

DHI-HY-SA30A-R8-B

Wireless Interconnected Smoke Alarm



- Split-spectrum sensor technology
- Test and silence features in one single button
- 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
- Built-in battery, easy installation
- Silenced by a working infrared remote controller
- Wireless interconnected with maximum of 24 devices



System Overview

Wireless Interconnected 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. Moreover, the alarm signal will be pushed to every alarms in the interconnected network and they will raise the alarm in unison.

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 |
| Working Principle | Photoelectric |

Alarm

| | |
|--------------------|---|
| Alarm Type | Smoke alarm, fault alarm, low battery warning |
| Alarm Volume | 85dB (A) at 3 m (9.84 ft) |
| Alarm Mode | Visual and audible alarm |
| Silencing Function | Yes |

Technical Specification

| | |
|---------------------|-----------------|
| Silence Duration | 12 min |
| Infrared Silence | Yes |
| Pre-Set Alarm Value | 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 once per minute Low battery warning: Red indicator flashes once per minute |
| Operating Frequency | 868 MHz |
| Radio Signal Range | Up to 1000 m (3280.84 ft) in open air |
| Maximum Number of Interconnected Units | 24pcs |
| Coverage Area | When the height of the space is less than 8 m (3.28 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: ≤ 25mA (avg.) |

Operating Ambient

| | |
|-----------------------|----------------------------------|
| Operating Environment | Indoor |
| Operating Temperature | -10°C to +55°C (+14°F to +131°F) |
| Operating Humidity | ≤ 95% RH (non condensing) |

Technical Specification

Appearance

| | |
|--------------|---|
| Color | White |
| Casing | PC+ABS |
| Dimensions | $\phi 98 \text{ mm} \times \text{H}43.1 \text{ mm}$ ($\phi 3.85'' \times \text{H}1.70''$) |
| Weight | 138 g (0.30 lb) |
| Installation | Ceiling Mount |

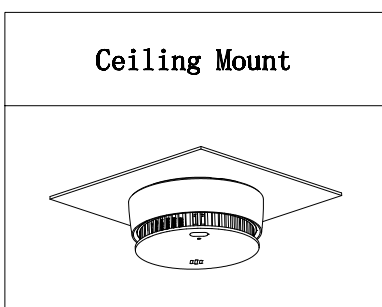
Certification

| | |
|---------------------|-----------------------|
| Certifications | TÜV and CE listed |
| Compliance Standard | EN 14604:2005+AC:2008 |

Ordering Information

| Type | Part Number | Description |
|-------------|-------------------|-------------------------------------|
| Smoke Alarm | DHI-HY-SA30A-R8-B | Wireless Interconnected Smoke Alarm |

Installation



Dimensions (mm/inch)

