SDCO-1-NBIOT
Smoke & Carbon Monoxide Detector

Protecting What Matters Most

NB-IoT

• **Combo Smoke and CO Detector**

• **Loud Siren**

• **Tamper protection**

SDCO-1-NBIOT is a wireless combo Smoke & Carbon Monoxide Detector utilizing the latest optical sensing chamber and advanced microprocessor to deliver optimum performance in detecting fire and odorless, poisonous carbon monoxide. SDCO-1-NBIOT incorporates NB-IoT technology and can send status or alarm signals to the system server via NB-IoT network, providing flexible system deployment.

SDCO-1-NBIOT has a loud siren for audio notification and warning. With auto-calibration, this combo detector automatically re-adjusts its detection threshold value according to changes in the environment. Most importantly, with backup batteries, it will continue to work even during power outage.

Fire and carbon monoxide can be a deadly duo, but the SDCO-1-NBIOT makes it easier to protect yourself against both. When it comes to your safety, there is no room for compromise.

Features

• Detects smoke and carbon monoxide

• Reflective photoelectric sensor to detect smoke from any source

• Electrochemical CO sensor to detect carbon monoxide from 0 to 450ppm

• Auto-calibration once every month to re-adjust detection threshold value

• Supervision signals to check system integrity

• Test button to test range and silence alarm

• Wireless for easy and flexible installation

• Loud 85dB built-in siren for audio alerts

• Low battery detection

• Tamper protection to prevent unauthorized removal or unstable installation

• EN14604 and EN50291 certified

Specifications

Communication Protocol	UDP based NB-IoT network, APAC/EMEA region
LTE Category	NB1 (HD-FDD) 3GPP Release 13/14
LTE Bands	1800MHz / 850MHz / 900MHz / 800MHz / 700MHz
Power Source	3V, EL123AP Lithium batteries x3
Battery Life	7 years*
Audible Output	85dB at 3m
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	128mm x 128mm x 46mm

Note: Actual battery life may vary due to product settings, environment and usage.