



Rancho Palos Verdes Building & Safety Division CARBON MONOXIDE ALARM REQUIREMENTS

R315.1 Carbon Monoxide Alarms

The 2010 California Residential Code R315.1 requires carbon monoxide alarms in new dwellings and in existing dwellings when work requiring a permit takes place. An approved carbon monoxide alarm shall be installed outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units within which fuel-fired appliances are installed and in dwelling units that have attached garages.

R315.2 Where required in existing dwellings: *(See diagram on reverse)*

Where a permit is required for alterations, repairs or additions exceeding \$1000, existing dwellings or sleeping units that have attached garages or fuel-burning appliances shall be provided with a carbon monoxide alarm in accordance with Section R315.1. Carbon monoxide alarms shall only be required in the specific dwelling unit or sleeping unit with the permit is obtained.

R315.3 Alarm requirements:

Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions.

R315.1.2 Interconnection:

When more than one carbon monoxide alarm is required to be installed within the dwelling unit or within a sleeping unit the alarm shall be interconnected in a manner that activation of one alarm shall activate all of the alarms in the individual unit.

Exception:

1. *Interconnection is not required in existing dwelling units where repairs do not result in the removal of wall and ceiling finishes, there is no access by means of attic, basement or crawl space, and no previous method for interconnection existed.*

R315.1.1 Power Supply:

For new construction, the required carbon monoxide alarms shall receive their primary power from the building wiring where such wiring is served from a commercial source and shall be equipped with a battery back-up. Alarm wiring shall be directly connected to the permanent building wiring without a disconnection switch other than as required for over-current protection.

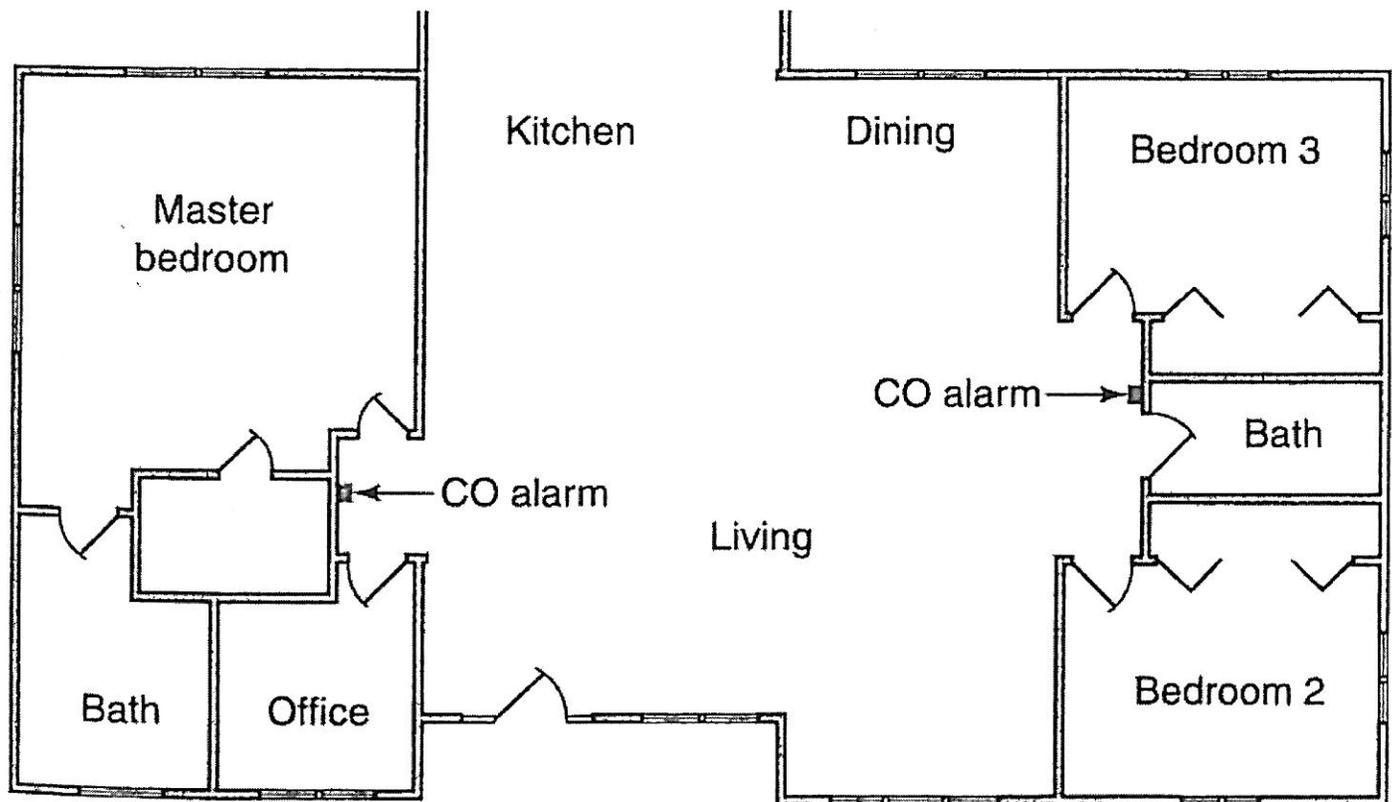
Exceptions:

1. *In dwelling units where there is no commercial power supply the carbon monoxide alarm may be solely battery operated.*
2. *In existing dwelling units a carbon monoxide alarm power supply is permitted to be solely battery operated where repairs or alterations do not result in the removal of wall and ceiling finishes or there is no access by means of an attic, basement or crawl space.*

R315.3.1 Multiple-Purpose Alarms:

Carbon monoxide alarms combined with smoke alarms shall comply with section R315, all applicable standards, and requirements for listing and approval by the Office of the State Fire Marshall for smoke alarms.

Carbon Monoxide Diagram



Carbon monoxide (CO) alarm installed in the immediate vicinity of each sleeping area