



Description:

Smoke is not just a threat to workplaces. Residential homes using heat appliances are equally at risk, thus, it is very dangerous due to the lack of awareness in how to detect and prevent fire smoke. Just like gas leak alarms, adequate smoke detection solutions should be employed in all homes.

The Nietzsche's SG-01-SK smoke detector is susceptible to the threat of fire smoke offering reliable protection for all domestic environments. Whenever the smoke has reached alert level, the unit starts to flash alarm, sound alarm, and wirelessly signals to control center for real-time rescue action.

This is designed specially for residential, commercial and any places that fire event could happen. We hope you will never face that situation, but it is better to have something to ensure life safety to get peace of mind.

Specifications		
Detecting Substance	Fire smoke particles	
Detecting technology	Photoelectric detection	
Sensitivity	Compliant to local government law in fire and safety	
Power Supply	3V DC battery (CR123A)	
Sound of Alarm	80 dB and above with human voice alarm indication	
LED Indication	As table on the right side	
Ambient Temperature	0 ~ +50 °C / +32 ~ +122 °F	
Material	UL 94_V0 fire protection material	
Dimensions	(D) 100 mm X (H) 40 mm (including fixture)	
Weight	117 g (with battery); battery: 15.6 g	
Color	White	
Effective Alert Area	Room Height	Area Covered
	Under 4 meters	150 sqm
	4 ~ 20 meters	75 sqm
RF Communication	Wireless ZigBee	
RF Protocol	ZigBee Standard Home Automation Profile	
RF Band	2.40 ~ 2.48 GHz	
RF Check Alive	Every 30 seconds (adjustable)	
RF Transmit Distance	50 meters (open space)	

Features & Benefits







- Stylish design with pearl-white color suited to apply in any residential apartment, building, house, hotel, hostel, retreat center, senior care and assisting living center, hospital, warehouse, retail store, movie theater, stadium, school, transportation stations, museum, factory, office and studio...etc.
- Wireless connectivity via ZigBee global wireless standard makes it easy to interoperate with ZigBee-enable gateway to form a net of security and remote alert implementation.
- Centered-design of smoke chamber allows it to sense smoke omni-directionally without blind angles to get the effective detection and safety.
- Human voice alert with decibel siren together with flashing LED make it super easy to be aware when event occurs.
- Wireless connectivity quality report regularly between detector and receiver for maximum security.
- Detector has passed stringent tests as listed in description, which proves to excel in detecting true fire smoke and greatly eliminates false alarms caused by interference from nearby sources.
- Simple test method: Press test button to hear the human confirmation voice, the user will know the detector is in normal.
- Easy installation: Install directly to proper location without any wiring. The invisible connectivity has been built up for your safety.

Indication

Status	Indicator	
	Sound	LED
Power on	Beep	Flash 3 times
Test	"Operations: Normal"	Flash 5 times
Standby/Normal	No	Flash once every 3 minutes
Alarm	"Danger! Evacuate!"	Flash continuously
Battery low	Beep once per minute	---
Malfunction detect	Beep twice per minute	Flash 2 times

