



RESIDENTIAL SMOKE DETECTORS

R313 Smoke Alarms.

R313.2 Smoke alarm location.

Smoke alarms shall be installed in the following locations:

1. In each sleeping room.
2. Outside of each separate sleeping area in the immediate vicinity of the bedrooms.
3. On each additional story of the dwelling, including basements and cellars but not including crawl spaces and uninhabitable attics. In 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 level is less than one full story below the upper level.

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. All detectors shall be listed in accordance with UL 217 and installed in accordance with the IRC, the household fire warning equipment provisions of NFPA 72 and the approved manufacturer's instructions.

R313.2.1 Alterations, repairs and additions.

When interior 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 provided with smoke alarms located as required for new dwellings; the smoke alarms shall be interconnected and hard wired.

Exceptions:

1. Smoke alarms in existing areas shall not be required to be interconnected and hard wired where the 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 hard wiring and interconnection without the removal of interior finishes.
2. Repairs to the exterior surfaces are exempt from the requirements of this section.
3. Alterations or repairs to plumbing, electrical and mechanical are exempt from the requirements of this section.

313.3 Power Source.

In new construction, required smoke detectors shall receive their primary power from the building wiring when such wiring is served from a commercial source and shall be equipped with a battery backup. The detector shall emit a signal when the batteries are low. Wiring shall be permanent and without a disconnecting switch other than those required for over current protection. Smoke detectors shall be permitted to be battery operated in buildings without commercial power; or in buildings, which undergo alterations, repairs or additions regulated by Section R313.2.1.

RESIDENTIAL SMOKE DETECTOR REQUIREMENTS

There is no permit required for a smoke detector.