

STANDALONE SMOKE DETECTOR EST-D611

EST

General Description

The detector is a photo-detector that uses the most advanced optical sensing chamber. It is designed to provide open area protection without wiring, and it is easy to install and construct.

The red indicator on the detector can provide visibility alarm in all directions. It flashes once every minute, indicating that the detector is working. When a fire alarm occurs, the indicator will be continuously lit until the smoke concentration is lower than the alarm threshold. When the battery is under low voltage, the indicator will flash and the buzzer will beep.

The test button is used to test whether the detector works normally. Each time the button is pressed, the buzzer emits a beep, the red indicator flashes. And the button can be used for local mute during a fire.



1. Product characteristics

- 1.1 Surface mounting
- 1.2 Loud sound warning
- 1.3 LED indicator
- 1.4 No wire connection(easy to install)
- 1.5 Automatic alarm for low battery voltage
- 1.6 Compatible with the latest EN-14604 standards

2. Technical parameters

- | | |
|------------------------------|-------------------------------------------------------------------------------------------------|
| 2.1 Operating voltage: | 9VDC(with battery 6F22) |
| 2.2 Operating current: | Monitoring status $\leq 8\mu\text{A}$, alarm status $\leq 20\text{mA}$ |
| 2.3 Operating temperature: | $-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$, Relative humidity: $\leq 95\%$ (non-condensing) |
| 2.4 Protection class: | IP20 |
| 2.5 Application: | For indoor use only |
| 2.6 Smoke Alarm Sensitivity: | 0.18 to 0.26 dBm |
| 2.7 Alarm Level: | $\geq 85\text{dB}@3\text{m}$ and $\geq 93\text{dB}@1\text{m}$ |
| 2.8 Materials and colors: | ABS, white |
| 2.9 Size: | 105mm*105mm*43mm |
| 2.10 Weight: | About 130g |

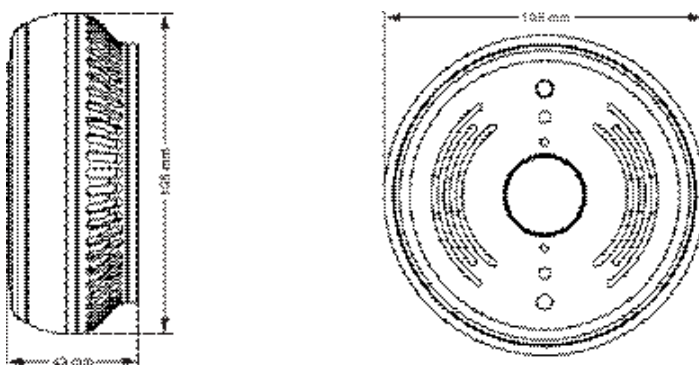


Figure 1. Dimensions

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SMOKE DETECTOR EST-SD101

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3. Mounting

EST-D611 standalone smoke detector should comply with all local codes. Shown in Figure 2, first fix the base on the ceiling, then align the detector with the installation position of the base, and rotate it to the base.

The base dimensions of 114mm*114mm*7.2mm (Length*Width*Height), mounting hole diameter 4.5mm, fixing the hole spacing is 42mm, shown in Figure 3.

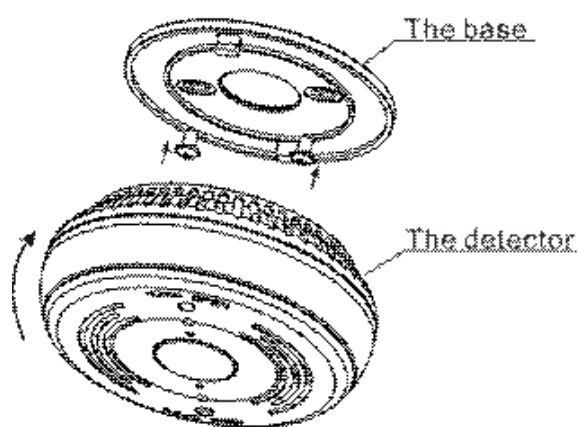


Figure 2. Mounting

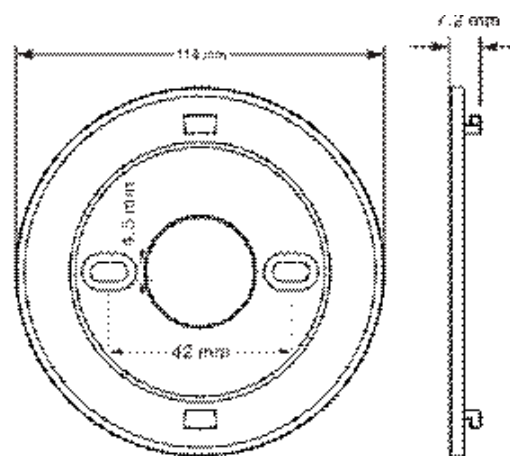


Figure 3. Dimensions of the base

4. Operation

Test: First, press the test button to test whether the detector works normally. And then use the smoke detector tester to simulate a fire and check whether the detector can trigger a fire alarm.

Silence: When the detector triggers a fire alarm, the buzzer will sound and the red indicator light will light up. The detector can be silenced by pressing the button.

Battery Replacement: Take off the cover of the detector, and then replace the battery in the detector shown in Figure 4.

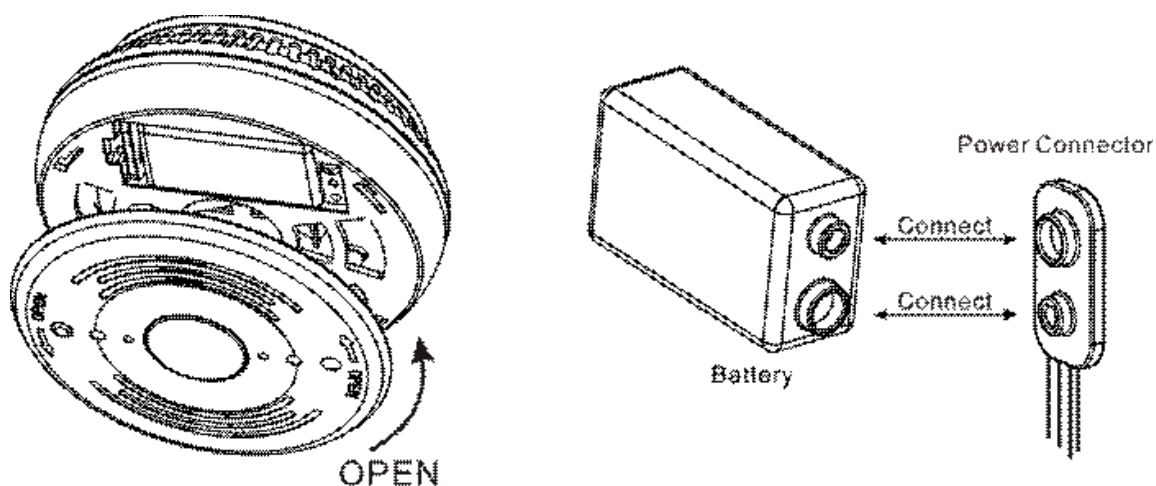


Figure 4. Battery replacement

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