



# Town of Paradise

## Development Services

5555 Skyway Paradise CA 95969  
(530) 872-6291 Fax (530)877-5059

[www.townofparadise.com](http://www.townofparadise.com)

## **Guidelines for Smoke Detector replacement** **2013 California Residential Code §R314**

***Smoke alarm placement.*** Smoke alarms shall be tested and maintained in accordance with the manufacturer's instructions. Smoke alarms that no longer function shall be replaced. Smoke alarms installed in residential dwellings shall be replaced after 10 years from date of manufacture marked on the unit, or if the date of manufacture cannot be determined.

***Smoke alarms.*** Conventional smoke alarms that are solely battery powered shall be equipped with a ten-year battery and have a silence feature. Every smoke alarm shall be listed by the California State Fire Marshal and comply with ANSI/UL217.

### ***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.

### ***Specific location requirements:***

1. Smoke alarms and smoke detectors shall not be located where ambient conditions including humidity and temperature are outside the limits specified by the manufacturer's published instructions.
2. Smoke alarms and smoke detectors shall not be located within unfinished attics or garages or in other spaces where temperatures can fall below 40<sup>0</sup>F or exceed 100<sup>0</sup>F.
3. Where the mounting surface could become considerably warmer or cooler than the room, such as a poorly insulated ceiling below an unfinished attic or an exterior wall, smoke alarms and smoke detectors shall be mounted on an inside wall.
4. Smoke alarms and smoke detectors shall be installed a minimum 20 feet horizontal distance from a permanently installed cooking appliance.
5. Installation near bathrooms. Smoke alarm and smoke detectors shall be installed not less than a 3 foot horizontal distance from the door or opening of a bathroom that contains a bathtub or shower unless this would prevent placement of a smoke alarm.



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6. Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the supply registers of a forced air heating or cooling system and shall be installed outside of the direct airflow from those registers.
7. Smoke alarms and smoke detectors shall not be installed within a 36 in. (910 mm) horizontal path from the tip of the blade of a ceiling-suspended (paddle) fan.
8. Where stairs lead to other occupied levels, a smoke alarm or smoke detector shall be located so that smoke rising in the stairway cannot be prevented from reaching the smoke alarm or smoke detector by an intervening door or obstruction.
9. For stairways leading up from a basement, smoke alarms or smoke detectors shall be located on the basement ceiling near the entry to the stairs.
10. For tray-shaped ceilings (coffered ceilings), smoke alarms and smoke detectors shall be installed on the highest portion of the ceiling or on the sloped portion of the ceiling within 12 in. (300 mm) vertically down from the highest point.