



# SMART SMOKE ALARM

**HARDWIRED + 2 AA BACKUP BATTERIES (INCLUDED)**

MODEL 20SAR-W

## ADVANCED SENSING TECHNOLOGY

React quickly with smoke detection that's over 25% faster\*\*\* and up to 3x more precise.\*\*\*\*

## REAL-TIME NOTIFICATIONS IN THE KIDDE APP

Home or away, get notifications of smoke and low battery warnings.

## WHOLE HOME SMART CONNECTIVITY\*

Add one smart alarm to your existing Kidde hardwired alarms for real-time mobile alerts for your entire home.



Images are representative only.  
Actual product may vary slightly.



## Description

North America's #1 home fire safety brand\* is bringing you our latest Kidde Smart alarms with cutting edge sensing technology and seamless Kidde App integration. Experience whole home smart connectivity by adding one smart alarm to your existing Kidde hardwired alarms\* and get real-time notifications at home or away, including smoke and low battery warnings. Just download the Kidde App to begin alarm setup — no additional devices required. This Kidde App enabled smoke alarm features enhanced sensing technology to reduce false alarms\*\* often caused by cooking. Powered by 120V AC wiring with two AA backup batteries (included) to help ensure you're protected during outages.

## 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:** Amber LED blinks every 6 sec. Chirp every 60 sec.

**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 sec.

## Features & Benefits

- **Reduced Nuisance Alarms\*\*** – Enhanced sensing technology reduces false alarms often caused by cooking.
- **Everything You Need is in the Box** – Download the Kidde App for simple setup — no additional devices required.
- **Simple Setup with Wi-Fi** – Connect quickly using 2.4 GHz Wi-Fi and what's in the box.
- **Hush False Alarm From Your Phone\*** – Complete control at your fingertips means no dragging out the ladder.
- **Early Low Battery Alerts** – Receive advance warnings on your phone.
- **Works with Leading Smart Home Devices†** – Compatible with Alexa enabled devices and Google Home.



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\*\*Based on total household installations as of December 2023. \*\*Compared to prior Kidde generations of smoke alarms. \*\*\*29% faster average smoke detection based on internal testing of smoldering wood fires for Kidde 9th Edition vs. leading competitor 8th Edition products. \*\*\*\*In terms of consistency and range of obscuration rate, based on internal testing for Kidde 9th Edition vs. leading competitor 8th Edition products. \*Different models offer different interconnection options and requirements. See User Guide for more info. †This feature is available on this Kidde Smart Alarm, not other interconnected alarms and may require your mobile device to be connected to the same Wi-Fi network as the alarm or in close proximity. Alarms cannot be hushed while the user is away from the property.

## 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 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. 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. The alarm can be installed on the surface of any wall or ceiling following the UL/NFPA/Manufacturer’s recommended placement guidelines. The alarm can be installed on any standard single gang electrical box, up to a 4" octagon junction box. See User Guide for more location information and additional instructions.

The alarm should be installed to comply with all local codes having jurisdiction in your area, Article 760 of the National Electric Code, and NFPA 72. 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 1000 ft of wire can be used in the interconnect system. Use standard UL listed household wire (18 gauge or larger as required by local codes).

A maximum of 24 Kidde Safety devices may be interconnected in a multiple station arrangement. The interconnect system should not exceed the NFPA interconnect limit of 12 smoke or smoke/CO combination alarms and/or 18 alarms total (smoke, CO, smoke/CO combination, heat, etc.). With 18 alarms interconnected, it is still possible to interconnect up to a total of 6 remote signaling devices 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 four 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. A blue LED is used to assist during Wi-Fi setup.

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 UL 217, NFPA 72, NFPA 101 (one- and two-family dwellings), Federal Housing Authority (FHA), and Housing and Urban Development (HUD).

**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-W
<b>Power Source:</b>	120V AC, 60 Hz, with 2 AA backup battery
<b>Smoke Sensor:</b>	Photoelectric
<b>Audio Alarm:</b>	85 dB at 10 ft
<b>Temperature Range:</b>	40 °F (4.4 °C) to 100 °F (37.8 °C)
<b>Humidity Range:</b>	Up to 95% relative humidity (RH), non-condensing
<b>Size:</b>	Alarm in box: 6.69" W x 2.8" D x 8.07" H Alarm out of box: 5" W x 1.88" D x 5" H
<b>Weight:</b>	0.4 lb
<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>

**▲ WARNING:** Mobile alert services are ancillary to the product and for informational purposes only. They are not intended or suitable for life safety or critical purposes nor do these services take the place of third-party life safety monitoring services. This product’s smartphone or tablet notifications require a stable Wi-Fi connection, and are only as reliable as your home Wi-Fi network.

Wi-Fi features will not function without AC power present. Alarm can only pair to a 2.4 GHz Wi-Fi network and compatible 802.11b/g/n router. Mobile Phone or Tablet: Requires iOS 14 or later or Android 9 and up.

## Ordering Information

Ordering Number	UPC	GTIN	Pack Config.	Pack Qty	Case Dimensions (D x W x H inches)	Case Weight (lbs)	Cartons/Pallet
21033278	47871332786	10047871332783	Box	3	9.45 x 7.24 x 8.39	3.9	96