



# SMOKE ALARM

**120V + 2 AA BACKUP BATTERIES (INCLUDED)**

DETECT SERIES | MODEL 20SAR-CA | ITEM 21031486



## INTERCONNECTED ALARMS<sup>A</sup>

When one alarm sounds, they all sound, so you never miss an emergency and can get out faster.

## REDUCED NUISANCE ALARMS

Enhanced sensing technology reduces false alarms often caused by cooking.

## SELF-TESTING<sup>\*\*</sup>

For added assurance, internal components ensure alarm is always operating as expected.



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

## Description

North America's #1 home fire safety brand\* is bringing you the next level of fire safety with the Kidde Smoke Alarm model 20SAR-CA.

This alarm offers a modern design ideal for all living spaces. Cutting edge technology sends fast alerts that give your family more time to get out safely and enhanced sensing technology reduces false alarms often caused by cooking.

Comprehensively tested and designed to UL/ULC standards for safety and reliability, this Kidde DETECT alarm is powered by 120V AC with 2 AA replaceable backup batteries (included) for continual detection even during outages.

Plus, it's self-testing and easy to install with the included twist-and-click mounting bracket. Equipped with end-of-life notifications, the alarm will beep to remind you it's time to replace it 10 years after it is powered. The alarm also has interconnected alarm activation so you never miss an emergency and can get out faster.

## 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.

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

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

## Features & Benefits

- **2 AA Replaceable Batteries** – Provides power even during short-term power outages for extra peace of mind. Change replaceable batteries every 6 months, or when you hear the low battery chirp.
- **Interconnected Alarms** – When one alarm sounds, they all sound, so you never miss an emergency and can get out faster.
- **Self-testing Alarms** – For added assurance, internal components ensure alarm is always operating as expected.
- **Simple Installation** – Easy install with included twist-and-click mounting bracket.
- **End-of-life Notifications** – This alarm beeps to remind you it's time to replace it 10 years after it is powered.

## Installation of Alarm

**This model meets the latest residential smoke alarm standards, which includes enhanced resistance to nuisance alarms from cooking.** Industry experts 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 may detect visible fire particles (associated

\*Based on total household installations as of December 2022. \*\*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. \*Different models offer different interconnect options and requirements. Check the User Guide for more info.

with slow smoldering fires) sooner than ionization alarms. Industry experts recommend specific locations for smoke alarms, such as every level and sleeping area of the dwelling. The alarm can be installed on the surface of any wall or ceiling following the UL/ULC/NFPA/Manufacturer's recommended placement guidelines, on a CSA listed or recognized junction box. See User Guide for more location information and additional instructions.

All connections should be made by a qualified electrician and all wiring used shall be in accordance with codes having jurisdiction in your area. Make certain all alarms are wired to a single, continuous (non-switched) power line, which is not protected by a ground fault interrupter. A maximum of 305m (1000 ft.) of wire can be used in the interconnect system. Use agency approved household wire (as required by local codes) available at all electrical supply stores and most hardware stores.

A maximum of 24 Kidde devices can be interconnected in a multiple station arrangement. The interconnect system must not exceed the NFPA (National Fire Protection Association) limit of 18 initiating devices, of which 12 can be smoke alarms. With 18 initiating devices (smoke, heat, CO, etc.) interconnected, it is still possible to interconnect 6 strobe lights and or relay modules.

## Architectural & Engineering Specifications

The alarm shall include a test button that will electronically simulate the presence of smoke and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation. The unit shall incorporate three LED colors. A green LED will be steady on when AC power is connected, or flash every 60 seconds when in the battery-only mode. An amber LED will indicate fault conditions. A red LED will flash in sync with the smoke alarm pattern, and will also indicate alarm memory.

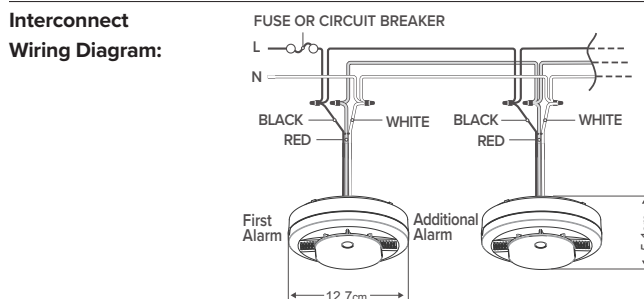
The unit shall include the Hush™ feature that silences a smoke alarm for approximately 8-10 minutes if a nuisance alarm condition occurs. The red LED on the alarm will flash every 2 seconds while in Hush and will automatically reset itself.

At the date of manufacture, the unit shall at a minimum meet the requirements of ULC S531, UL 217, NFPA 72, NFPA 101 (One- and two-family dwellings).

**NOTE:** This is not a carbon monoxide (CO) alarm, but will receive and transmit a CO alarm signal from an interconnected CO or combination smoke/CO alarm. The carbon monoxide (CO) alarm pattern is four quick beeps repeating every 5 seconds. It is impossible to determine the source of a CO alarm using sight or smell. Always consider a CO alarm event as dangerous.

## Technical Specifications

<b>Model:</b>	20SAR-CA
<b>Power Source:</b>	120V AC, 60 Hz, with 2 AA battery backup
<b>Surge Protection:</b>	Meets the new ULC S531 4 <sup>th</sup> edition 20kV surge test, reducing chance of electrical fire.
<b>Smoke Sensor:</b>	Photoelectric
<b>Audio Alarm:</b>	85dB at 3m (10ft)
<b>Temperature Range:</b>	4.4°C (40°F) to 37.8°C (100°F)
<b>Humidity Range:</b>	Up to 95% relative humidity (RH), non-condensing
<b>Size:</b>	12.7 cm x 5.1 cm x 12.7 cm
<b>Weight:</b>	0.39 kg
<b>Wiring:</b>	AC wiring, plug-in quick connector
<b>Interconnects:</b>	Interconnects with up to 24 Kidde devices. Please see User Guide for list of compatible alarms. This alarm is not designed to be interconnected with other manufacturer's products, unless otherwise specified.
<b>Warranty:</b>	10-Year Limited Warranty (batteries excluded)
<b>Replacement Batteries:</b>	Energizer E91, Gold Peak 15A or Golden Power GLR6A. Replacement batteries are available where you purchased this alarm. <i>Note: Do not use lithium batteries in this unit.</i>



## Ordering Information

Ordering Number	UPC	I 2 of 5	Pack Config	Master Carton Qty	Case Dimensions (w x d x h cm)	Master Carton Weight (kg)	Master Cartons/Pallet
380-21031486	047871314867	10047871314864	1 alarm in retail box	6 retail boxes	16 x 38.1 x 15.4	2.52	108
380-21031487	047871314874	10047871314871	3 alarms in retail box	2 retail boxes	16 x 38.1 x 15.4	2.45	108
380-21033111	047871331116	10047871331113	2 alarms in retail box	3 retail boxes	16 x 38.1 x 15.4	2.47	108
380-21033112	047871331123	10047871331120	6 alarms in retail box	1 retail box	15 x 36 x 15.2	2.20	114