Escape Light
LED Indicator
TEST/SILENCE Button
Alarm Horn

LED Indicator · LED Escape Light · Intelligent Chipset · Photoelectric Sensor

LED Escape Light

10-Year Lithium Battery · Alarm Horn (≥ 85 dB) · Corrosion-resistant ABS Material

Photoelectric Smoke Alarm with Escape Light
SD01

Technical Specifications
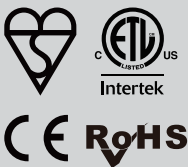
Safety Standards	EN 14604:2005, UL 217, ULC S531
Sensor Type	Photoelectric smoke sensor
Operating Life	10 years
Power Source	3 V CR123A lithium battery (non-replaceable)
Alarm Sound Level	≥ 85 dB at 3 m (10 ft)
Operating Temperature	4–38°C (40–100°F)
Operating Relative Humidity	≤ 85% RH (non-condensing)
Silence Duration	Approx. 9 minutes
Indicator Light	LED (red/yellow/green)
Product Weight	284 g (0.63 lb)
Product Dimensions	146 × 146 × 51 mm (5.7 × 5.7 × 2.0 inches)
Package Contents	1 × Alarm Unit + 1 × Mounting Bracket + 3 × Screws + 3 × Anchor Plugs + 1 × User Manual

Working Modes

Powering On	After the unit is fully mounted into the mounting bracket, it will automatically turn on. The LED indicator will blink 8 cycles (yellow/green/red) in sequence. Afterwards, the LED indicator will turn off, and the unit will enter the standby mode.
Standby Mode	The LED indicator will flash green once every 60 seconds.
Alarm Mode	3 long beeps every 1.5 seconds. The LED indicator will flash red with the alarm sound.
Exiting an Alarm	When the smoke concentration drops below the alarm threshold, the alarm signal stops, the LED indicator will continuously flash green once per second for 5 seconds and then enter the standby mode.
Test Button	• The escape light will flash once for 1 second. • Once the alarm is in test mode, the alarm will deliver 2 sets of 3 long beeps, to indicate the alarm is operating normally. The LED indicator will flash red with the alarm sound. • To silence the unit during an alarm. • To test the unit's electronics and check the alarm function.
Silence Function	During the silence mode, the LED indicator will flash red once every 5 seconds. If you press the Test/Silence button during a smoke alarm, the alarm will be terminated. If the smoke density still exceeds the alarm threshold, the unit will deliver an alarm within 9 minutes.
Low Battery Warning	The LED indicator will flash yellow together with 1 beep every 60 seconds.
Malfunction Warning	The alarm will deliver 2 beeps approximately every 40 seconds and the LED indicator will flash yellow 1-4 times.
End of Life	Once the maximum lifetime (10 years) is reached, the alarm will deliver 2 beeps and the LED indicator will flash yellow twice every 30 seconds. This end-of-life signal can be temporarily silenced for 3 days by pressing the test button. The end-of-life silence feature can only be used for a total of 30 days. After 30 days, the end-of-life signal cannot be silenced.