**CARBON MONOXIDE ALARM**

**Alarm Manual**

**SINGLE AND/OR MULTIPLE STATION**

This Kidde Carbon Monoxide Alarm is designed to detect carbon monoxide from any source of combustion and is suitable as a Single Station or Multiple Station (interconnect) Carbon Monoxide Alarm.

**WARNING:** This device is designed to protect individuals from acute effects of carbon monoxide in levels between 200 and 500 ppm. For maximum protection, this device should only be used in conjunction with Smoke Alarms or Carbon Monoxide Alarms. Carbon Monoxide Alarms should be mounted in or near bedrooms and living areas. It is recommended that a Kidde CO alarm be installed on each level of your home. When choosing your installation locations, make sure you position the alarm where it will be the most effective at detecting alarms.

**Illumination**

Front: Red

Back: Green

**LED Indicators**

- **Ambient**
  - Troubled or Initiating Alarm LED

- **Components**
  - Battery
  - Compartment
  - AC Connector Pins

**Specifications**

- **Power:** AC 120 V, 50/60 Hz, max. 10 mA. Optional 9 volt battery back-up
- **Electromechanical:** Operating range: 4°C to 50°C (39°F to 122°F)

**Recommended Installation Locations**

- Multi-Space: Interconnects directly with Kidde alarms

**Interconnection**

- Multi-Station Interconnects directly with Kidde alarms
- KN-COB, KN-COB-ICB-CA
- KN-COB-DM (on 12gauge household wire)
- KN-COB-DMCA
- KN-COB-DRMCA

**Installation**

**Locations to Avoid**

- Do not install near vents, flues, chimneys or any other openings to the outdoors.
- Do not install in direct sunlight.
- Do not install near ceiling fans, doors, windows or areas where air movement is present.
- Do not install near heating or cooling devices.
- Do not install near cooking appliances.
- Do not install near fans.
- Do not install where there is a risk of water or moisture damage.
- Do not install where there is the potential for condensation.
- Do not install in areas where the temperature is colder than 4°C (39°F) or higher than 50°C (122°F).

**Interconnecting**

- This device is designed to work with other Kidde CO alarms.

**Wiring**

- When connecting Kidde alarms which have battery back-up with other multiple CO alarm products, please refer to page 5. It is not recommended to connect with only one battery back-up.
- When connecting multiple alarms to this unit, it is recommended that you use a Kidde KN-COB alarm on each circuit.

**Installation with 18 Alarms Interconnected**

1. Connect the red wire of each alarm to the hot side of the A.C. source.
2. Connect the white wire of each alarm to the neutral side of the A.C. source.
3. Connect the green wire of each alarm to the ground source of the A.C. source.

**Recommended Use**

- Connect the red wire of each alarm to the hot side of the A.C. source.
- Connect the white wire of each alarm to the neutral side of the A.C. source.
- Connect the green wire of each alarm to the ground source of the A.C. source.

**Maintenance**

- Do not disassemble the alarm. If the alarm fails to operate, replace the battery and reset the alarm.

**Optional Accessory**

- KN-2020 (9 volt battery back-up)

**Certification**

- UL 2034
- UL 1051

**Accessories**

- KN-2020 (9 volt battery back-up)

**Information**

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**Use and Maintenance**

- Do not disassemble the alarm. If the alarm fails to operate, replace the battery and reset the alarm.

**Special Considerations**

- Special consideration should be given to the installation of this device. The device should be used as a substitute for proper installation, use and maintenance. This device should be used in conjunction with a properly maintained and installed carbon monoxide detection system. Please see the next section for further information.
Installation

• Plug the A.C. Quick-Connector into the back of the unit. (Figure 2)

• Install the alarm on the mounting plate and twist the alarm (see Figure 2), making sure that the lock on the connector snap into the unit.

