



# AC Wire-In Carbon Monoxide Alarm With Battery Back-Up – Interconnectable

Part Number 900-0120

Model KN-COB-IC

## Test/Reset

Tests CO alarm circuit operation and allows you to immediately silence the alarm

## Green Power LED

## Red Alarm LED

## Amber, Initiation Alarm LED

## Adjustable Mounting Bracket

Allows for fast installation and perfect alignment

**Alerts user to replace CO alarm after 7 years of operation**



## Description

The Kidde 900-0120 is an AC wire-in carbon monoxide alarm that warns you and your family of dangerous carbon monoxide levels. It includes multiple contractor friendly features to ensure easy installation and minimal troubleshooting. This alarm interconnects with up to 24 Kidde devices (of which 18 can be initiation) including smoke alarms, CO alarms and heat alarms on one wiring network. The 900-0120 includes a 9V battery backup along with a 5-year limited warranty.

## Consumer Benefits

The Kidde 900-0120 is an essential device to help warn you and your family of dangerous carbon monoxide levels in your home. This unit is interconnectable to other Kidde devices such as smoke alarms and heat detectors on one wiring network, making your home a safer place for your family. The 9V battery backup provides continuous monitoring of carbon monoxide levels even during a power failure. The 900-0120 includes a smart interconnect system. This system enables the unit to alarm in a carbon monoxide pattern and sound a different pattern when interconnected to a Kidde smoke alarm that is in alarm mode.

## Contractor-Friendly Features

- **Battery Pull Tab** – Eliminates battery installation time and keeps battery fresh.
- **Adjustable Mounting Bracket** – Allows for fast installation and perfect alignment.
- **Quick Connect** – Installs quickly with snap-on harness.
- **Sealed Cover** – Reduces nuisance alarms. Sealed to protect sensor from contaminants prior to installation.
- **Tamper Resist Locking Feature** – To deter battery and alarm theft.
- **Alkaline Battery Backup** – for continuous protection in case of power failure.



## Architectural and Engineering Specifications

The carbon monoxide alarm shall be Kidde Unit Number KN-COB-IC (part number 900-0120) or approved equal. It shall be powered by 120VAC, 60Hz source with a 9V battery backup. The temperature operating range shall be between 40°F and 100°F (4°C and 38°C) and the humidity operating range shall be 5% - 95% relative humidity.

The unit's CO sensor shall be of a fuel cell design and shall meet the sensitivity requirements of Underwriters Laboratories UL2034 Single and Multiple Station Carbon Monoxide Alarms.

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. The electrical connection (to the alarm) shall be made with a plug-in connector. The unit shall provide optional tamper resistance that deters removal of the unit from the wall or ceiling. No additional pieces shall be required to activate this feature.

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.

The alarm shall include a test button that will electronically simulate the presence of CO and cause the unit to alarm. This sequence tests the unit's electronics and horn to ensure proper operation.

In accordance with UL 2034 with requirements, 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 alarm shall utilize a piezoelectric horn that is rated at 85 decibels at 10 feet. When the unit detects carbon monoxide, the alarm pattern will be four (4) short beeps - followed by five (5) seconds of silence - followed by four (4) short beeps. The unit shall incorporate "Intelligent Interconnect" feature that allows it to respond to a smoke incident when interconnected with smoke alarms. During a smoke incident, the horn will sound in the required, repetitive manner for a smoke alarm – three (3) beeps, a pause, three (3) beeps, a pause.

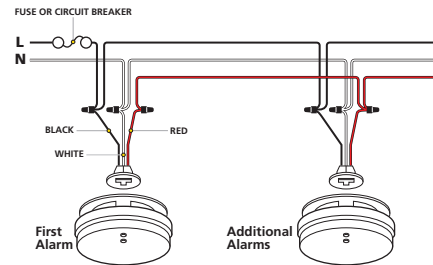
The unit shall incorporate 3 LED's. A green LED will be steady on when AC power is present and will flash every 7 seconds when in the battery only mode. A red LED will flash in unison with the sounder pattern for both a smoke or CO incident, it will flash once per 30 seconds if the alarm needs service, or be steady on if the alarm is in error mode. The amber LED will illuminate if that unit is the originating alarm in a CO incident.

The unit shall also indicate a low battery warning by issuing a brief alarm chirp and the red LED will flash approximately every 15 seconds.

The unit shall be listed to UL 2034. It has a 7-year life and it shall also include a 5-year manufacturer's limited warranty.

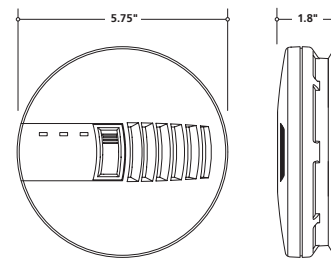
## Installation of Carbon Monoxide Alarm

The CO 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).



## Technical Specifications

Part Number:	900-0120
Model:	KN-COB-IC
UPC:	0-47871-00120-0
Power Source:	120VAC, 60HZ, 9V battery back-up
Sensor:	Electrochemical
Audio Alarm:	85dB at 10ft
Temperature Range:	40°F (4°C) to 100°F (38°C)
Humidity Range:	5%-95% relative humidity (RH)
Size:	5.75" diameter x 1.8" depth
Weight:	1lb
Interconnects:	Up to 24 Kidde devices
Warranty:	5 year limited



## Ordering Information

Gift Box UPC: 0-47871-00120-0

Part Number	I 2 of 5	Pack Quantity	Dimensions (w x d x h inches)	Weight	Case/Skid	Layers/Skid	Skid Weight
900-0120**	N/A	Individual	6 x 2 x 6	1lb	N/A	N/A	N/A
21006406	200 47871 00120 4	Master Pack (6 units)	6.5 x 13 x 6.5	6.5lbs	126	5	820lbs

\*\*Not for sale by individual unit



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