KIDDE™

Battery Powered Smoke & Carbon Monoxide Voice Alarm

Model 900-CUDR-VCA

2-in-1 Detection with Voice
Alerts you to both smoke & carbon monoxide (CO) using a single alarm with voice warnings.

Easy-Install Mounting Bracket
Included for simple, quick installation in 4 orientations.

Self-Testing
Smoke & CO alarm is equipped with components that are always checking to ensure the device is operating as expected.*

Photoelectric Smoke Sensor
Can detect visible fire particles associated with slow smoldering fires sooner than an ionization sensor.

*Images are representative only.
Actual product may vary slightly.*

ALERTS USER TO REPLACE ALARM AFTER 10 YEARS OF OPERATION

Description

The Battery Powered Smoke & Carbon Monoxide Voice Alarm (2 AA batteries included), is equipped with self-testing components that are always checking to make sure the alarm is on and working.* This smoke and CO combo alarm helps protect you and your family from 2 dangerous threats – fire and carbon monoxide – in one unit. What's more, the included mounting bracket makes installation quick and easy. Battery-powered smoke alarms provide reliable detection even during power outages, for extra peace of mind.

Leading authorities recommend that both ionization and photoelectric smoke alarms be installed to help ensure optimal detection of the various types of fires that can occur within the home. Ionization sensing alarms may detect invisible fire particles (associated with fast flaming fires) sooner than photoelectric alarms. Photoelectric sensing alarms can detect visible fire particles (associated with slow smoldering fires) sooner than ionization alarms.

Alarm Warnings – *featuring multi-color LEDs*

Fire: The red LED will flash in sync with the alarm pattern (3 long beeps). The alarm will repeat this pattern until the unit is reset or smoke is eliminated.

Carbon Monoxide: The red LED will flash in sync with the alarm pattern (4 quick beeps every 5 seconds). After four minutes of CO alarm, the alarm pattern will only occur once per minute to conserve battery.

Low Battery: One chirp and amber LED flash per minute.

Alarm Memory: Alerts a user if smoke or CO has been detected in the last 24 hours. If smoke has been detected, the red LED blinks every 15 sec. If CO has been detected, the red LED blinks twice every 15 sec.

Features & Benefits

- **2-in-1 Detection** - Alerts you to both smoke & carbon monoxide (CO) using a single unit.
- **Voice Warning** - Clearly alerts "Fire! Feu!" when a smoke or fire hazard is present, "Warning! Carbon monoxide! Attention! Monoxyde de carbone!" when CO is detected, or "Low battery. Pile faible".
- **Easy-Install Mounting Bracket** - (Included) for simple, quick installation in 4 orientations.
- **Self-Testing** - Smoke & CO alarm is equipped with components that are always checking to ensure the device is operating as expected.*
- **Photoelectric Smoke Sensor** - Can detect visible fire particles associated with slow smoldering fires sooner than an ionization sensor.
- **Electrochemical CO Sensor** - Accurate and reliable CO detection during the unit's life, remains stable during temperature and humidity changes and resists reactions to household gases that may cause false readings or reduce sensitivity.
- **One-Touch Button** - performs the following functions:
  - Activates the Hush™ feature to temporarily silence nuisance alarms.
  - Tests the unit's electronics and verifies proper operation.
  - Silences a low battery chirp for up to 24 hours at a time for a maximum of 7 days.
  - Silences the end of life chirps for 24 hours at a time for a maximum of 7 days.
  - Resets the device during a CO alarm (unit will re-enter alarm within 6 minutes of reset if 70 ppm or more of CO is present).

10 YEAR LIMITED WARRANTY

SIGNALISATION SIGNALING

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CSA &19-17

CSA® SINGLE STATION CARBON MONOXIDE ALARM.

Self-testing is not a substitute for a manual push test of the alarm. Perform a button test once per week to verify proper alarm operation.

Industry experts recommend specific locations for smoke alarms, such as every level and sleeping area of the dwelling. They also recommend a CO alarm be installed on each level of the home – ideally on any level with fuel-burning appliances and outside of sleeping areas. See User Guide for further information.

