

DEVELOPMENT SERVICES DEPARTMENT

COUNTY OF EL DORADO

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Smoke Alarm/Carbon Monoxide California Residential Code Requirements As of January 1, 2011

In addition to the installation of UL 217 listed smoke alarms that are already required, a carbon monoxide alarm shall be required to be installed for alterations, repairs, or additions exceeding one thousand dollars (\$1,000) as well as in existing dwellings or sleeping units that have attached garages or fuel-burning appliances. (R314.6.2, R315.1)

Locations

Carbon monoxide alarms shall be installed in the following locations (R315.3):

1. Outside of each separate dwelling unit sleeping area in the immediate vicinity of the bedroom(s).
2. On every level of a dwelling unit including basements.

Smoke alarms shall be installed in the following locations (R314.3):

1. In each sleeping room.
2. Outside each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements and habitable attics.

Power source

Both smoke & carbon monoxide alarms shall receive their primary power from the building wiring system, provided that such wiring is served from a commercial source. Alarms shall be equipped with a battery backup (R314.4).

Exceptions:

1. Smoke/Carbon Monoxide alarms are permitted to be solely battery operated in existing buildings where no construction is taking place.

R314.5, R315.1.2 Interconnection

Where more than one alarm is required to be installed within an individual dwelling or sleeping unit, the alarms shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit.

Exceptions:

1. Interconnection is not required in portions of buildings that are not undergoing alterations, repairs or construction of any kind.