E.B. Horsman & Son
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KIDDE™

Smoke + Carbon Monoxide Alarm with Indoor Air Quality Monitor

Model P4010ACSCOAQ-WF-CA

An industry first*
1st smart device with smoke, CO & indoor air quality monitoring.

Indoor air quality monitoring
Measures harmful chemicals in your air that can impact health.

Remote alarm notifications
Real-time mobile alerts through the Kidde app.

Smart detection featuring Kidde HomeSafe™
This alarm is part of a comprehensive suite of home safety devices that help protect against smoke, carbon monoxide, indoor air quality issues, leaks and freezes.

Features & Benefits

• **An industry first*:** The first all-in-one smart home safety device to integrate smoke and carbon monoxide (CO) detection with Indoor Air Quality (IAQ) monitoring.

• **Indoor air quality monitoring:** Built-in air quality sensor measures levels of temperature, relative humidity and Total Volatile Organic Compounds (TVOC) – harmful chemicals in your air that can impact your health.

• **Remote notification and status with Kidde HomeSafe:** Use the Kidde app to receive notifications if hazards are detected, know when the device needs to be replaced and test alarms.** Mobile alerts allow you to notify friends and family of potential danger. Plus, you can Smart Hush™ false alarms when you are home.**

• **One battery for 10 years:** Alarms are powered by 120V AC with a sealed long-life lithium backup battery that lasts for 10 years*** – the entire life of the device.

• **Simplify setup:** Just scan the QR code on the back of the product. No additional hub is needed to set up your Kidde smart devices.

• **Whole-home alarm activation:** Interconnected alarms activate together**** – when one alarm sounds, they all sound, and an alert is sent to your phone.

• **Compatible with Google Assistant and Amazon Alexa:** Use voice commands to check alarm status and connection.†

*First cUL/CSA carbon monoxide and smoke detection device with indoor air quality monitoring.
**This feature is only available on devices with the Kidde HomeSafe feature, not other interconnected alarms, when you are connected to the same Wi-Fi network as the alarm.
***10-year limited warranty on alarm. Not a battery performance claim.
****Alarms only connect with other Kidde alarms that have hardwired AC interconnect capability.
§Based on total household installations as of December 2021.
† Amazon, Alexa, and all related marks are trademarks of Amazon.com, Inc or its affiliates. Google is a trademark of Google, LLC

Description

The first all-in-one smart home safety device to integrate smoke and carbon monoxide (CO) detection with Indoor Air Quality (IAQ) monitoring*, from the #1 most installed fire safety brand in North America§. The Kidde Smoke + Carbon Monoxide Alarm with Indoor Air Quality Monitor detects multiple airborne threats to home health and safety from a single, Wi-Fi-enabled device. Equipped with Kidde HomeSafe, it connects to the Kidde app to place status updates and mobile alerts at your fingertips. It's also designed to work together with existing Kidde hardwired interconnected alarms to provide whole-home alarm activation**** – when one alarm sounds, they all sound, and an alert is sent to your phone**. The Smoke + Carbon Monoxide Alarm with Indoor Air Quality Monitor is a comprehensive approach to helping protect your home – and it's all from a trusted leader in fire safety for more than 100 years.

Glowing LED Status Ring allows easy identification of current state of alarm.

Green:
Unit is Working

Amber:
Error

Red:
Danger Detected

⚠️ 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 and tablet notifications require a stable Wi-Fi connection, and are only as reliable as your home Wi-Fi network. Images are representative only. Actual product may vary slightly.

PHOTOELECTRIC TECHNOLOGY
TECHNOLOGIE PHOTOÉLECTRIQUE

SIGNALISATION SIGNALING

c (UL) us
LISTED HOMOLOGUÉ

CSA 6.19-17

CSA

Wi-Fi CERTIFIED

Architectual and Engineering Specs

See User Guide for complete instructions.

