



2024 Ontario Building Code Info Sheet

Carbon Monoxide Alarms – 9.32.3.9 OBC

Location Requirements:

A carbon monoxide alarm shall be installed in a suite of residential occupancy where:

- **a.** A fuel-burning appliance or a flue is installed in the suite,
- **b.** A forced-air fuel-burning appliance provides heated air directly to the suite,
- **c.** A fuel-burning appliance or a flue is located in a room, suite, or area that shares a common wall, floor, or ceiling assembly with the suite, or
- **d.** A storage garage shares a common wall, floor, or ceiling assembly with the suite.

The carbon monoxide alarm required above shall be installed:

- Adjacent to each sleeping room, and
- On each storey without a sleeping room in the suite.

If there is a combined living and sleeping area, a carbon monoxide alarm shall be installed.

In addition to the above-noted locations, a carbon monoxide alarm shall be installed in each sleeping room where the sleeping room:

- **a.** Contains a fuel-burning appliance or a flue, or
- **b.** Shares a common wall, floor, or ceiling assembly with:
 - **i.** A room, suite, or area that contains a fuel-burning appliance or a flue,
 - **ii.** A storage garage, or
 - **iii.** An attic or crawl space adjacent to the storage garage.

Public corridors serving suites of residential occupancy shall have a carbon monoxide alarm installed when the corridor is directly heated by a forced-air fuel-burning appliance. There shall be at least one carbon monoxide alarm in each portion of a divided corridor, and in an undivided portion of the corridor, spaced no more than 25 meters apart.

Service rooms that are not located within a suite of residential occupancy and contain a fuel-burning appliance for building services or laundry drying equipment shall have a carbon monoxide alarm.



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Installation and Conformance Standards:

Required carbon monoxide alarms shall be:

- Permanently connected to an electrical circuit with no disconnect switch, and
- Have a battery that can provide power for no less than 8 hours in the standby condition, followed by the operation of the alarm for at least 12 hours.

The carbon monoxide alarm shall have:

- A visual signaling component, and
- Be audible within sleeping rooms when the sleeping room door is closed, with the alarm located adjacent to the sleeping room.

The carbon monoxide alarm shall conform to:

- **i.** CAN/CSA-6.19, "Residential Carbon Monoxide Alarming Devices," or
- **ii.** UL 2034, "Single and Multiple Station Carbon Monoxide Alarms."

The visual signaling component need not be battery-operated or integrated into the carbon monoxide alarm but must be interconnected to it.

Carbon monoxide alarms shall be wired so that:

- **i.** Activation of one carbon monoxide alarm within a suite of residential occupancy will activate all carbon monoxide alarms within the suite,
- **ii.** Activation of one carbon monoxide alarm within a house with a secondary suite will activate all carbon monoxide alarms within the house, including their common spaces, and
- **iii.** Activation of one carbon monoxide alarm located in a public corridor serving suites of residential occupancy will activate all carbon monoxide alarms within the corridor.

Required carbon monoxide alarms shall be installed at the manufacturer's recommended height or, in the absence of specific instructions, on or near the ceiling.

Installation in Residential Suites

Where to install:

- Sleeping rooms **adjacent to a garage**
- **Adjacent to each sleeping room**
- **On each storey** without a sleeping room
- In the **main area** of a bachelor's suite
- **Sleeping rooms** containing or adjacent to a suite/area that contains a fuel-burning appliance or flue
- **Sleeping rooms** adjacent to an attic or crawl space that is adjacent to a garage.

