Kidde

Worry-Free
Ten Year Sealed Battery Smoke Alarms

Worry-Free Kitchen Smoke and Carbon Monoxide Alarm Sealed Lithium Battery Power

Model P3010K-CO

Test/Hush Button
A single button that tests alarm circuitry and temporarily silences nuisance alarms.

LED Indicator
A flashing red indicator blinks to correspond with alarm sound, unit error mode, and standby condition.

Combined Smoke and Carbon Monoxide Alarm
Unique sensor algorithm detects real fires faster and reduces cooking-related nuisance alarms.

Sealed-In Lithium Battery
Unit will continue to operate for 10 years. Alerts user to replace alarm after 10 years of operation.



Description

The Kidde P3010K-CO is a 10-year, sealed battery, smoke and carbon monoxide alarm that features photoelectric and electrochemical sensing technology with Smart Hush feature. This combination alarm combines the detection capabilities of a photoelectric sensor with that of an electrochemical sensor, which is used to detect CO. When either sensor notices a potential hazard, it will communicate with the other. Depending on what is detected, the alarm will adjust its smoke sensitivity in order to better discriminate between a real hazard and a false one. This constant communication enhances the alarm's overall performance and significantly reduces the potential for a nuisance alarm.

The sealed in lithium battery will power the unit for the entirety of its 10 year life, eliminating the need for battery replacement and worry about unauthorized battery removal. The alarm provides continuous protection from smoke and carbon monoxide, even during power outages.

The alarm will automatically activate when it is attached to the mounting bracket; there are no pull-tabs, no switches, everything is automatic. At the end of alarm life, the unit will chirp, indicating the alarm is in need of replacement. The customer can use a simple tool such as a screwdriver to deactivate the unit, stopping the chirp and making it safe for disposal.

Industry experts (such as the NFPA), recommend that both ionization and photoelectric smoke alarms be installed to help insure maximum 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.

Features and Benefits

- **Combination Smoke and Carbon Monoxide Alarm** – Smoke and CO sensing technologies work together to detect real fires faster and reduce cooking-related nuisance alarms.
- **Sealed-In Lithium Battery** – Sealed-in lithium power supply; no battery replacement required over the 10 year life of the alarm. Eliminates worry about battery removal or unauthorized deactivation of alarm.
- **Photoelectric Sensor** – Smoke alarm contains advanced photoelectric sensor that may detect visible particles (associated with smoldering fires) sooner than ionization alarms.
- **Self Activation** – Alarm automatically activates when attached to the mounting bracket.
- **Alarm Memory** – Rapidly flashing LED alerts user if the alarm has sounded since the last time the test/reset button was used.
- **Test/Hush Button** – Tests alarm circuitry and activates Hush features.
- **Smart Hush™** – Temporarily silences nuisance alarms for approximately 10 minutes and will not allow hush mode unless the unit is in alarm mode.
- **LED** – Red LED will blink in conjunction with the alarm sound.
- **End of Life Warning** – Alarm chirps every 30 seconds to indicate the unit is in need of replacement.
- **End of Life Hush®** – End of life indication can be silenced three days at a time up to 30 days to allow for alarm replacement at a more convenient time.
- **UL217 and UL2034 Listed**
- **10 Year Limited Warranty**

10 YEAR LIMITED WARRANTY

SIGNALING UL LISTED

Architectural and Engineering Specifications

The combination smoke and carbon monoxide alarm shall be Kidde model number P3010K-CO or approved equal. It shall be powered by a non-replaceable lithium battery with a 10-year life. The lithium battery shall be sealed in the unit to prevent removal and/or tampering. The unit shall incorporate a photo-electric smoke sensor and an electrochemical carbon monoxide sensor. The CO sensor shall be of a fuel cell design and provide accuracy of +/- 20% + 15 PPM. The temperature operating range shall be between 40ºF and 100ºF (4ºC and 38ºC) and the humidity operating range shall be 10%-85% non-condensing relative humidity.

The alarm can be installed on the surface of any wall or ceiling following the UL/Manufacturer's approved placement guide-lines. The alarm shall incorporate an automatic activation fea-ture that will activate the unit as soon as it is attached to the mounting bracket, no other steps are involved.

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 cor-responding 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 alarm shall include a piezoelectric horn that is rated at 85 decibels at 10 feet. For a CO incident, the horn will sound in the repetitive manner – four (4) fast beeps, a short pause, four (4) fast beeps, a short pause. In a smoke incident, the horn will sound in the repetitive manner – three (3) beeps, a pause, three (3) beeps, a pause. The red LED will flash in conjunction with the alarm sound.

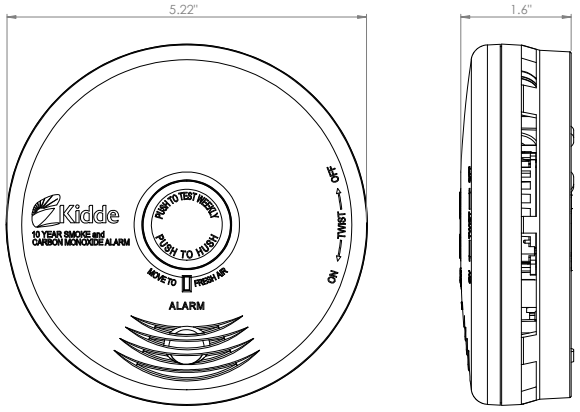
The unit shall indicate a low battery condition with a brief alarm chirp and LED flash once every 30 seconds. In standby condi-tion, the LED will flash every 60 seconds for the first 10 minutes following power on or test, and once every 10 minutes thereaf-ter. It will also flash every 10 seconds while in Hush mode.

The smoke alarm shall include an End of Life Alert, where ten years after initial power-up the unit shall chirp two times every 30 seconds to indicate the alarm needs to be replaced. The End of Life indication can be silenced for 3 days at a time for a maximum of 30 days. The unit shall have a deactivation switch to disable it and make it safe for disposal.

The unit shall at a minimum meet the requirements of UL217, UL 2034, NFPA 72, (chapter 11 2002 edition) The State of California Fire Marshall, NFPA 101 (One and two family dwellings), Federal Housing Authority (FHA), Housing and Urban Development (HUD). It shall also include a 10-year manufacturer's limited warranty.

Technical Specifications

Model:	P3010K-CO
Power Source:	Sealed Lithium Battery
Sensor:	Smoke: Photoelectric CO: Electrochemical
Audio Alarm:	85dB at 10ft
Temperature Range:	40˚F (4.4˚C) to 100˚F (37.8˚C)
Humidity Range:	10%-85% non-condensing relative humidity (RH)
Size:	5.22" in diameter x 1.6" depth
Weight:	1 lb.
Interconnects:	No
Warranty:	10 year limited



Ordering Information

Part No:	I 2 of 5	UPC	Pack Quan-tity	Dimensions (w" x d" x h")	Weight	Case/ Skid	Skid Weight
21010170	100-47871-10061-0	0-47871-10061-3	3-PK (Clam)	7.25 x 1.75 x 11	1 lbs	N/A	N/A
21010071	100-47871-10071-9	0-47871-10071-2	6-PK (Box)	5.75 x 2 x 6.25	1 lbs	N/A	N/A

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