

# HF-S2/HF-S2E

Photoelectric Smoke Detector UD29473B-A

**HIK FIRE**

EN 14604:2005  
EN 14604:2005/AC:2008

Date of replacement: 10 years  
Technical data: see DoP (<https://www.hikvision.com/europe/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 × 1 2. Mounting Base × 1  
3. Drill Template × 1  
4. Battery × 2 (LR6 AA 1.5 V)
5. Junction Box × 1  
6. Screw Package × 2 (KA3.5 × 20)  
7. Screw Package × 1 (KA4 × 16)
5. Junction Box × 1  
6. Screw Package × 1 (KA3.5 × 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

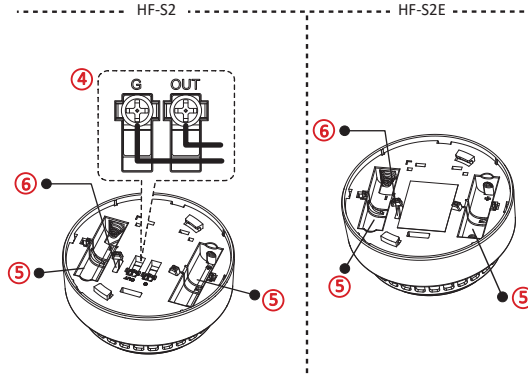
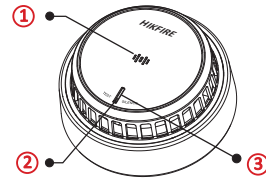
After the smoke concentration reaches a specified concentration, the detector will be triggered. The red LED is on, and the buzzer will beep rapidly.

#### 5 Maintenance

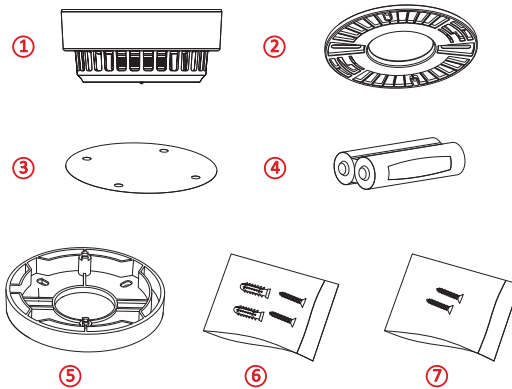
- To keep your detector in good order, please follow these steps:
- Verify the buzzer and indicator operation by pressing the TEST/SILENCE button once a week.
  - When the detector is in maze dirty state, using compressed air or a vacuum cleaner hose to clean the detector, and vacuum or blow air through 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

