



## Smoke & Carbon Monoxide Alarm Installation

(valuation of work exceeds \$1000.00)

JOBSITE ADDRESS	PERMIT RB
PERMITTEE	PROPERTY OWNER
ADDRESS	ADDRESS
CITY/STATE	CITY /STATE
TELEPHONE	NUMBER OF UNITS

*I certify that carbon monoxide and smoke alarms for this residential occupancy are installed throughout the premises in accordance with 2010 California Residential Building Code sections R314 & R315, (see pages 2 & 3) and the manufacturer's instructions.*

\_\_\_\_\_  
CERTIFIER'S NAME (PRINTED)

\_\_\_\_\_  
CERTIFIER'S SIGNATURE

\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_  
DATE

Owner       Owner's Agent       Permittee



# Smoke & Carbon Monoxide Alarm Installation

(valuation of work exceeds \$1000.00)

## SECTION R314 SMOKE ALARMS

### R314.1 Smoke detection and notification.

All smoke alarms shall be listed in accordance with UL 217 and installed in accordance with the provisions of this code and the household fire warning Equipment provisions of NFPA 72. Systems and components shall be California State Fire Marshall listed and approved in accordance with California Code of Regulations, Title 19, Division I for the purpose for which they are installed.

### R314.2 Smoke detection systems.

Household fire alarm systems installed in accordance with NFPA 72 that include smoke alarms, or a combination of smoke detector and audible notification device installed as required by this section for smoke alarms, shall be permitted. The household fire alarm system shall provide the same level of smoke detection and alarm as required by this section for smoke alarms. Where a household fire warning system is installed using a combination of smoke detector and audible notification device(s); it shall become a permanent fixture of the occupancy and owned by the homeowner. The system shall be monitored by an approved supervising station and be maintained in accordance with NFPA 72.

Exception: Where smoke alarms are provided meeting the requirements of Section R314.4

### R314.3 Location.

Smoke alarms shall be installed in the following locations:

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, but not including crawl spaces and uninhabitable attics. In dwellings or dwelling units with split levels and without an intervening door between the adjacent levels, a smoke alarm installed on the upper level shall suffice for the adjacent lower level provided that the lower level is less than one full story below the upper level. When more than one smoke alarm is required to be installed within an individual dwelling unit the alarm devices shall be interconnected in such a manner that the actuation of one alarm will activate all of the alarms in the individual unit.

### R314.3.1 Alterations, repairs, and additions.

When alterations, repairs or additions requiring a permit occur, or when one or more sleeping rooms are added or created in existing dwellings, the individual dwelling unit shall be equipped with smoke alarms located as required for new dwellings. Exceptions: See Section R314.6

### R314.4 Power source.

Smoke alarms shall receive their primary power from the building wiring provided that such wiring is served from a commercial source and shall be equipped with a battery backup. Smoke alarms with integral strobes that are not equipped with battery backup shall be connected to an emergency electrical system. Smoke alarms shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than as required for overcurrent protection.

Exceptions:

1. Smoke alarms are permitted to be solely battery operated in existing buildings where no construction is taking place.
2. Smoke alarms are permitted to be solely battery operated in buildings that are not served from a commercial power source.
3. Smoke alarms are permitted to be solely battery operated in existing areas of buildings undergoing alterations or repairs that do not result in the removal of interior walls or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for building wiring without the removal of interior finishes.

### R314.5 Interconnection.

Where more than one smoke alarm is required to be installed within an individual dwelling or sleeping unit, the smoke alarm shall be interconnected in such a manner that the activation of one alarm will activate all of the alarms in the individual unit. The alarms shall be clearly audible in all bedrooms over background noise levels with all intervening doors closed.

Exceptions:

1. Interconnection is not required in buildings that are not undergoing alterations, repairs or construction of any kind.
2. Smoke alarms in existing areas are not required to be interconnected where alterations or repairs do not result in the removal of interior wall or ceiling finishes exposing the structure, unless there is an attic, crawl space or basement available which could provide access for interconnection without the removal of



# Smoke & Carbon Monoxide Alarm Installation

(valuation of work exceeds \$1000.00)

---

## SECTION R315

### CARBON MONOXIDE ALARMS

#### R315.1 Carbon Monoxide Alarms.

For new construction, an approved carbon monoxide alarm shall be installed in dwelling units and sleeping units within which fuel-burning appliances are installed and in dwelling units that have attached garages.

**R315.1.1 Power supply.** For new construction 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 disconnecting switch other than as required for overcurrent 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 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 attic, basement or crawl space.

**R315.1.2 Interconnection.** Where 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.

**R315.2 Where required in existing dwellings.** Where a permit is required for alterations, repairs or additions exceeding one thousand dollars (\$1,000), 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 for which the permit was obtained.

#### R315.3 Alarm requirements.

Single- and multiple-station carbon monoxide alarms shall be listed as complying with the requirements of UL 2034. Carbon monoxide detectors shall be listed as complying with requirements of UL 2075. Carbon monoxide alarms and carbon monoxide detectors shall be installed in accordance with this code, the current edition of NFPA 720 standard for the Installation of Carbon Monoxide (CO) Detection and Warning Equipment and the manufacturer's installation instructions. Other carbon monoxide alarm and detection devices as recognized in NFPA 720 are also acceptable.

Carbon monoxide alarms required by Section R315.1 and R315.2 shall be installed in the following locations:

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

#### R315.3.1. Multiple-purpose alarms.

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