PRODUCT SPECIFICATIONS

Doc. No. SD12-PD01

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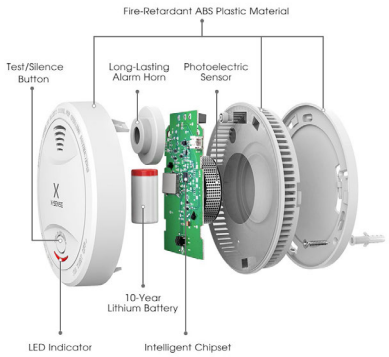

Photoelectric Smoke Alarm

SD12

Technical Specifications

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	32 to131 °F (0 to 55 °C)
Operating Relative Humidity	< 95% RH (non-condensing)

CE 1008 RoHS

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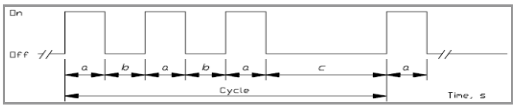
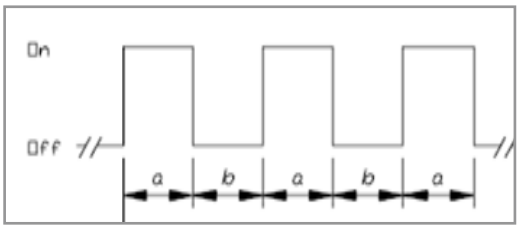
Working Modes

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 • Red LED flashes with 1 beep every 60 seconds.
Sounder Output Pattern When the Alarm is Triggered	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. 
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 Flow	Smoke Test Box	Sensitivity
Smoke Sensitivity	0° from the LED	0.20 m/s	AWT1100	0.095 dB/m-0.155 dB/m