

SD-29H-NB-LTE-M Smoke Detector

Protecting What Matters Most

LTE-M  **NB-IoT** 



- Multi-functional Smoke/Heat Detector
- Reflective photoelectric sensor
- Auto-Calibration

SD-29H-NB-LTE-M is designed to protect you and your properties against potential fire hazards. Utilizing the latest reflective photoelectric sensor and advanced microprocessor, SD-29H-NB-LTE-M delivers optimum performance in detecting fire and rate-of-rise heat detection. SD-29H-NB-LTE-M can incorporate NB-IoT / LTE-M technology and send status or alarm signals to the system server via NB-IoT / LTE-M network, offering users system deployment flexibility.

SD-29H-NB-LTE-M is protected by a tamper switch, preventing sabotage or unauthorized removal. The system integrity is ensured by its regular supervision. With its small and streamlined design, it will be a seamless addition to your home décor and give you peace of mind. When it comes to safety, there is no room for compromise.

Features

- Reflective photoelectric sensor to detect smoke from any source, especially smoldering fires
- Rate-of-rise heat detection when temperature exceeds 57.25°C or rises by 8.25°C per minute
- Auto-calibration every month to re-adjust detection threshold value
- Self-diagnostics function to ensure optimal performance
- Regular supervision signals to check system integrity
- Loud 85dB siren for audio alert
- Wireless for easy and flexible installation
- Alarm silence button to quiet nuisance alarms
- Excellent stability with high sensitivity
- LED status indicators for visual notification
- Low battery detection
- Suitable for residential and commercial premises

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Specifications

Communication Protocol	MQTT
Radio Access Technology	LTE Cat. M1 / LTE Cat. NB2 / LTE Cat. NB1
Frequency Bands*	Cat M1:
	LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B14/B18/B19/B20/B25/B26/B27/B28/B66/B85
	Cat NB2 / NB1:
	LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66/B71/B85
Power Source	3V, CR123 Lithium batteries x3
Battery Life	10 years**
Audible Output	85dB at 3m
Operating Temperature	-10°C to 45°C (32°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	105mm x 105mm x 41mm

* Note: Frequency band will vary with area and demand.

**Note: Actual battery life may vary due to device settings, usage, and environmental conditions.