

# PRODUCT SPECIFICATIONS

Doc. No. SD25

**X-SENSE®**  
Ultimate Safety Experts



## Mini Photoelectric Smoke Alarm

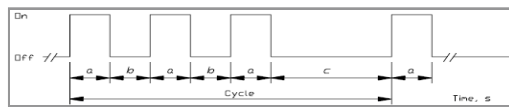
SD25

### Technical Specifications

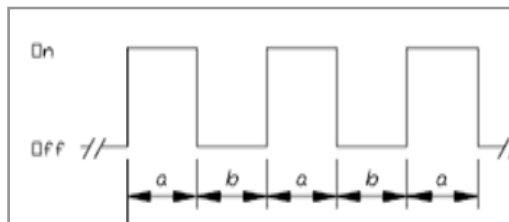
<b>Safety Standards</b>	EN 14604
<b>Sensor Type</b>	Photoelectric
<b>Operating Voltage</b>	3 V DC
<b>Battery Type</b>	3 V lithium battery (EVE CR17335)
<b>Standby Current</b>	< 6 $\mu$ A (The average standby current is no higher than 6 $\mu$ A during the 30-minute test by using UT181A.)
<b>Alarm Current</b>	< 30 mA
<b>Audibility Level</b>	$\geq$ 85 dB at 3 m
<b>Operating Ambient Temperature</b>	32 to 131 °F (0 to 55 °C)
<b>Operating Relative Humidity</b>	< 95% RH (non-condensing)

## Working Modes

<b>Alarm Indication</b>	Red LED flashes with the alarm sounding repeatedly.
<b>Standby Mode</b>	Red LED flashes every 60 seconds.
<b>Malfunction Warning</b>	Red LED flashes with 2 beeps every 40 seconds.
<b>Silence Duration</b>	Approx. 9 minutes
<b>Silence Indication</b>	Red LED flashes every 5 seconds without beeps.
<b>Low Battery Warning</b>	<ul style="list-style-type: none"> <li>Low Battery Voltage Range: <math>2.6 \pm 0.05</math> V DC</li> <li>Red LED flashes with 1 beep every 60 seconds.</li> </ul>
<b>Sounder Output Pattern When the Alarm is Triggered</b>	<p> <math>a = 0.5</math> seconds <math>\pm 10\%</math>,  <math>b = 0.5</math> seconds <math>\pm 10\%</math>,  <math>c = 1.5</math> seconds <math>\pm 10\%</math>,                      The total cycle lasts for 4 seconds <math>\pm 10\%</math> and its sound frequency is <math>3.2 \pm 0.3</math> kHz.                 </p>



<b>Test Button</b>	<p>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 <math>\pm 10\%</math>, off 0.5 seconds <math>\pm 10\%</math> and on 0.5 seconds <math>\pm 10\%</math>). Otherwise, it's in malfunction.</p>
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## Smoke Sensitivity

	Test Direction	Air Flow	Smoke Test Box	Sensitivity
Smoke Sensitivity	0° from the LED	0.20 m/s	AWT1100	0.095 dB/m-0.155 dB/m

## Others

Optional Functions	RF (433 MHz/868 MHz)
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