10-Year Battery Operated Wireless Talking Smoke & Carbon Monoxide Alarm

Part Number **P4010DCSCO-WCA** Model **P4010DCSCO-WCA**
10-Year Limited Warranty

10-Year Sealed Lithium Battery eliminates late night battery chirp

Voice Notifications

Bug Screen protects alarm from insect ingression

Flashing LED Status Ring allows easy identification of current state of alarm

Green: Device is Working

Amber: Error

Red: Danger Detected

Description

The P4010DCSCO-WCA is 10-year, sealed battery smoke and carbon monoxide (CO) alarm that features wireless interconnect capability and provides enhanced intelligibility for users. The voice warning feature accompanies the 85dB tone during an alarm event, and helps reduce confusion with verbal announcements such as "Replace Alarm" at end of alarm life, and "Hush mode activated" when a nuisance alarm is silenced. The three color LED ring helps users quickly determine standby, alarm, or error mode of the alarm.

Kidde P4010 Series Alarms contain 10-year tamper proof batteries that eliminate the need for battery replacement, and ends worry over unauthorized removal. Users are further shielded from late night battery chirps by the unit's Ambient Light Sensing feature, which establishes a day/night cycle and prevents alarm chirping in dark conditions.

Wireless interconnect triggers each connected alarm in the network to sound once smoke or CO is detected, which can provide more time to react to a hazard. Kidde Wireless units can be joined easily with the touch of one button. Existing networks of interconnected alarms can be expanded with use of a single Kidde AC Wireless Alarm and additional compatible Kidde Wireless alarms, without the need for a wireless router.

Features and Benefits

- **Wireless Interconnect** – Proprietary radio signal joins multiple alarms together, so when one alarm sounds they all sound. User is alerted if an alarm loses connection to the network.

- **10-Year Sealed-in Lithium Battery** – No battery replacement required over the 10 year life of the alarm.

- **Combined Smoke & Carbon Monoxide Alarm** – A single unit can be installed where previously, two were needed. Reduces installation time and protects against both fire and carbon monoxide dangers.

- **Voice Notifications** – Unit announces "Fire!" and other alerts such as "Replace Alarm," which helps the user better understand the alarm status. Easily switch your language preference (English/French) at any time by pressing the Test button twice on ALL devices you wish to connect.

- **Alarm Locate Feature** – Quickly find initiating alarm by silencing other alarms in the network.

- **Multi-function One Button Design includes:**

  - **Hush® Feature** – Temporarily silences nuisance alarms for up to 10 minutes (smoke must be present before Hush® is activated). End of Unit Life and Network Error chirps can also be silenced.

  - **Test Feature** – Simultaneously tests the unit's electronics and verifies alarm operation.

SIGNALISATION
SIGNALING

LISTED
HOMOLOGUÉ

CSA-6.19-01

Architectural and Engineering Specifications

The combination smoke and carbon monoxide alarm shall be Kidde model P4010DCSCO-WCA or approved equal. It shall be powered by by non-replaceable lithium batteries with 10-year life. The lithium batteries shall be sealed in the unit to prevent removal and/or tampering. The temperature operating range shall be between 4.4°C (40°F) to 37.8°C (100°F) and the humidity operating range shall be 10%–95% relative humidity, non-condensing.

The unit shall incorporate an photoelectric smoke sensor with nominal sensitivity of 2.32 ± 1.35 %/ft OBS. The CO sensor shall be of a fuel cell design and shall meet the sensitivity requirements of CAN/CSA 6.19-01 (R2011) - Residential carbon monoxide alarming devices.

The alarm can be installed on the surface of any wall or ceiling following the ULC/Manufacturer's approved placement guidelines. The alarm shall incorporate an activation switch that can be engaged with the included tool or screwdriver to power on the alarm at startup, and deactivate the alarm at end of alarm life.

The P4010DCSCO-WCA shall include a test button that will simulate fire and carbon monoxide conditions and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation. A maximum of 24 Kidde devices can be interconnected in a multiple station arrangement. The interconnect system must not exceed the 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.

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 corresponding 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 unit shall have audible methods for warning of smoke or fire danger: a piezoelectric horn, rated at 85 decibels at 10 feet, and a voice warning. In a smoke incident, the horn will sound in the repetitive manner – three long beeps, a 1.5 second pause, three long beeps, repeating. In between, the unit will announce a voice warning, "Fire!" For a CO incident, the horn will sound in the repetitive manner - 4 quick beeps, voice message "Warning! Carbon Monoxide", 4 quick beeps. The red LED ring will flash in conjunction with the alarm sound.
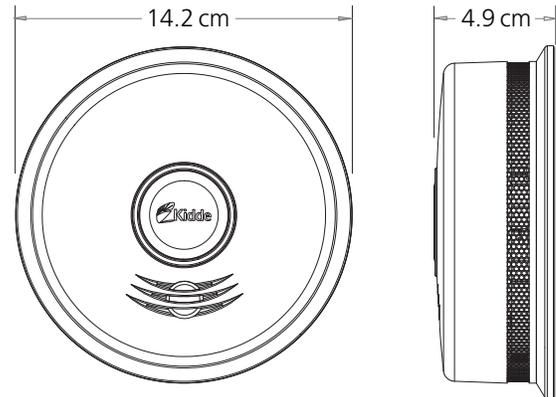
The unit shall incorporate wireless alarm interconnect capability, whereas when one interconnected unit sounds an alarm, all other compatible wireless units in the wireless alarm network will alarm. The maximum distance between wireless interconnect units is greater than 300 feet in open air. The alarm interconnect shall be supervised, where an audible and visual indication is given if the alarm loses connection to other units in the network.

The unit shall at a minimum meet the requirements of CAN/CSA 6.19-01 and CAN/ULC-S531. It shall also include a 10-year manufacturer's limited warranty.

Leading authorities recommend that both ionization and photoelectric smoke alarms be installed to help ensure 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.

Technical Specifications

Power Source:	Sealed 3V Lithium Battery
Sensors:	Smoke: Photoelectric, CO: Electrochemical
Audio Alarm	85 dB at 10 ft
Temperature Range:	4.4°C (40°F) to 37.8°C (100°F)
Humidity Range:	10%-95% relative humidity, non-condensing
Size:	14.2 cm in diameter x 4.9 cm depth
Weight:	0.27 kg
Interconnects:	Up to 24 Kidde devices (of which 18 can be initiating)
Warranty:	10-year limited

Compatible Wireless 10-Year Models

10-Year Sealed Battery Operated Alarms
P4010DCS-WCA: Wireless Smoke Alarm
P4010LDCS-WCA: Wireless Smoke Alarm with LED Safety Light
P4010DCSCO-WCA: Wireless Combination Smoke & CO Alarm

Hardwired Alarms with 10-Year Sealed Battery Backup
P4010ACS-WCA: Wireless Smoke Alarm
P4010LACS-WCA: Wireless Smoke Alarm with LED Safety Light
P4010ACSCO-WCA: Wireless Combination Smoke & CO Alarm

Ordering Information

UPC: 0-47871-27354-6

Part Number	I2 of 5	Pack Quantity	Case Dimensions (w x d x h)	Case Weight	Case/Skid
P4010DCSCO-WCA	**100-47871-27354-3**	**3 units**	**27 cm x 20 cm x 27 cm**	**1.68 kg**	**80**

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