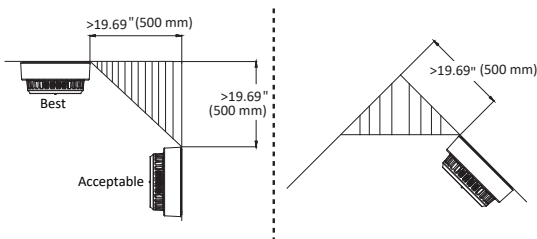
1



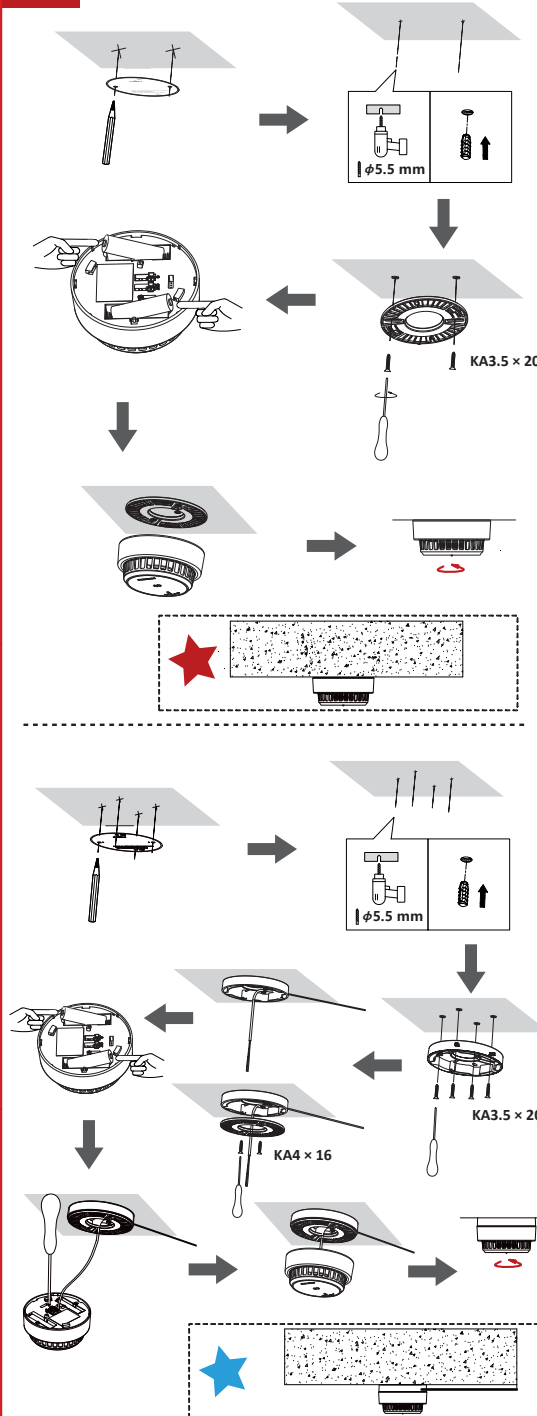
2.1



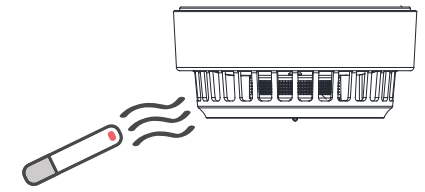
2.2



2.3

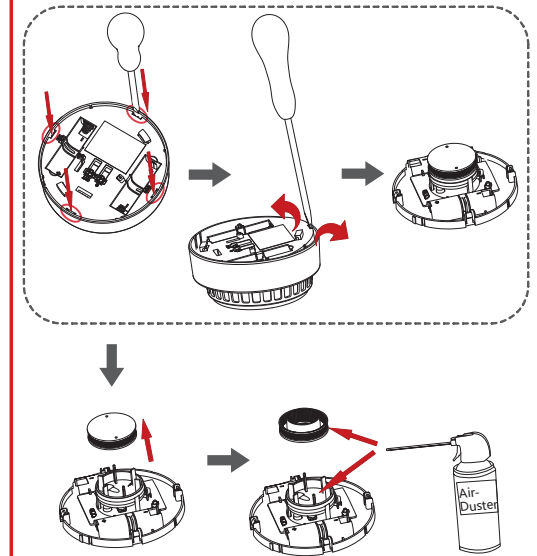


4



6

Remove all batteries before 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)<br>≥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:<br>112g±10g                                  | Without packaging:<br>112g±10g |
|                   | With packaging:<br>265g±15g                                     | With packaging:<br>220g±15g    |



## INSTALACE a VÝMĚNA BATERIE

Vložené baterie

Odrhnete izolaci baterie, nasadíte baterii do držáku ve a zasuňte ji do konce.

**Výměna baterie**

Vyměníte baterii z držáku za po 30 sekundách ji vyměníte ji za baterii LR6 AA 1.5 V zakoupenou u běžného výrobce. Otestujte správnou funkci detektoru pomocí tlačítka TEST/SILENCE po každé výměně baterie a nasazení detektoru zpět do držáku. Pokud detektor nepracuje správně, obraťte se na technickou podporu.

 **1. UPOZORNĚNÍ:** Při výměně baterie za nesprávný typ hrozí nebezpečí výbuchu.

**2.** Vyměníte-li baterii za nesprávný typ, může dojít k poškození bezpečnostního prvku (například v případě některých typů lithiových baterií).

**3.** Baterii nevazujte do ohně, nevkládejte do horké trouby, mechanicky ji nedrťte ani neřízejte. Může by dojít k výbuchu.

**4.** Neznechávejte baterii v prostředí s extrémně vysokou teplotou, protože by mohlo dojít k výbuchu nebo úniku hořlavé kapaliny nebo plynu.

**5.** Nevystavujte baterii extrémně nízkému tlaku vzduchu, protože by mohlo dojít k výbuchu nebo úniku hořlavé kapaliny nebo plynu.

**6.** Použité baterie zlikvidujte podle pokynů.

 **7.** označuje samotný držák baterie a umístění článků uvnitř držáku baterie.

**8.** + označuje kladnou svorku zařízení, která se používá se stejnosměrným proudem (je generuje). - označuje zápornou svorku zařízení, která se používá se stejnosměrným proudem (nemá jej generuje).





