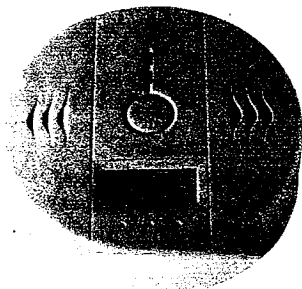


CARBON MONOXIDE ALARM USER'S MANUAL

Introduction

Thank you for purchasing the model # KT-X2 or # KT-X2D (with LCD) carbon monoxide alarm. This is one Single Station alarm. Please take a few minutes to thoroughly read this user's guide and save for future reference.

Product view



Features/Specification

Features:

- Loud 85 decibel alarm.
- Permanent carbon monoxide sensor.
- Powered by 2 AA size batteries.
- The alarm sound pattern is four short alarm beeps. The red LED will flash while in alarm mode.
- One 'chirp' every 40 seconds is an indication that the battery is low (need replacement).
- Test/Reset button to test the unit electronics and verifies proper unit operation and reset the unit during CO alarm.
- Alarm memory feature: If the unit ever alarms and during the period the button is not pressed, pressing the button, green LED will flash once every second for one minute and the peak alarm level will be indicated on the LCD (for KT-X2D).
- Green and red LED lights that indicate normal operation and alarm status.
- The unit will sound 'chirp' and red LED flashes once as power up.
- 3 digits LCD is optional. 'Lb' on the LCD indicates low battery (need replacement) and '999PPM' on the LCD to indicate CO level over 999ppm. In normal condition, LCD is not lit. It will be lit as test/reset button pressed and as CO concentration exceeds 30ppm. (for KT-X2D)
- In 1 minute after the batteries installed, the unit start to detect CO. The unit is of malfunction if the unit sounds all the time.

Green LED: The green LED flashes every 40 seconds to indicate the unit is operating properly.

Red LED: When a dangerous level of carbon monoxide is detected the red LED will flash and the alarm pattern will sound.

The CARBON MONOXIDE (CO) alarm monitors the air for the presence of CO. The alarm will sound and be accompanied by the flashing red LED light when there are high levels of CO present.

CAUTION: This alarm will only indicate the presence of monoxide at the sensor. Carbon monoxide gas may present at other area.

Specification:

Power Supply: 2 AA size batteries.
Sensitivity & Time: 50ppm, alarming within 90 minutes;
100ppm, alarming within 40 minutes;
300ppm, alarming within 3 minutes
Standby Current: <80uA;
Alarm Current: <80mA
Operation Ambient Condition: 5-40°C, 20-90%R.H.

Installation Instructions

Step 1

Installation Guide:

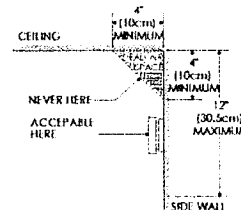
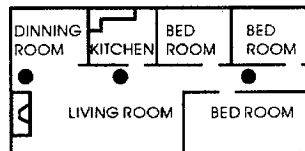
IMPORTANT: THIS ALARM MUST BE MOUNTED ON A WALL. INSTALL ONLY AS DETAILED!

A. Recommended Installation Locations:

We recommend the installation of a CO Alarm in the following locations. For maximum protection we suggest an alarm be installed on each level of a multilevel home including every bedroom, hallways, finished attics and basements. Put alarm at both ends of bedroom hallway or large room if hallway or room is more than 30ft.(9.1m) long. If you have only one alarm, ensure it is placed in the hallway outside of the main sleeping area, or in the main bedroom.

Verify the alarm can be heard in all sleeping areas.

Locate an alarm in every room where someone sleeps with the door closed. The closed door may prevent the alarm from waking the sleeper. Mounting the alarm on the ceiling in the center of the room places it closest to all points in the room. Ceiling mounting is preferred in ordinary residential construction. When mounting an alarm on the ceiling, locate it at a minimum of 4"(10cm) from the side wall (see Diagram A). If installing the alarm on the wall, at a minimum of 4"(10cm) and a maximum of 12"(30.5cm) below the ceiling (see Diagram below).



B. Where Not to Install:

Do not install in garages, kitchens, furnace rooms or bathrooms! INSTALL AT LEAST 15 FEET AWAY FROM ANY FUEL BURNING APPLIANCE.

Do not install within 3ft(0.9m) of the following: The door to a kitchen, or a bathroom that contains a tub or shower, forced air ducts used for heating or cooling, ceiling or whole house ventilating fans, or other high air flow areas. Avoid excessively dusty, dirty or greasy areas. Dust, grease or household chemicals contaminate the alarm's sensors, causing it to not operate properly. Place the alarm where drapes or other objects will not block the sensor. CO must be able to reach the sensors to accurately detect these conditions. Do not install in peaks of vaulted ceiling, 'A' frame ceilings or gabled roofs. Keep out of damp and humid areas.

Install at least one foot away from fluorescent lights, electronic noise may cause nuisance alarms. Extreme temperatures will effect the sensitivity of the CO Alarm. Do not install in areas where the temperature is colder than 40 degrees Fahrenheit (4.4 Celsius) or hotter than 100 degrees Fahrenheit (37.8 Celsius). Place away from doors and windows that open to the outside.

Step 2

Mounting Instructions:

1. Remove the mounting bracket from the back of the alarm by twisting the alarm, then pull out the tab between battery and battery contact to activate the battery.
2. After selecting the proper location for your CO Alarm, drilling two Ø5.0mm holes in the ceiling or wall vertically with the distance of 60mm and inserting two plastic roles into the holes, then attaching the bracket to the plastic role with the arrow down to the ground and screwing tightly two screws in the two roles.
3. Aligning the arrow on the back of the alarm with the arrow on the bracket, then snap the alarm on the bracket by twisting the alarm.

Step 3

Testing the Alarm

CAUTION: Due to the loudness (85 decibels) of the alarm, always stand an arms length away from the unit when testing.

The test/reset button has two purposes. It tests the unit's electronics and reset the unit during CO alarm. After installation, TEST THE UNITS ELECTRONICS by pressing the test button for five seconds. A series of beeps will sound.

The unit needs to be tested weekly! If at anytime it does not perform as described, verify power is connected correctly and that the battery doesn't need replacing. Clean dust and other buildup off the unit. If it still doesn't operate properly call our agent.

Operation Instructions

Test Feature

Pressing the test button for several seconds to test unit's electronics. The alarm will sound and LCD will be lit (for KT-X2D).

Reset Feature

If the alarm is sounding, pressing the button will silence the alarm for several minutes. After the duration, if the CO condition that caused the alert continues, the alarm will reactivate. If the CO level keeps from 70ppm to 200ppm, the duration is around 5 minutes. If the CO level keeps over 200ppm, the duration is zero, i.e. the unit will sound again soon. If the CO level keeps below 70ppm, the unit will not reactivate longer.

Alarm Memory Feature

If you leave home for long time and during the period the unit ever alarms, after you return and press the button for several seconds, green LED will flash once every seconds and the peak alarm level will be indicated on the LCD to