HARDWIRED + 10-YEAR NEVER-CHANGE BACKUP BATTERY

KIDDE™

SMOKE ALARM

HARDWIRED + 10-YEAR NEVER-CHANGE BACKUP BATTERY

DETECT SERIES | MODEL 20SA10-V



NO LOW BATTERY CHIRPS
This alarm beeps to remind you it's time to replace it 10 years after it is powered.

VOICE ALERTS
Crystal-clear voice alerts tell you exactly why your alarm is sounding so you can react quickly.

INTERCONNECTED ALARMS*
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.

Images are representative only. Actual product may vary slightly.

Photoelectric + Firmware Technology

CERTIFIED SAFETY SIGNALING
Helps Reduce Cooking Nuisance Alarms

Description
North America's #1 home fire safety brand (based on total household installations as of December 2023) is bringing you the next level of fire safety with the Kidde Smoke Alarm model 20SA10-V.

This alarm offers a modern 5" 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 the latest UL standard for safety and reliability, this Kidde DETECT alarm is powered by 120V AC with 10-year backup battery so you never have to change a battery.

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. This model also features voice alerts that let you know exactly why your alarm is sounding and 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.

End of Unit Life: Two chirps and amber LED flashes 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
- **Worry-Free 10-Year Backup Battery** – No battery changes for 10 years.† Avoids inconvenient battery replacements and saves up to $40 over the life of the device.
- **Voice Alerts** – Crystal-clear voice alerts tell you exactly why your alarm is sounding so you can react quickly.
- **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** – No low battery chirps! 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

**Different models offer different interconnect options and requirements. Check the User Guide for more info. †10-year limited warranty on alarm. Not a battery performance claim.*
***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.*

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. 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 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 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

Model:	20SA10-V
Power Source:	120V AC, 60 Hz, with 10-year† sealed battery backup
Smoke Sensor:	Photoelectric
Audio Alarm:	85dB at 10ft
Temperature Range:	40˚F (4.4˚C) to 100˚F (37.8˚C)
Humidity Range:	Up to 95% relative humidity (RH), non-condensing
Size:	5" W x 2" D x 5" H
Weight:	0.77 lb
Wiring:	AC wiring, plug-in quick connector
Interconnects:	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.
Warranty:	10-Year Limited Warranty (battery included)
Replacement Batteries:	N/A

Ordering Information

Ordering Number	UPC	GTIN	Pack Config.	Pack Qty	Case Dimensions (D x W x H inches)	Case Weight (lbs)	Cartons/Pallet
21033154	047871331543	10047871331540	Box	6	15 x 6.3 x 6.06	5.08	108
21033155	047871331550	10047871331557	Box	3	15 x 6.3 x 6.06	4.90	108
21033156	047871331567	10047871331564	Box	2	15 x 6.3 x 6.06	4.88	108
21033157	047871331574	10047871331571	Box	2	19.76 x 6.3 x 6.06	6.31	84
21033158	047871331581	10047871331588	Box	1	14.17 x 5.91 x 5.98	4.33	114

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