• Push the excess wire through the hole in the cover. (Figure 2)

• To make this CO alarm somewhat tamper resistant, a tamper feature is included. Using the tamper resist feature will deter children and others from removing the alarm. To remove the alarm, press on the tamper feature button on the base. (Figure 3A and 3B)

Tamper Resist Feature

To remove the CO alarm tamper feature a tamper pull tab must be pulled. Pull Tab (yellow tab protruding from unit) completely out of the alarm. This will automatically connect the battery. (Figure 3B)

• Turn on the A.C. power. The green A.C. Power On Indicator (Figure 7) will illuminate on the base to indicate that the unit is operating properly. You should hear 4 quick beeps—followed by 5 seconds of silence. This is a normal AC operation pattern. The alarm is off. The red LED (Alarm) is not illuminated. (Figure 6)

• If the alarm is interconnected with other Kidde CO alarms, pull the pull tab on an interconnected smoke alarm, the CO alarm will sound a smoke/fire alarm pattern. (Figure 3B)

Battery Replacement

For alarms equipped with 9 V battery back-up, the 9 V battery must be supplied shortly before March 2023. Use of a different battery may have a detrimental effect on the alarm's operation. A rechargeable battery is not recommended. If the 9 volt battery is not rechargeable, it must be replaced every 10 years. If rechargeable batteries are used, the battery must be replaced every 3 years.

Carbon Monoxide (CO) Alarm Indicator

When the CO alarm senses a dangerous level of CO, the unit will sound a special alarm pattern. The pattern is 4 short beeps followed by 5 seconds of silence. This pattern is repeated as long as a dangerous CO level is sensed. (Figure 6)

To test the alarm, press the Test/Reset button. If the unit is operating properly, you should hear 4 quick beeps—followed by 5 seconds of silence. If the unit is not operating properly, you should hear a special alarm pattern (Figure 7). Only one of the patterns is produced (or combination of patterns) by each unit, depending on the condition. (Figures 6 and 7)

Testing

To test the alarm, press the Test/Reset button. If the unit is operating properly, you should hear 4 quick beeps—followed by 5 seconds of silence. If the unit is not operating properly, you should hear a special alarm pattern. The alarm pattern is 4 short beeps followed by 5 seconds of silence. This pattern is repeated as long as a dangerous CO level is sensed. (Figures 6 and 7)

WARNING: If at any time you test the alarm and it does not perform as described, have it replaced immediately. For alarms equipped with 9 V battery back-up, the 9 V battery must be supplied shortly before March 2023. Use of a different battery may have a detrimental effect on the alarm's operation. A rechargeable battery is not recommended.
**Maintenance**

**Battery Replacement**

After installing or changing the battery, reinstall your alarm. Test your alarm by using the Test/Reset button and alarm, and the alarm will not attach to the mounting plate. Check that the green "Power" LED is on.

**Carbon Monoxide Safety**

**Carbon Monoxide Alarms**

To disconnect the AC Quick-Connector harness, squeeze the locking arms on the sides while pulling the connector.

**Carbon Monoxide Alarms Procedures**

If the alarm sounds, rotate the 9V battery to check that it is still charged. If the battery is not charged, replace it with a new one.

**Carbon Monoxide Safety**

**Carbon Monoxide Alarms**

General CO Information

CO alarms use electrochemical sensors, which can be affected by moisture, dust, temperature, and other factors. When installed or replacing the battery, orient the battery as shown on the instructions provided on the inside of the battery door. When installing the battery, orient the battery compartment and install the battery (see Figure 4).

**Carbon Monoxide Alarms**

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**BATTERY REPLACEMENT**

**FIGURE 4**

1. Remove the alarm from the mounting plate by rotating the tab. Turn the unit over and remove the battery compartment and install the battery (see Figure 4).

**Battery Replacement**

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After installing or changing the battery, reinstall your alarm. Test your alarm by using the Test/Reset button and alarm, and the alarm will not attach to the mounting plate. Check that the green "Power" LED is on.
**Warranty**

**5 Year Limited Warranty**

Warranty Coverage: The manufacturer warrants to the original consumer purchaser, that this product (except battery) will be free of defects in material and workmanship for a period of five (5) years from date of purchase. The manufacturer’s liability hereunder is limited to replacement of the product, repair of the product or replacement of the product with repaired product at the discretion of the manufacturer. The warranty is void if the product has been damaged by accident, unreasonable use, misuse or neglect, tampering or other causes not arising from defects in material or workmanship. This warranty extends to the original consumer purchaser of the product only.