AC Hardwire Specifications	
Installation	Fits most standard electrical box openings
Electrical Connection	Plug-in connector
Interconnect	Up to 24 Kidde devices (limited by NFPA 72, see user guide) †
Sounds and Warnings	
Smoke Alarm	3 long beeps, voice "Fire," 3 long beeps
CO Alarm	4 fast beeps, voice "Warning Carbon Monoxide," 4 fast beeps
End of Unit Life	After 10 years of operation, chirps and voice "Replace alarm, press button to temporarily silence"
CO Alarm Response Times	70ppm: 60-240min 150ppm: 10-50min 400ppm: 4-15min
Technical Specifications	
Power Source	120VAC 60Hz, 53mA max 3V sealed lithium battery backup
Sensor(s)	Smoke: Photoelectric, CO: Electrochemical Incorporated Indoor Air Quality Sensor, (IAQ) measuring Temperature, Relative Humidity, Total Volatile Organic Compounds (TVOC) Note: The IAQ Sensor can take up to 4 days to fully calibrate and provide accurate readings

IAQ Sensing Parameters

Air Quality	Relative Humidity	Approx. VOC conc. (PPB)	Temperature
Good	30% – 49%	< 500	<=25°C (77°F) & >=17.8°C (64°F)
Moderate	25% – 29% or 50% - 59%	< 1500	>25°C (77°F) & <=27.8°C (82°F) or <17.8°C (64°F & >= 13.9°C (57°F)
Bad	20% – 24% or 60% - 69%	< 2500	>27.8°C (82°F) & <=33.3°C (92°F) or <13.9°C (57°F) & >=8.9°C (48°F)
Very Bad	0% – 19% or 70% - 100%	> 2500	>33.3°C (92°F) or <8.9°C (48°F)

Audio Alarm	85dB at 3m
Temperature Range	4.4˚C (40˚F) to 37.8˚C (100˚F)
Humidity Range	10 to 95% relative humidity (RH), non-condensing
Connectivity	802.11b/g/n (2.4Ghz) Wi-Fi (Wi-Fi features only work with AC Powered Connected) Bluetooth 4.2 (For Commissioning Only)
Device Weight	0.27Kg
Regulatory Agency Compliance (at date of manufacture)	ULC S531 CSA 6.19

Ordering Information (Not for sale by individual unit)

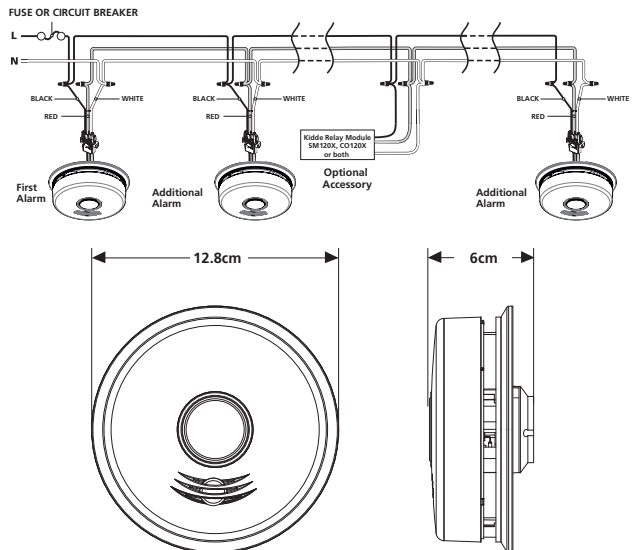| UPC	Ordering No:	I 2 of 5	Packaging	Master Pack Qty	Pallet Qty	Dimensions(cm) (w x d x h)	Weight
0-47871-31590-1	21031590	100-47871-31590-8	Box	2	250	22.6 x 19.6 x 20.1	1.8Kg

Important Information

Industry experts recommend specific locations for smoke alarms, such as every level and sleeping area of the dwelling. Industry experts 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 more location information.

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 may detect visible fire particles (associated with slow smoldering fires) sooner than ionization alarms.

⚠️WARNING: This product is intended for use in indoor residential locations. It is not designed to measure compliance with 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.

NOTE: The indoor air quality sensors and features are not designed for life safety, and are not CCHOS, CANOSH, CUL, or CSA certified. These features offer additional notifications to the consumer, and will not affect life safety performance (smoke& CO detection) of your Wi-Fi alarm.

Installation

† This alarm is not designed to be interconnected with other manufacturer's products, unless otherwise specified.

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