

HF-S2/HF-S2E **HIK FIRE**

Photoelectric Smoke Detector UD41268B

EN 14604:2005 Date of replacement: 10 years
 EN 14604:2005/AC:2008 Technical data, see DoP (<https://www.hikvision.com/en/support/download/declaration-of-conformity/>) No. HKF-2022001 held by the manufacturer

ENGLISH

Diagram References

1 Appearance

1. Buzzer 2. TEST/SILENCE Button 3. LED Indicator 4. Alarm Interface
 5. Battery Holder 6. Serial Port

Condition	LED Indicator	Buzzer
Standby	The red LED flashes every 60 seconds.	Off
Fire Alarm	The red LED is on.	Rapid beeps
Low Voltage	The red LED flashes every 40 seconds.	1 beep every 40 seconds
Maze Dirty	Every 40 seconds the red LED flashes rapidly for twice.	

Note: When the maze dirty alarm is triggered, contact the technical support.

2 Installation

Notification:

- Before installation, confirm that the detector and other mounting parts are in good condition.
 - Do not install the detector in new or renovated buildings until all work is completed. (Dust and debris from building work can contaminate the smoke chamber).
 - Install multiple detectors if the installation location (such as ceiling) is longer than 32.81 ft (10 meters).
- Where Not to Install:
- Damp and humid areas such as kitchen, hot water heater, and bathroom.
 - Forced air supply ducts for heating or cooling, ventilating fans, or other high air flow areas.
 - Dusty, dirty, or insect infested areas.
 - Hot and greasy areas such as stoves.
 - Where drapes and other objects will block the sensors.
 - Within 4.92 ft (1.5 meters) of fluorescent lights.
 - Dead air spaces such as apexes of ceilings, corners of the rooms.

2.1 Mounting Parts

1. Detector x 1 2. Mounting Base x 1
 3. Drill Template x 1 4. Battery x 2 (LR6 AA 1.5 V)

- HF-S2
 5. Junction Box x 1
 6. Screw Package x 2 (KA3.5 x 20)
 7. Screw Package x 1 (KA4 x 16)
- HF-S2E
 6. Screw Package x 1 (KA3.5 x 20)

2.2 Mounting Location

2.3 Installation Method

- ★ Ceiling Mounting without Junction Box
 ★ Ceiling Mounting with Junction Box (HF-S2 only)

3 Features

Fire Alarm

In standby mode, when the smoke particles in the smoke sensor reach a specified value, the detector enters the alarm mode.

Test

Verify that the buzzer and LED indicator are working properly.
 In standby mode, press the TEST/SILENCE button, the detector enters the test mode; after testing, it automatically resumes to the standby mode.
 Test Mode: The buzzer beeps for 5 times, and the red LED is on.

Mute

In alarm mode, press the TEST/SILENCE button to silence the detector.
 Mute Mode: The buzzer will stop beeping, and the red LED is on.
 Mute Period: After the detector is silenced, if the smoke concentration that caused the alert continues, the detector will reactivate in 8 minutes.

Reset

When the detector is in mute mode, press the TEST/SILENCE button, the detector resumes to the standby mode.
 In alarm mode, if the smoke dissipates and the smoke concentration falls below the specified value, the detector mode will be deactivated and the detector will automatically resume to the standby mode.

4 Check

Method

Bring lit cigarettes or smoke generating equipment close to the detector, so that the smoke enters the air inlet of the detector.