Warranty Disclaimers: Any implied warranties arising out of this sale, including but not limited to the implied warranties of description, merchantability and fitness for a particular purpose, are limited in duration to the above warranty period. In no event shall the Manufacturer be liable for loss of use of this product or for any indirect, special, incidental or consequential damages, or costs, or expenses incurred by the consumer or any other user of this product, whether due to a breach of contract, negligence, strict liability in tort or otherwise. The Manufacturer shall have no liability for any personal injury, property damage or any special, incidental, contingent or consequential damage of any kind resulting from gas leakage, fire or explosion. Some provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some provinces do not allow the exclusion or limitation of consequential or incidental damages, so the above limitations or exclusions may not apply to you.

Legal Remedies: This warranty gives you specific legal rights and you may also have other rights that vary from province to province.

The following conditions can result in transient CO situations:

- Excessive spillage or reverse venting of fuel-burning appliances caused by:
  - outdoor ambient conditions, such as wind direction and/or velocity, including high gusts of wind, and insufficient draft in the vent pipes;
  - negative pressure differential resulting from the use of exhaust fans;
  - simultaneous operation of several fuel-burning appliances competing for limited internal air;
  - loose vent pipe connections from fuel-fired appliances;
  - obstructions, or unconventional vent pipe designs that can amplify the above situations;
  - poorly designed or maintained chimneys and/or vents;
  - extended operation of unvented fuel-burning devices (range, oven, fireplace, etc.);
  - temperature inversions that can trap exhaust gasses near the ground;
  - car idling in an open or closed attached garage, or near a home.

To be safe, know the possible sources of CO in your home. Keep fuel-burning appliances and their chimneys and vents in good working condition. Learn early symptoms of exposure and be less reliant on your carbon monoxide alarm. If the first line of defense is an intelligent alarm and regular maintenance of your appliances. Contact a licensed contractor or call your local utility company for assistance.

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**Carbon Monoxide Safety**

**Warranty Performance:** During the above warranty period, your product will be repaired, replaced or refunded at the manufacturer’s discretion. To request warranty performance, contact Kidde Canada Inc., P.O. Box 40, Aspley, ON K0L 1A0, together with proof of purchase. Please include a note describing the problem and whether the product has been returned to Kidde. The replacement product will be warranted for the remainder of the original warranty period or for six months, whichever is longer. If the original warranty period is less than six months, no charge will be made for the replacement product. In the event your product is no longer available, the exchange will be on the return to the original place of purchase. If you have questions, call the Kidde Customer Service Department.

Important: Do not remove unit back cover. Back cover removal will void warranty.

Your Kidde Carbon Monoxide Alarm is not a substitute for property, disability, life or other insurance of any kind. Appropriate insurance coverage is your responsibility. Consult your insurance agent.

Also, Kidde makes no warranty, express or implied, including of merchantability or fitness for any particular purpose, with respect to the battery. The above warranty may not be altered except in writing signed by both parties hereto.

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Warranty Disclaimers: Any implied warranties arising out of this sale, including but not limited to the implied warranties of description, merchantability and fitness for a particular purpose, are limited in duration to the above warranty period. In no event shall the Manufacturer be liable for loss of use of this product or for any indirect, special, incidental or consequential damages, or costs, or expenses incurred by the consumer or any other user of this product, whether due to a breach of contract, negligence, strict liability in tort or otherwise. The Manufacturer shall have no liability for any personal injury, property damage or any special, incidental, contingent or consequential damage of any kind resulting from gas leakage, fire or explosion. Some provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Some provinces do not allow the exclusion or limitation of consequential or incidental damages, so the above limitations or exclusions may not apply to you.

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The following conditions can result in transient CO situations:

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  - outdoor ambient conditions, such as wind direction and/or velocity, including high gusts of wind, and insufficient draft in the vent pipes;
  - negative pressure differential resulting from the use of exhaust fans;
  - simultaneous operation of several fuel-burning appliances competing for limited internal air;
  - loose vent pipe connections from fuel-fired appliances;
  - obstructions, or unconventional vent pipe designs that can amplify the above situations;
  - poorly designed or maintained chimneys and/or vents;
  - extended operation of unvented fuel-burning devices (range, oven, fireplace, etc.);
  - temperature inversions that can trap exhaust gasses near the ground;
  - car idling in an open or closed attached garage, or near a home.

To be safe, know the possible sources of CO in your home. Keep fuel-burning appliances and their chimneys and vents in good working condition. Learn early symptoms of exposure and be less reliant on your carbon monoxide alarm. If the first line of defense is an intelligent alarm and regular maintenance of your appliances. Contact a licensed contractor or call your local utility company for assistance.

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