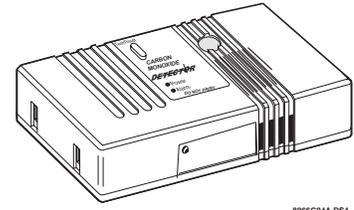


ITI/North American Sensor Carbon Monoxide Alarm

Document Number: 466-1551 Rev. D
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Installation Instructions

Product Summary

The Learn Mode CO Alarm detects hazardous levels of carbon monoxide gas. If dangerous concentrations of gas are present, the red indicator light of the CO turns on (see Figure 1), its internal siren activates, and it transmits an alarm signal within 15 seconds to the control panel. The panel activates its own sirens and reports the alarm to the central monitoring station (if the system is monitored).

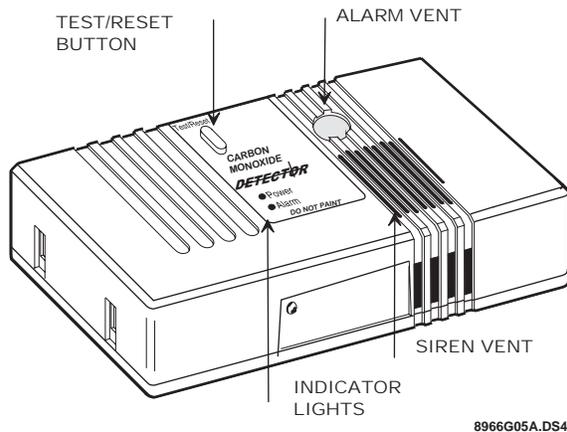


Figure 1. CO Alarm Features

The CO alarm indicator lights react to the status of the environment.

The green light indicates an ON or normal condition. This means the CO alarm has power and is sampling the air for the presence of CO gas.

The red light indicates an ALARM condition. This means the CO alarm is currently sensing hazardous levels of CO.

The internal siren activates while hazardous levels of CO are present, but may be silenced for 7 to 9 minutes by pressing the RESET button. *The area should be ventilated and all people and animals evacuated immediately.*



CAUTION

If the reset button is pressed within 15 seconds of the initial alarm, the CO detector will not transmit the alarm signal to the panel.

Note

Be sure to leave the Owner's Manual (the North American Sensor document) with the customer after installation. The manual contains important information on testing and maintaining the sensor. Inform the user that all product warranty issues must be resolved through the dealer and ITI.

Installation Guidelines

Use these guidelines for installing the CO alarm:

WARNING
Install the CO alarm only in outlets that *are not* controlled by a switch. Otherwise, the CO alarm can fail to warn occupants of dangerous gas levels if the outlet switch is turned off.

Do...

- follow the "Programming" procedure before installing the CO alarm.
- install CO alarms near bedrooms and on each level of the building, including the basement.
- perform a sensor test to confirm signal reception.

Do not install...

- CO alarms above or below heating vents.
- CO alarms above cooking surfaces or within 5 feet of open flame appliances.
- CO alarms next to windows, exterior doors, or in locations where furniture or draperies may block the unit.
- CO alarms near automobile exhaust pipes (doing so will damage the sensor).



CAUTION

The CO alarm measures the carbon monoxide gas levels only at its installed location. Dangerous levels of gas could still be present in other areas.



WARNING

The CO alarm is not a suitable smoke or fire detector and is not suitable for installation in hazardous locations as defined in the national electrical code.

Programming

The following steps describe the general guidelines for programming (learning) the CO alarm into control panel memory. Since each panel requires a different method for entering program mode, refer to the specific panel *installation instructions* or *reference manual* for complete details on entering program mode.

To add the CO alarm to panel memory:

- 1) Make sure the CO alarm unit **is not plugged in** at this time.

Note

The CO alarm must remain unplugged until step 6 of this procedure. Only within the first 67 seconds of power-up does the CO alarm send a signal the panel can learn.

- 2) Set the panel to program mode.
- 3) Proceed to the *LEARN SENSORS/ADD SENSORS* menu.
- 4) When the panel prompts you for a sensor group number, enter the appropriate group number based on the system panel. For Concord panels, enter group 34 (GAS); for all other ITI panels, enter group 29 (AUXILIARY).
- 5) Select the desired sensor number.
- 6) When the control panel prompts for sensor activation, plug in the CO alarm and wait 5 seconds (for the unit to stabilize), then press and hold the test button down for 5 to 7 seconds.



