HY-SA13A	Standalone Smoke Alarm

Installation

Ceiling mount



Dimensions (mm/inch)