Application

Suggested Area

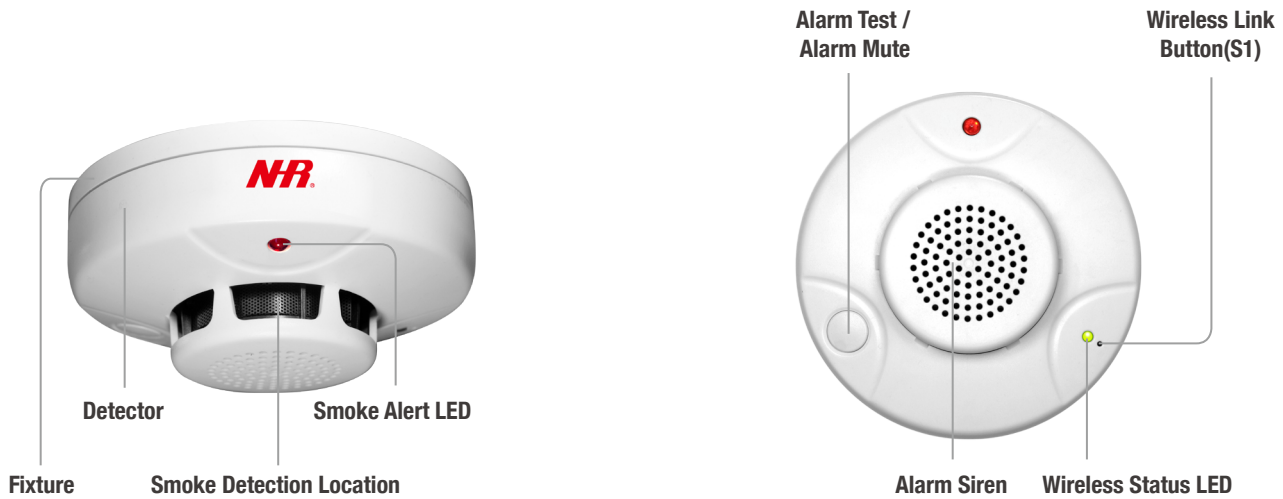







Suggested Detection

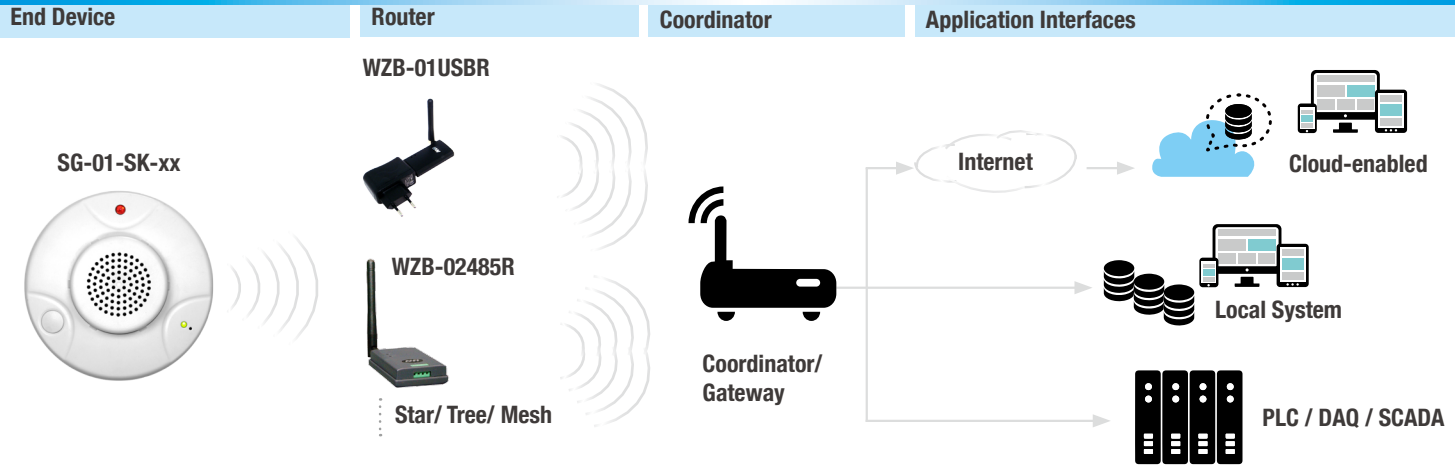
Photoelectric Fire Smoke Detection

Thermal Detection

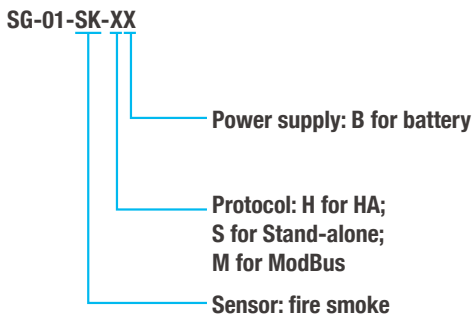
Detector Outlook Introduction



System Configuration



Ordering rules and codes



Ordering codes

Ordering codes	Description
SG-01-SK-HB	ZigBee smoke detector with battery with ZHA profile
SG-01-SK-MB	ZigBee smoke detector with battery with ModBus profile
SG-01-SK-SB	Stand-alone smoke detector with battery
WZB-01USBC	ZigBee USB Dongle
WZB-05ET	ZigBee ethernet gateway (Supports DHCP)
G07	SentrolCloud controller gateway for ethernet/ 3G/ Wi-Fi
WZB-01USBR	ZigBee repeater/router - AC universal adaptor power supply
WZB-02485R	ZigBee repeater/router - DC 9 ~ 24 power supply