



120V AC Worry-Free Plug-in Carbon Monoxide Alarm with LED Nightlight and 10-Year Sealed Battery Backup

with Digital Display



Part Number **900-0284CA** Model **KN-COP-DP-10YHCA**
***10-Year Limited Warranty**

LED Nightlight

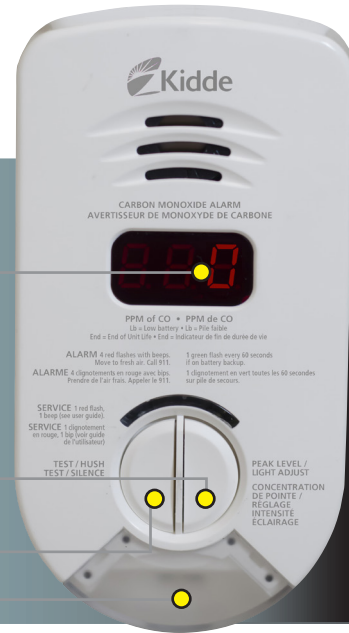
Digital Display

AC Plug-in Operated

10-Year Sealed Battery Backup

Peak Level Memory

Test/Hush Button



Description

The Kidde 900-0284CA (Model: KN-COP-DP-10YHCA) is a 120V AC powered, plug-in carbon monoxide alarm with sealed lithium battery backup and a digital display. The 900-0284CA is an easy to install unit that provides reliable protection against the dangers of carbon monoxide. The 10-year* sealed battery offers protection during power outages, prevents unwarranted removal of the battery, and eliminates the need for annual battery replacement.

The CREE® LED Nightlight turns on in low-light conditions and can be adjusted to ten different levels by pushing the peak level button, or turning off if needed. The ambient light sensor will automatically turn the night light on or off, depending on ambient light conditions, when connected to AC power.

The nightlight will brightly illuminate during alarm mode, helping those present to exit during dark conditions and when electrical power outages occur.

The digital display feature adds an advanced level of protection showing CO levels in PPM allowing you to see if levels change. The display will automatically adjust brightness level to adapt to ambient light conditions, giving a brighter display in lighted environments, while dimming to provide a visible, but softer contrast in dark conditions. The display deactivates when AC power is removed to conserve battery life.

The 900-0284CA is suitable for all living areas and has a 10-year limited warranty.

Features and Benefits

- **CREE® LED Nightlight** – Nightlight with adjustable brightness levels auto-activates during low light conditions, when connected to AC power. During alarm mode, the nightlight will brightly illuminate and can help people exit rooms during alarm situations, even during a power outage.
- **Digital Display** – Shows CO level in PPM (parts per million). No buttons to push! Continuous digital readout gives you peace of mind at-a-glance. LEDs provide clear daytime visibility that automatically dims in dark conditions.
- **AC Plug-in Operated** – Easy to install – just plug into an AC wall outlet.
- **10 Year Sealed Battery Backup** – Provides protection during power outages and does not need replacement during life of the alarm.
- **Peak Level Memory** – Displays the highest CO concentration measured since the last reset.
- **Test/Hush Button** – Tests the unit for proper operation. Resets the carbon monoxide alarm.
- **End of Life Notification** – This alarm will emit two beeps every 30 seconds and the digital display will display “END” after 10 years of operation, as required by CSA.



CSA-6-19-01

Architectural and Engineering Specifications

The carbon monoxide alarm shall be Kidde model number KN-COP-DP-10YHCA (P/N: 900-0284CA) or approved equal. It shall be powered by a 120V AC, 60Hz source along with a 3V sealed lithium battery backup. 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 CO sensor shall be of a fuel cell design and shall meet the sensitivity requirements of CAN/CSA 6.19-01 - Residential carbon monoxide alarming devices.

The alarm shall include an integral plug that can be installed in any outlet following the Manufacturer's recommended guidelines. The AC blades remain vertical independent of whether the electrical socket is mounted vertically or horizontally.

The unit shall incorporate a digital display that meets the sensitivity requirements of CAN/CSA 6.19-01. The display will identify the levels of CO in parts per million (ppm) once that level reaches 30ppm (i.e.: "abnormal" levels). The display will automatically dim in low light conditions, and will turn off when AC power is removed unless more than 100ppm is detected or in alarm mode.

The alarm shall include a CREE® LED Nightlight that turns on in low-light conditions and can be adjusted to ten different levels by pushing the peak level button, or turning off, if needed. The nightlight will automatically turn on or off, depending on ambient light conditions, when connected to AC power.

The nightlight will brightly illuminate during alarm mode, helping those present, to exit during dark conditions and when electrical power outages occur.

The alarm shall include a Test/Hush button. If pressed and released during normal operation, it shall electronically simulate the presence of CO and cause the unit to go into alarm. This sequence tests the unit's electronics to ensure proper operation. If pressed during alarm mode, the unit will be silenced and will begin monitoring CO levels again.

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:

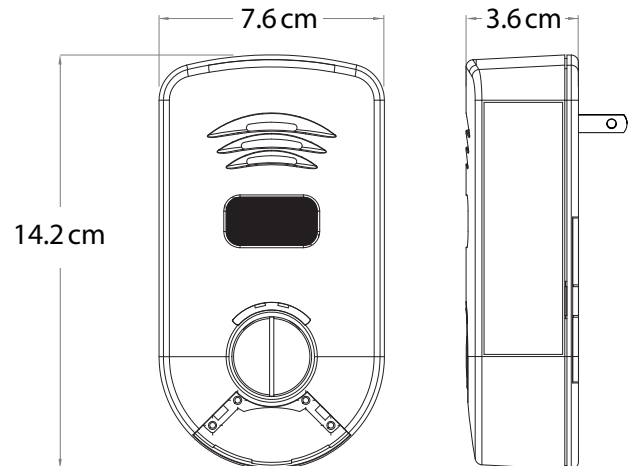
- 70 ppm CO Concentration 60 – 240 minutes
- 150 ppm CO Concentration 10 – 50 minutes
- 400 ppm CO Concentration 4 – 15 minutes

The alarm shall include 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. This pattern repeats as long as dangerous CO conditions exist. The red Alarm LED will flash the alarm pattern, the nightlight will illuminate, and the PPM will be displayed on the digital display.

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

Technical Specifications

| | |
|---------------------------|--|
| Power Source: | 120V AC, 60Hz, 90mA max per alarm, 3 V sealed lithium battery backup |
| Sensor: | 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 |
| Unit Size: | 7.6 cm width x 3.6 cm depth x 14.2 cm height |
| Unit Weight: | 0.24 kg |
| Interconnects: | No |
| Warranty: | 10-year limited |



Ordering Information

UPC: 0-47871-26380-6

| Part Number | 12 of 5 | Pack Quantity | Case Dimensions (w x d x h centimeters) | Case Weight | Case/Skid |
|-------------|-------------------|---------------|---|-------------|-----------|
| 900-0284CA | 100-47871-26380-3 | 6 units | 44.2 cm x 20 cm x 20.3 cm | 2.24 kg | 36 |



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