PRODUCT SPECIFICATIONS

Doc. No. SD11-PD01









Photoelectric Smoke Alarm

SD11

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 μ A (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)		



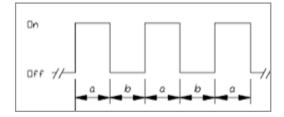


Working Modes

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 \pm 10%, b = 0.5 seconds \pm 10%, c = 1.5 seconds \pm 10%, The total cycle lasts for 4 seconds \pm 10% and its sound frequency is 3.2 \pm 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 \pm 10%, off 0.5 seconds \pm 10% and on 0.5 seconds \pm 10%). Otherwise, it's in malfunction.



Smoke Sensitivity

Smoke Sensitivity	Test Direction	Air Speed	Smoke Test Box	Sensitivity
	0° from the LED	0.20 m/s	AWT1100	0.095 dB/m-0.155 dB/m
				$\boxed{\text{Air flow}} \longrightarrow \boxed{\text{O}} \bowtie \emptyset$