

DHI-ARA13-W2

Wireless External Siren



Series Overview

When receiving alarm signals, the device can trigger sound and light alarms.

Technical Specification

Function

Indicator Light	1 × green alarm indicator 12 × alarm LED groups
Button	1 × power switch
Buzzer	1 × buzzer
Remote Update	Cloud update
Low Battery Detection	Yes
Tamper	Yes

Technical

Scenario	Outdoor/Indoor
Operating Current	1.4 A (Max), 92 uA (Standby) (Battery 3V); 1 A (Max), 7.3mA (Standby) (DC 12V)
Sound and Light Alarm	Light alarm and multiple alarm sounds, including fire, medical, intrusion, panic, and more.
Sound Pressure	Volume high: 110 dB(A) In anechoic chamber: Volume high: 95.2 dB(A) at 1 meter

Wireless

Carrier Frequency	433.1 MHz–434.6 MHz
Transmitter Power (EIRP)	Limit 10 mW
Communication Mechanism	Two-way
Communication Distance	Up to 1,200 m (3,937.01 ft) in an open space
Frequency Hopping	Yes

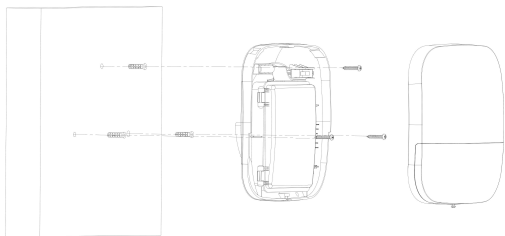
General

- Carrier frequency: 433 MHz
- Outdoor product (–20 °C to +65 °C).
- IP65 rated.
- 12 VDC and battery power supply.
- Multiple alarm sounds: Fire, medical, intrusion, panic, and more.
- Indicator lights: Red, yellow, and blue.
- Sound pressure level: 110 dB.
- Configurable settings on app.
- AES-128 encryption.
- Easy installation and quick network access.
- Signal strength detection.
- Low battery alarm.
- Case and wall tamper alarm.
- Frequency hopping and two-way communication.
- Cloud update and automatic recovery from update failure.

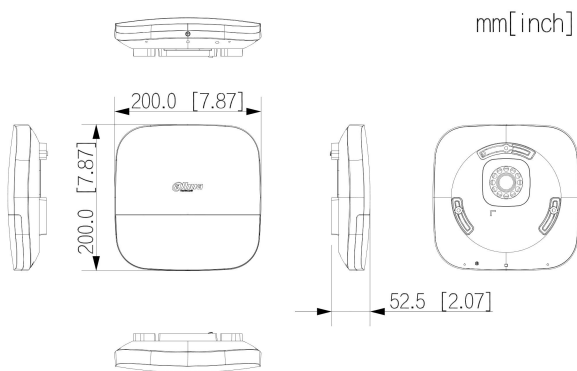
Power Supply	4 × CR123A battery/9-15 VDC
Power Supply Type	Type B
Battery Model	CR123A
Battery Life	4 CR123A batteries can be used for 3.4 years (if triggered fortnightly and the alarm sounds for 120 s each time with a battery efficiency of 80%)
Low Battery Threshold	2.8 VDC
Battery Restore Threshold	2.9 VDC
Power Consumption	4.2 W (Max), 0.3 mW (Standby) (Battery 3V); 12 W (Max), 87.6 mW (Standby) (DC 12V)
Operating Temperature	–25 °C to +60 °C (–13 °F to +140 °F)
Operating Humidity	10%–90% (RH)
Product Dimensions	200 mm × 200 mm × 52.5 mm (7.87" × 7.87" × 2.07") (L × W × H)
Net Weight	610 g (1.34 lb)
Gross Weight	920 g (2.03 lb)
Installation	Wall mount
Casing Material	PC + ABS
Protection	IP65
Certifications	CE;FCC
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.
Packaging Dimensions	255 mm × 239 mm × 64 mm (10.04" × 9.41" × 2.52") (L × W × H)

Ordering Information		
Type	Model	Description
Wireless External Siren	DHI-ARA13-W2	Wireless External Siren

Installation



Dimensions (mm[inch])



Application