Architectural and Engineering Specifications

The combination smoke and carbon monoxide alarm shall be Kidde Model 900-CUDR-VCA or approved equal. It shall be powered by two AA batteries. The temperature operating range shall be between 4.4°C and 37.8°C (40°F and 100°F) and the humidity operating range shall be 10%-95% relative humidity, non-condensing.

The unit shall incorporate a photoelectric smoke sensor with nominal sensitivity of 1.52 ± 1.02 %/ft OBS. The CO sensor shall be of an electrochemical design and shall meet the sensitivity requirements of CSA 6.19-17 Residential carbon monoxide alarming devices.

The combination alarm can be installed on the surface of any wall or ceiling following the manufacturer's recommended placement guidelines. The alarm shall include a test button that will electronically simulate the presence of smoke and CO and cause the unit to go into both modes of alarm. This sequence tests the unit's electronics to ensure proper operation. The CO sensor will not alarm to levels of CO below 30 ppm and will alarm in the following time range when exposed to the corresponding levels of CO.

> **70 ppm CO Concentration: 60-240 minutes**
> **150 ppm CO Concentration: 10-50 minutes**
> **400 ppm CO Concentration: 4-15 minutes**

The combination alarm shall warn of danger using a piezoelectric horn that is rated at 85 decibels at 3 m (10 ft). For a CO incident, the horn will sound in the repetitive manner – four (4) fast beeps, a short pause, four (4) fast beeps. After four minutes, the alarm pattern will sound once every minute until the unit is reset, or the CO eliminated. In a Smoke incident, the horn will sound in the repetitive manner – three (3) beeps, a pause, three (3) beeps. The unit shall incorporate three (3) LEDs. A green LED will flash every 60 seconds when in standby condition. An amber LED will indicate fault conditions. A red LED will flash once or twice every 15 seconds to indicate smoke or CO alarm memory, and will flash in unison with the sounder pattern during alarm. The unit shall include the Hush™ feature that silences a smoke alarm for approximately 8-10 minutes if a nuisance alarm condition occurs. The red LED on the alarm will flash every 2 seconds while in Hush™ and will automatically reset itself.

The unit shall also indicate a low battery warning utilizing a brief alarm chirp and voice. The unit shall at a minimum meet the requirements of ULC S-531 and CSA 6.19-17. It shall also include a 10-year manufacturer's limited warranty.

⚠ **WARNING:** *This product is intended for use in indoor residential locations. It is not designed to measure compliance with Occupational Safety and Health Administration (OSHA) commercial or industrial standards. This device is designed to protect individuals from acute effects of Carbon Monoxide exposure. It will not fully safeguard individuals with specific medical conditions. If in doubt, consult a medical practitioner. Individuals with medical problems may consider using warning devices which provide audible and visual signals for carbon monoxide concentrations under 30 ppm.*

Technical Specifications

Model:	900-CUDR-VCA
Power Source:	2 AA batteries
Smoke Sensor:	Photoelectric
CO Sensor:	Electrochemical
Audio Alarm:	85dB at 3 meters
Temperature Range:	4.4°C (40°F) to 37.8°C (100°F)
Humidity Range:	10%-95% relative humidity, non-condensing
Size:	12.6 cm in diameter x 4.9 cm depth
Weight:	0.24 kg
Interconnects:	No
Warranty:	10-year limited (batteries excluded)
Replacement batteries:	Energizer E91, Gold Peak 15A, Golden Power GLR6A. Replacement batteries are available where you purchased this alarm. *Note: Do not use lithium batteries in this unit.*

Ordering Information

Ordering Number	UPC	i 2 of 5	Pack Config	Pack Qty	Case Dimensions (w x d x h cm)	Case Weight (kg)	Cartons/Pallet
21032309	047871323098	10047871323095	Box	Tray/Lid (6 Units)	15.9 x 38.3 x 15.2	2.88	108