



## Smoke & Carbon Monoxide Alarms in Residential *Single-Family Dwellings (Dwelling Unit)*

General Summary of National Building Code of Canada(2010) requirements:

### **Smoke Alarms are required within dwelling units:**

- In each bedroom,
- In the hallway outside the bedroom and
- At least one on each level in the main areas including basements.

For new construction, the alarms are to be interconnected, hard-wired with battery back-up.

Smoke alarms located in main area of the basement should be installed near the stairs when possible.

Smoke Alarms to conform to CAN/ULC-S531 “Smoke Alarms”

Smoke Alarms installation to conform to CAN/ULC-S553 “Installation of Smoke Alarms”

**Refer to the manufacturer’s installation instructions for each model**

### **Carbon Monoxide Alarms are required in every building that contains a residential occupancy:**

- In a room or service room that contains a fuel-burning appliance (including but not limited to; Coal, Wood (stove, furnace, fireplace), Wood Products (Pellets, sawdust, etc), Charcoal, Oil, Kerosene, Propane, Natural Gas)
- In each bedroom or within 5m (16’) of each bedroom door. (when there is a fuel-burning appliance or attached garage)

For new construction, hard-wired alarms should be used and interconnected with the smoke alarms where possible.

Carbon Monoxide Alarms to conform to CAN/CSA-6.19 “Residential Carbon Monoxide Alarming Devices”

**Refer to the manufacturer’s installation instructions for each model**

### **Where NOT to Install a Carbon Monoxide Alarm**

Some locations may interfere with the proper operation of the alarm and may cause false alarms or trouble signals.

Carbon Monoxide alarms should not be installed in the following locations:

- In an area where the temperature may drop below 4.4°C (40°F) or exceed 37.8°C (100°F).
- Near paint thinner fumes or household cleaning products.
- Within 1.5m (5 feet) of any cooking or open flame appliances such as furnaces, stoves and fireplaces.
- In exhaust streams from gas engines, vents, flues or chimneys.
- In close proximity to an automobile exhaust pipe (garage); this will damage the detector.

### **Combination Smoke and Carbon Monoxide Alarms**

Combination Smoke/Carbon Monoxide units may be used in place of individual units- if used outside bedrooms the combination unit is to be located within 5m (16’) of the bedroom doors.

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For full information refer to Part 9 of the National Building Code of Canada 2010

Section: 9.10.19 (Section: A-9.10.19.3) Smoke Alarms

Section: 9.32.3.9 (Section: A-9.32.3.9) Carbon Monoxide Alarms

**For more information or if you have questions, please contact**

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*This pamphlet has no legal status and cannot be used as an official interpretation of the various codes and regulations currently in effect.*

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City Of Summerside-Technical Services