

## SDCO-1ZW Series Smoke & Carbon Monoxide Detector

### Protecting What Matters Most



- Combo Smoke and CO detector
- Voice Prompt with programmable locations
- Loud 85dB Siren at 3m
- Serial connected notification feature
- Auto-calibration & Self-diagnostic functions

Our combo Smoke & Carbon Monoxide Detector Series deliver optimum performance in detecting fire and the odorless, poisonous carbon monoxide. Climax's SDCO-1ZW series has a built-in speaker for voice prompts and loud 85dB siren for audio notification and warning, allowing you and family members to know exactly why and where the alert is happening. It also has built-in temperature and humidity sensor to help monitor changes in the environment.

With auto-calibration, this combo detector automatically re-adjusts its detection threshold value according to changes in the environment. SDCO-1ZW also has self-diagnostics function to monitor device status and ensure optimal performance.

SDCO-1ZW series is compatible with other manufactures' Z-Wave systems and can be conveniently integrated into new or existing Z-Wave systems to deliver quality detection. Fire and carbon monoxide can be a deadly duo; Climax's SDCO-1ZW series 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
- Voice prompts indicating location and type of danger
- Reflective photoelectric sensor to detect smoke
- Detects carbon monoxide from 0 to 450ppm
- Auto-calibration once every month to re-adjust detection threshold value
- Self-diagnostics function to ensure optimal performance
- Built-in temperature sensor detects temperatures from -10°C to 50°C
- Rate-of-rise heat detection when temperature exceeds 57.25°C or rises by 8.25°C per minute
- Built-in humidity sensor to detect humidity from 0% to 99%RH
- Wireless for easy and flexible installation
- EN14604 and EN50291 certified
- Serial connected notification feature to command all devices with built-in siren to sound when alarm triggered
- AC-powered or battery-powered (optional)
- Over-the-Air firmware update capability
- Loud 85dB Siren at 3m for audio notification
- Excellent stability with high sensitivity
- Randomized supervision signals to check system integrity
- LED status indicators for visual notification
- Low battery detection
- Tamper protection
- Compatible with other manufacturers' Z-Wave systems
- Suitable for residential and commercial security

## Smoke & Carbon Monoxide Detector

### Specifications

#### SDCO-1-RhTH-ZW-SC-OTA

Communication Protocol	Z-Wave Plus 500 series module
Frequency	868.40 MHz (EU) / 908.40 MHz (US)
Power Source	3V, EL123AP Lithium battery x 3
Battery Life	3.5 years*
Audible Output	85dB at 3m
Carbon Monoxide Detection Range	0 to 450 ppm
Temperature Detection Range	-10°C to 50°C (14°F to 122°F)
Temperature Sensitivity	±1°C (±1.8°F)
Humidity Detection Range	0% to 99%Rh
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	128 mm x 128 mm x 46 mm

\* Note: Actual battery life may vary due to configuration, usage, and environment.

#### SDCO-1-RhTH-ZW-SC-AC-OTA

Communication Protocol	Z-Wave Plus 500 series module
Frequency	868.40 MHz (EU) / 908.40 MHz (US)
Power Source	AC 110~220V, 50/60Hz
Backup Power Source	600mAh, Ni-MH AAA Lithium battery x 3
Backup Battery Life	17 hours*
Audible Output	85 dB at 3m
Carbon Monoxide Detection Range	0 to 450 ppm
Temperature Detection Range	-10°C to 50°C (14°F to 122°F)
Temperature Sensitivity	±1°C (±1.8°F)
Humidity Detection Range	0% to 99% Rh
Operating Temperature	-10°C to 45°C (14°F to 113°F)
Operating Humidity	Up to 85% non-condensing
Dimensions	128 mm x 128 mm x 46 mm

\* Note: Actual battery life may vary due to configuration, usage, and environment.

### Ordering Information

#### SDCO-1-RhTH-ZW-SC-OTA

Smoke and Carbon Monoxide Detector, battery-powered, with temperature, humidity detection, serial connection, and over-the-air firmware update capabilities.

#### SDCO-1-RhTH-ZW-SC-AC-OTA

Smoke and Carbon Monoxide Detector, AC-powered, with temperature, humidity detection, serial connection and over-the-air firmware update capabilities.