

Mini-SD-ZBS Multi Featured Mini Smoke Detector

Protecting What Matters Most



- Mini-sized with multi-functions
- Reflective photoelectric sensor
- Built-in Temperature Sensor (optional)
- Built-in PIR Motion Sensor (optional)
- Built-in Emergency Light (optional)
- Serial Connection capability (optional)

Multi-featured, mini-sized, wireless ZigBee smoke detector with powerful functions, the Mini-SD-ZBS series is designed to protect your family against potential fire hazards, and build a more comfortable lifestyle. This series was crafted from the belief that sensor should have multiple functions and abilities, thus a unique feature of Mini-SD-ZBS is the optional built-in PIR motion sensor, temperature sensor, emergency light, and/or serial connection capability. With its small and streamlined design, it will be a seamless addition to your home décor and give you peace of mind.

Mini-SD-M-ZBS optional built-in PIR motion sensor detects movements to create custom scenes to light up the hallway in the middle of the night or help users save energy. Mini-SD-T-ZBS optional built-in temperature sensor reports temperature and notifies users when there is a sudden fluctuation of temperature. The Mini-SD-TME-ZBS optional built-in emergency light can further provide visual alarm alerts and notifications.

The Multi Featured Mini Smoke Detector series is compatible with other manufacturer's ZigBee systems and can be flexibly integrated into new or existing ZigBee system, providing protection against potential fire and heat danger.

Mini-SD-ZBS Multi Featured Mini Smoke Detector Series

Features

- Reflective photoelectric sensor to detect smoke from any source
- Rate-of-rise detection when temperature rises by 8.25°C per minute, or high heat detection when temperature exceeds 57.25°C
- Siren output level is 85dB at 3 meter
- Auto-calibration to readjust its detection threshold value
- LED status indicators for visual notification
- Test button for self-tests/diagnoses
- Regular supervision signals to check system integrity
- Excellent stability with high sensitivity
- Lightweight and flexible to install
- Low battery detection
- Built-in temperature sensor to measure environment temperature (optional)
- Built-in PIR motion sensor detects movements and supports custom scene creation (optional)
- Over-The-Air (OTA) firmware update capability (optional)
- Serial Connection capability (optional)
- Built-in Emergency light to provide visual alarm alerts and notification (optional)
- Built-in temperature sensor transmits notification when the temperature changes by +/- 2°C degrees (optional)
- Suitable for residential and commercial security applications
- Compatible with other manufacturers' ZigBee systems
- EN14604 and UL217 certified

Specifications

Communication Protocol	ZigBee Pro Home Automation 1.2
Frequency	2.4 GHz
Power Source	3V, CR123 Lithium battery x1
Battery Life	Mini-SD-T-ZBS: 5.8 years* Mini-SD-M-ZBS: 5.8 years* Mini-SD-TM-ZBS: 4.5 years* Mini-SD-TM-ZBS(OTA): 3.5 years* Mini-SD-TM-SC-ZBS: 2 years* Mini-SD-TM-SC-ZBS(OTA): 1.6 years* Mini-SD-TME-SC-ZBS: 3.2 years*
Temperature Detection Range	-10°C to 50°C (14°F to 122°F) (Mini-SD-T & Mini-SD-TM series only)
Temperature Sensitivity	±1°C (±1.8°F)
Motion Detection Range	Up to 10m x 5.5m oval coverage pattern (at 3m mounting height) (Mini-SD-M & Mini-SD-TM series only)
Siren Output	85 dB at 3m
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	80 mm x 80 mm x 34 mm

* Note: Actual battery life may vary with product settings, operating environment and usage.

Mini-SD-ZBS Multi Featured Mini Smoke Detector Series

Ordering Information

Mini-SD-T-ZBS	Multi Featured Mini Smoke Detector with Temperature Sensor
Mini-SD-M-ZBS	Multi Featured Mini Smoke Detector with PIR Motion Sensor
Mini-SD-TM-ZBS	Multi Featured Mini Smoke Detector with Temperature and PIR Motion Sensor
Mini-SD-TM-ZBS(OTA)	Multi Featured Mini Smoke Detector with Temperature, PIR Motion Sensor and Over-The-Air firmware update
Mini-SD-TM-SC-ZBS	Multi Featured Mini Smoke Detector with Temperature, PIR Motion Sensor and Serial Connection capability
Mini-SD-TM-SC-ZBS(OTA)	Multi Featured Mini Smoke Detector with Temperature, PIR Motion Sensor, Serial Connection capability and Over-The-Air firmware update
Mini-SD-TME-ZBS	Multi Featured Mini Smoke Detector with Temperature, PIR Motion Sensor and Emergency Light