Hold one hand over the siren vent (see Figure 1) while holding the test button since the siren noise is very loud.

Note

Only within the first 67 seconds of power-up does pressing the CO alarm test button send a signal the panel can learn. If the panel does not acknowledge learning or receiving the signal within 67 seconds, unplug the CO alarm for about 10 seconds and repeat step 6.

Refer to the "Troubleshooting" section if the panel still does not acknowledge receiving the signal.

- 7) Exit program mode.

Installing the CO Alarm

After successful programming, install the CO alarm at its intended location as described below.

To install the CO alarm:

- Using the installation guidelines described earlier, plug the CO alarm into the lower socket of an electrical outlet at the desired location. The green power light should turn on.

For maximum protection, allow one hour for the unit to initialize after installation.

Note

If the power light does not turn on, unplug the unit and refer to the "Troubleshooting" section.

Testing the CO Alarm with the Control Panel

The following steps describe the general guidelines for testing the CO alarm. Refer to the specific panel *installation instructions* or *reference manual* for complete testing details.



Use the TEST/RESET button to test the CO alarm. Do not attempt to produce carbon monoxide.

- 1) Wait at least 10 minutes after installation to test the CO alarm.
- 2) Make sure the green power light is on.
- 3) Set the panel to the sensor test mode.
- 4) Unplug the CO alarm for about 10 seconds.
- 5) Plug in the CO alarm, wait 5 seconds, then press and hold the TEST/RESET button for 5-7 seconds. The unit should beep and the red alarm light should flash.

Note

Intermittent beeps and flashing green and red lights indicate the CO alarm is malfunctioning. Refer to the "Troubleshooting" section.

- 6) Listen for the appropriate beeps (varies by panel) from interior sirens before releasing the test button.

Exit from sensor test mode by entering the disarm command.

Training the User

After installing the CO alarm, leave the *Owner's Manual* (the North American Sensor document) with the user and instruct the user to follow this procedure in the event of an alarm.

- 1) Evacuate the premises immediately.
- 2) Account for all occupants.
- 3) Call the fire department from another location.



Do not re-enter the building until the source of carbon monoxide has been located and the problem is corrected by a qualified technician.

Troubleshooting

This section describes what action to take if you experience difficulty programming, installing, or testing the CO alarm.

If the green power indicator light does not turn on when the unit is plugged in...

- 1) Make sure the outlet the unit is plugged into is not controlled by a switch. Move the unit to a different (unswitched) outlet.
- 2) Check the outlet for the correct AC voltage using a voltmeter. If the meter reads 0 volts, replace any blown fuse or reset the breaker switch at the main electrical panel.
- 3) Contact ITI Technical Support at 1-800-777-2624 if steps 1 and 2 above don't resolve the problem.

If the panel does not learn the unit...

- 1) Make sure the unit has not been plugged in more than 67 seconds before pressing and holding the test button prior to the learning attempt. Unplug the unit for about 10 seconds and retry learning.
- 2) Make sure the outlet the unit is plugged into is providing AC voltage.

Note

If the unit sounds intermittent beeps and the green and red lights flash, the CO alarm is malfunctioning. Contact ITI Technical Support at 1-800-777-2624.



Do not attempt to repair the CO alarm unit.

Specifications

Panel Compatibility: CareTaker *Plus*, Commander 2000, Concord, Simon, UltraGard

Power Supply: 120 VAC @ 60 Hz, 7W

Operating Voltage: 102-132 VAC

Operating Temperature: 40°F to +100°F (4.4–37.8°C)

Average Standby Power: 2.5 Watts

CO alarm Level:

- 00 PPM. Activates in less than:
- 15 minutes @ 400 PPM
- 35 minutes @ 200 PPM
- 90 minutes @ 100 PPM

CO alarm Dimensions: 6.5" x 3.5" x 1.5"

CO alarm Sound Level: Continuous 85 dBA @ 10 ft. for a minimum of 4 minutes

Gases NOT Detected: Methane; Butane; Heptane; Ethyl Alcohol; Isopropyl Alcohol; Carbon Dioxide; Propane

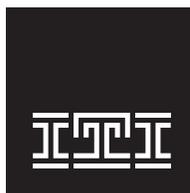
Notices

This device complies with FCC Rules Parts 15 and 68. Operation is subject to the following two conditions:

This device may not cause harmful interference.

This device must accept any interference that may be received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by Interactive Technologies, Inc. can void the user's authority to operate the equipment.



W I R E L E S S

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Automation
Access Control

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