

SND-500 DC SMOKE ALARM



DESCRIPTION

SND-500 DC smoke alarms provide battery powered smoke detection and alarm functions within a single unit.

Advanced electronics in conjunction with a photoelectric smoke sensing chamber provide early detection of fire and high immunity against unwanted alarms. The SND-500 is interconnectable with either a wired or wireless transmission path.

SND-500 DC smoke alarms are battery powered, do not require a mains supply, and are suitable for general residential applications.

The SND-500 DC smoke alarm range provides home owners and installers with an easy-to-install, economical solution for life safety and property protection applications.

Smoke alarm for residential applications.

COMPLIANCE

SND-500 DC smoke alarms have the following compliance.

	EN 14604 ^a	CE
SND-500-S	✓	✓
SND-500-SI	✓	✓
SND-500-SW	-	✓

^a EN 14604 Smoke alarm device

REF: DDSND5_102021_REVO

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FEATURES

- Photoelectric smoke sensing chamber technology.
- Integrated indicator provides visual indication of an alarm condition.
- Test and Hush features in a single button.
- Loud 85 dB sounder to alert occupants.
- Surface-mount device (SMD) circuit board design.
- Single DC 9 V user-replaceable battery provides up to 18 months operation under normal conditions.
- 30-day low battery warning signal.
- Up to 38 units interconnectable using the wired transmission path.
- No limit for interconnectable units using the wireless transmission path.
- Battery missing indicator prevents the unit from being installed without the battery fitted.
- Attractive housing design.
- Easy installation.
- Low maintenance.

Specification	SND-500-S	SND-500-SI	SND-500-SW
Power source	DC 9 V		
Quiescent	7 μ A		16 μ A
Quiescent condition indicator	Flashing red LED every 32 s		
Alarm current	15 mA		30 mA
Alarm response threshold	(0.08 ~ 0.15) dB/m		
Visual alarm indicator	Flashing red LED		
Audible alarm sounder output	\geq 85 dB @ 3 m		
Low battery signal	Audible signal every 32 s for 30 days		
Hush time	8 min		
Hush indicator	Flashing red LED every 8 s		
Wireless radio interconnection operating frequencies	-		433 MHz, 868 MHz, 915 MHz
Number of interconnected devices	-	38	No limit
Maximum distance between interconnected devices	-	400 m	500 m ^a
Battery life expectancy (normal conditions)	18 months		12 months
Operating temperature	(0 ~ +50) °C		
Operating humidity	(10 ~ 90) % RH, non-condensing		
Storage temperature	(-25 ~ +80) °C		
Storage humidity	(0 ~ 98) % RH, non-condensing		
Dimensions	\varnothing 100 mm x 31 mm		
^a Free-air distance. The maximum distance will be reduced when walls and other structures are interposed between devices.			
Battery	Carbon-zinc battery	Carbon-zinc battery	Alkaline Battery
Interconnect	-	Wired interconnect	Wireless interconnect

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