LED Indicator
Test/Silence Button
Fire-Resistant ABS Material
Loud >85 dB Alarm Horn
10-Year Lithium Battery
Photoelectric Sensor
Fire-Resistant ABS Material

# Photoelectric Smoke Alarm
## SD2K0AX

### Technical Specifications

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|---|---|
| **Safety Standards** | EN 14604 |
| **Sensor Type** | Photoelectric |
| **Operating Voltage** | 3 V DC |
| **Battery Type** | 3 V lithium battery (EVE CR17335) |
| **Standby Current** | < 6 μA (The average standby current is no higher than 6 uA during the 30-minute test by using UT181A.) |
| **Alarm Current** | < 30 mA |
| **Audibility Level** | ≥ 85 dB at 3 m |
| **Operating Ambient Temperature** | 0-55 ℃ |
| **Operating Relative Humidity** | < 95% RH (non-condensing) |

## Working Modes

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| **Alarm Indication** | Red LED flashes with the alarm sounding repeatedly. |
| **Standby Mode** | Red LED flashes every 60 seconds. |
| **Malfunction Warning** | Red LED flashes with 2 beeps every 40 seconds. |
| **Silence Duration** | Approx. 9 minutes |
| **Silence Indication** | Red LED flashes every 5 seconds without beeps. |
| **Low Battery Warning** | Low Battery Voltage Range: 2.6 ± 0.05 V DC<br>Red LED flashes with 1 beep every 60 seconds. |
| **Sounder Output Pattern When the Alarm is Triggered** | a = 0.5 seconds ± 10%,<br>b = 0.5 seconds ± 10%,<br>c = 1.5 seconds ± 10%,<br>The total cycle lasts for 4 seconds ± 10% and its sound frequency is 3.2 ± 0.3 kHz. |



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| **Test Button** | Test Mode: Press the test button, red LED flashes every 0.5 seconds and the alarm beeps 3 times with the sounder output pattern (0.5 seconds ± 10%, off 0.5 seconds ± 10% and on 0.5 seconds ± 10%). Otherwise, it's in malfunction. |
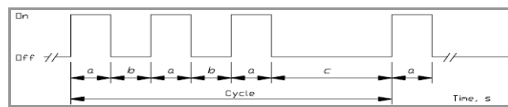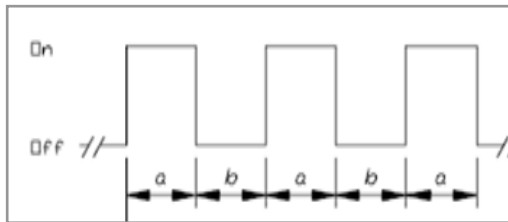


## Smoke Sensitivity

| | Test Direction | Air Speed | Smoke Test Box | Sensitivity |
|---|---|---|---|---|
| **Smoke Sensitivity** | 0° from the LED | 0.20 m/s | AWT1100 | 0.095 dB/m-0.155 dB/m |
| | | | | Air flow → ⊙ ≡ |