



City of Cedar Falls
Department of Community Development
Inspection Services Division
268-5161

Smoke/CO Detector Requirements

2015 International Residential Code

When alterations, repairs, or additions requiring a permit occur, the dwelling shall be equipped with smoke and carbon monoxide alarms as required for new dwellings. Work on the exterior only (ie. roofing, decks, detached structures, window and door installation, etc.) is exempt from this requirement.

Detectors installed in areas where the wall or ceiling framing is accessible, including basements, shall be 120-volt direct wired and interconnected. Detectors installed in areas where the interior wall and ceiling finish is not disrupted may be battery operated with wireless interconnection. Existing detectors can remain provided proper operation.

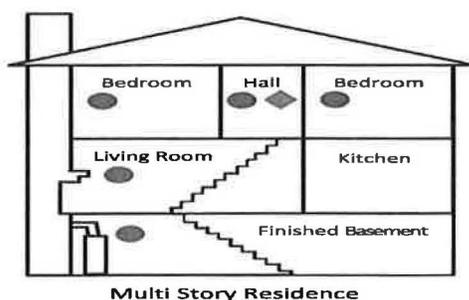
The State Fire Marshal requires any newly installed detector to be "dual-sensor". For smoke detectors this means both photoelectric and ionization detection, a combination smoke/CO detector also satisfies this requirement.

Smoke detectors shall be installed in the following locations:

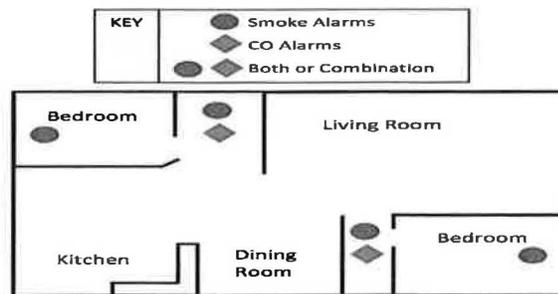
1. In every sleeping room
2. Outside each sleeping area, in the immediate vicinity of the sleeping rooms
3. On each individual story of the dwelling including basements and habitable attics. For split foyer style homes without a door separating the levels, a detector in the upper level meets this requirement provided there is less than a full story between levels

Carbon Monoxide detectors shall be installed in the following locations:

1. Outside each sleeping area, in the immediate vicinity of the sleeping rooms
2. Inside any sleeping room that contains a fuel-fired appliance (gas fireplace) or a sleeping room that has an attached bathroom containing a fuel-fired appliance



Multi Story Residence



Single Story Residence