

# 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<br>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);<br>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)<br>In anechoic chamber:<br>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

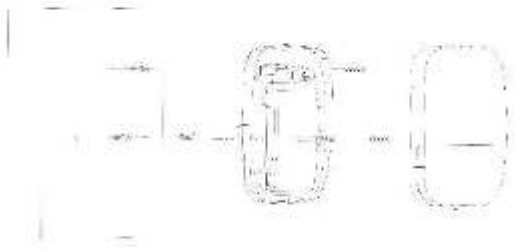
- Carrier frequency: 433 MHz
- Outdoor product (–20 °C to +65 °C).
- IP65 rated.
- 12 VDC and battery power supply.
- Multiple alarm sounds: Fire, medical, intrusion, panic, and more.
- Indicator lights: Red, yellow, and blue.
- Sound pressure level: 110 dB.
- Configurable settings on app.
- AES-128 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);<br>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<br>*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)                                                                                                 |

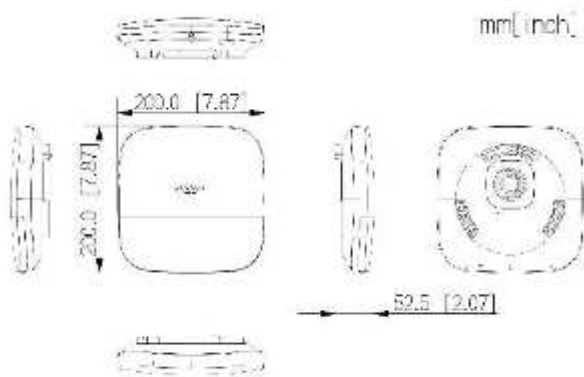
Ordering Information

| Type                    | Model        | Description             |
|-------------------------|--------------|-------------------------|
| Wireless External Siren | DHI-ARA13-W2 | Wireless External Siren |

Installation



Dimensions (mm[inch])



Application

