

# PRODUCT SPECIFICATIONS

Doc. No. XS01

**X-SENSE®**  
Ultimate Safety Expert



## Photoelectric Smoke Alarm

XS01

### Technical Specifications

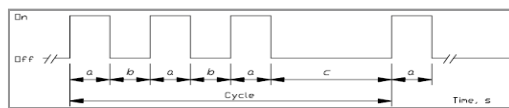
<b>Safety Standard</b>	EN 14604
<b>Sensor Type</b>	Photoelectric
<b>Operating Voltage</b>	3 V DC
<b>Battery Type</b>	CR123A
<b>Standby Current</b>	< 6 $\mu$ A (average)
<b>Alarm Current</b>	< 60 mA
<b>Audibility Level</b>	$\geq$ 85 dB at 3 m
<b>Operating Ambient Temperature</b>	0 to 55 °C (32 to 131 °F)
<b>Operating Relative Humidity</b>	$\leq$ 85% RH (non-condensing)
<b>Product Life</b>	10 years



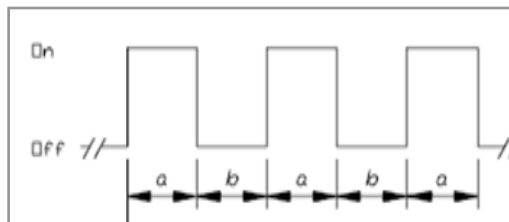
CE RoHS

## 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>	Red LED flashes with 1 beep every 60 seconds.
<b>Sounder Output Pattern When the Alarm Is Triggered</b>	<p>a = 0.5 seconds ± 10%,                      b = 0.5 seconds ± 10%,                      c = 1.5 seconds ± 10%.                      The total cycle lasts for 4 seconds ± 10% and its sound frequency is 3.2 ± 0.3 kHz.</p>



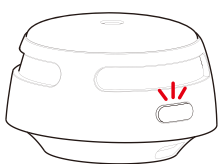
<b>Test Button</b>	<p>Test Mode: Press the test button, red LED flashes every 0.5 seconds and the alarm beeps 3 times with the sounder output pattern (0.5 seconds ± 10%, off 0.5 seconds ± 10% and on 0.5 seconds ± 10%). Otherwise, it's in malfunction.</p>
--------------------	---



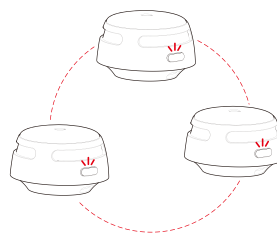
## Smoke Sensitivity

Smoke Sensitivity	Test Direction	Air Flow	Smoke Test Box	Sensitivity
	0° from the LED	0.20 m/s	AWT1100	0.120-0.155 db/m

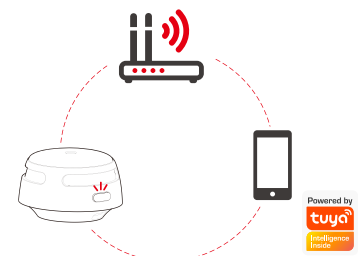
## Available Options in Series



XS01 Photoelectric Smoke Alarm



XS01-W Wireless Interlinked Smoke Alarm (868 MHz)



XS01-WT Wi-Fi Smoke Alarm (Tuya Smart)