

## SDCO-1 Series Smoke & Carbon Monoxide Detector

## Protecting What Matters Most



- Combo Smoke and CO detector
- Loud 85dB Siren at 3m
- Extensive RF range
- Long battery life

Our combo Smoke & Carbon Monoxide Detector Series utilizes the latest optical sensing chamber and advanced microprocessor to deliver optimum performance in detecting fire and the odorless, poisonous carbon monoxide.

The SDCO-1 Series has a loud 85dB 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. It also has self-diagnostics function to monitor device status and ensure optimal performance. In addition, the SDCO-1 Series features several optional functions, including rate-of-rise heat detection and serial connection capability. Most importantly, it will continue to work even during a power outage.

Fire and carbon monoxide can be a deadly duo, but Climax's SDCO-1 Series offers protection from two deadly threats in one unit. Not only does it save space, but also allows users to change and test batteries in one device rather than two. Furthermore, the SDCO-1 Series adopts Climax's industry-leading RF technologies to deliver super speed signal transmission and extensive communication range.

### Features

- Detects smoke and carbon monoxide (CO)
- Reflective photoelectric sensor to detect smoke from any source
- Electrochemical sensor to monitor CO level
- Auto-calibration every month to re-adjust detection threshold value
- Self-diagnostics function to ensure optimal performance
- Rate-of-rise heat detection when temperature exceeds 57.25°C (135.05°F) or rises by 8.5°C (15.3°F) per minute (optional)
- Serial connection capability to command all devices with built-in siren to sound whenever an alarm is triggered (optional)
- AC-powered or battery-powered (optional)
- Loud 85dB Siren for audio alert
- Alarm silence button to quiet nuisance alarms
- Excellent stability with high sensitivity
- Extensive RF range and fast speed data transmission
- Randomized supervision signals to check system integrity
- LED status indicators for visual notification
- Low battery detection
- Suitable for residential and commercial premises
- Wireless for easy and flexible installation
- FCC and CE compliance

## SDCO-1 Series

### Specifications

Battery-powered	
Power Source	3V, CR123A lithium batteries x 3
Battery Life	SDCO-1-F1: 10+ years* SDCO-1-F1-2W: TBD SDCO-1H-F1: 10+ years* SDCO-1H-F1-2W: TBD
AC-powered	
Power Source	AC100~230V
Back-up Battery	3V, CR123A lithium battery x 1
Back-up Battery Life	SDCO-1-F1-SC-AC: 1 year* SDCO-1H-F1-SC-AC: 1 year* SDCO-1-F1-2W-SC-AC: TBD SDCO-1H-F1-2W-SC-AC: TBD
Mechanical	
Frequency	433MHz / 868MHz
Audible Output	85dB at 3m
Carbon Monoxide Detection Range	0 to 450ppm
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 with product settings, operating environment, and usage.

### Ordering Information

<b>SDCO-1-F1</b>	Smoke and CO Detector, battery-powered
<b>SDCO-1-F1-2W</b>	Smoke and CO Detector, battery-powered with two-way transmission
<b>SDCO-1H-F1</b>	Smoke and CO Detector, battery-powered with heat detection
<b>SDCO-1H-F1-2W</b>	Smoke and CO Detector, battery-powered with heat detection and two-way transmission
<b>SDCO-1-F1-SC-AC</b>	Smoke and CO Detector, AC-powered with serial connection capability
<b>SDCO-1H-F1-SC-AC</b>	Smoke and CO Detector, AC-powered with heat detection and serial connection capability
<b>SDCO-1-F1-2W-SC-AC</b>	Smoke and CO Detector, AC-powered with two-way transmission and serial connection capability
<b>SDCO-1H-F1-2W-SC-AC</b>	Smoke and Carbon Monoxide Detector, AC-powered with heat detection, two-way transmission and serial connection capability