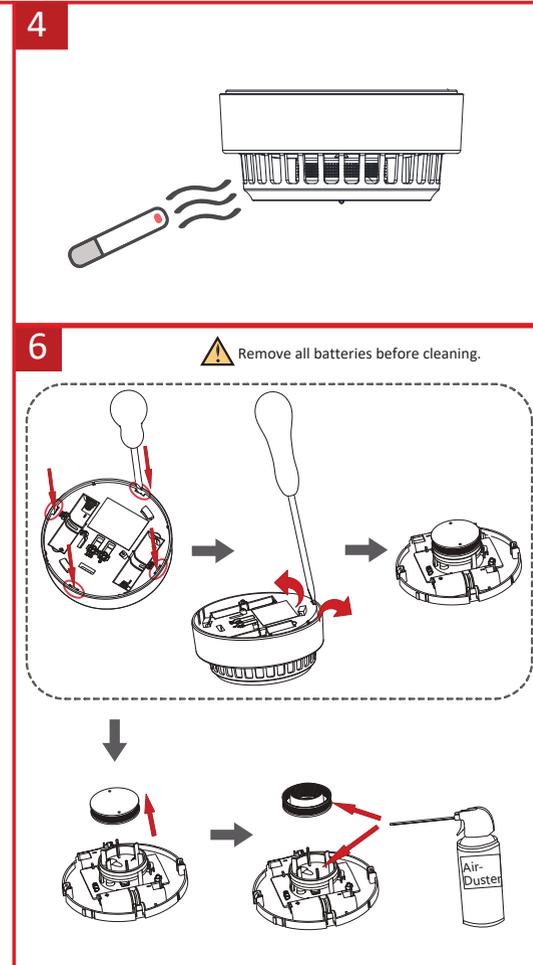
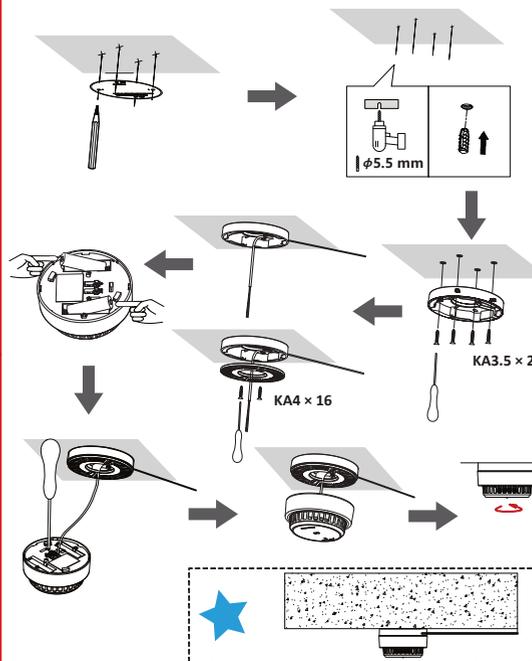
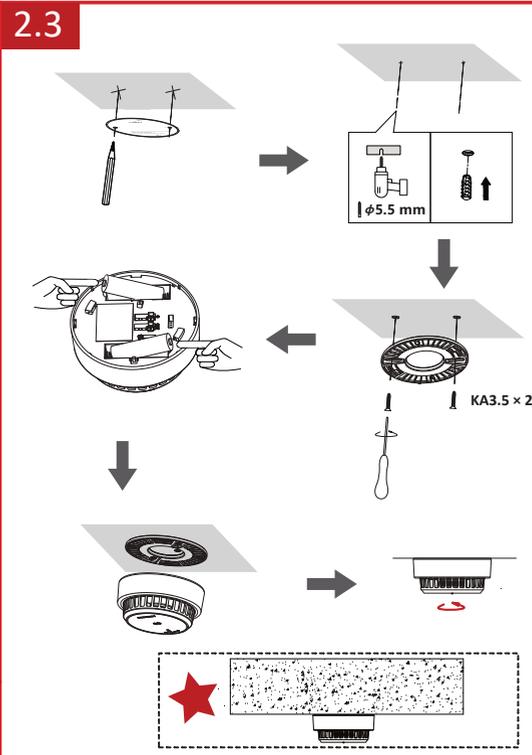
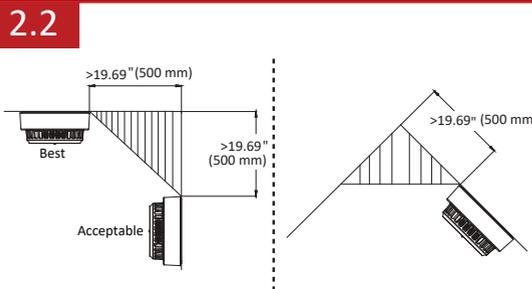
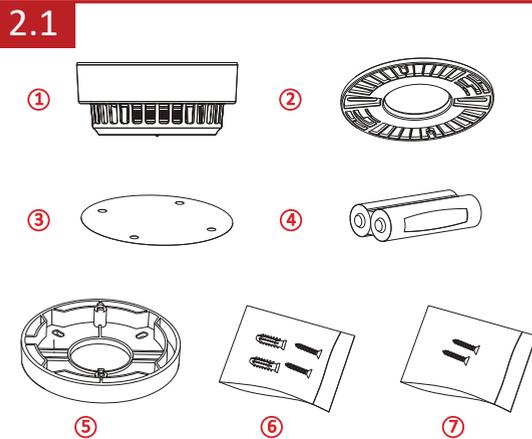
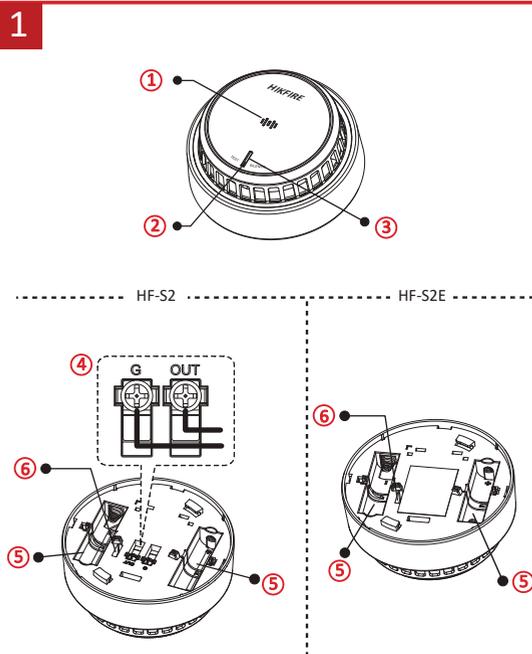
Result

After the smoke concentration reaches a specified concentration, the detector will be triggered. The red LED is on, and the buzzer will beep rapidly.

5 Maintenance

- To keep your detector in good order, please follow these steps:
- Verify the buzzer and indicator operation by pressing the TEST/SILENCE button once a week.
 - When the detector is in maze dirty state, using compressed air or a vacuum cleaner hose to clean the detector, and vacuum or blow air through the openings around the detector.
 - Never use alcohol, detergent or other chemical solvents to clean the detector.
 - Avoid spraying air fresheners, hair spray or other aerosols near the detector.

6 Cleaning



Model	HF-S2	HF-S2E
Approval	Complies with EN14604:2005, Complies with EN 14604:2005/AC:2008	
Smoke sensor	Photoelectric	
Alarm sound level	≥85 dB@3 m (for 1 minute) ≥82 dB@3 m (more than 4 minutes)	
Power supply	3 VDC	
Fault type	Maze dirty, low battery	
Alarm output	1-ch IO output	/
Standby current	4 μA MAX	
Alarm current	27 mA MAX	
Temperature	-10 °C to 55 °C (14 °F to 131 °F)	
Humidity	≤95% no condensing	
Dimensions (φ×H)	106 mm × 49.5 mm	
Weight	Without packaging:	Without packaging:
	112g±10g	112g±10g
With packaging:	265g±15g	220g±15g