



Carbon Monoxide Alarms

IRC 2018

R315.2.1 Carbon Monoxide Alarms:

For New Construction, carbon monoxide alarms shall be provided in dwelling units where either or both of the following conditions exist:

- Dwelling unit contains a fuel-fired appliance
- Dwelling unit has an attached garage with an opening that communicates with the dwelling unit

R315.2.2 Alterations, repairs & additions:

Where alterations, repairs or additions requiring a permit occur, the individual dwelling unit shall be equipped with carbon monoxide alarms located as required for new dwellings.

Exceptions:

- *Work involving the exterior surfaces of dwellings (i.e. roofing, siding, windows, doors, deck, porch, etc.)*
- *Installation, alteration or repairs of plumbing or mechanical systems*

R315.3 Location:

- Carbon monoxide alarms shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms
- Where fuel-burning appliance is located within a bedroom or its attached bathroom, a carbon monoxide alarm shall be installed within the bedroom

R315.4 Combination alarms:

Combination carbon monoxide & smoke alarms shall be permitted to be used in lieu of carbon monoxide alarms.

R315.6 Power source:

Carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and, where primary power is interrupted, shall receive power from a battery. Wiring shall be permanent & without disconnecting switch other than those required for overcurrent protection.

Exceptions:

- *C.O. alarms shall be permitted to be battery operated where installed in buildings without commercial power*
- *In accordance with Section R315.2.2 shall be permitted to be battery powered*

R315.7 Carbon monoxide detection systems:

Carbon monoxide detection systems shall be permitted in lieu of carbon monoxide alarms, complying with the following:

- Compliance with NFPA 720 & shall be listed in accordance with UL 2075
- C.O. detectors shall be installed in the locations specified in Section R315.3
- It shall become a permanent fixture of the occupancy, owned by the homeowner
- Combination CO & smoke detectors shall be permitted in lieu of C.O. detectors, provided that they are listed in accordance with UL 2075 & UL 268