

R315.1 Carbon monoxide alarms/systems Warning Equipment. For new construction, an approved single-station carbon monoxide alarm ~~or household carbon monoxide detection system~~ shall be installed. ~~outside of each separate sleeping area in the immediate vicinity of the bedrooms in dwelling units.~~ Household carbon monoxide detection systems, that include carbon monoxide detectors and audible notification appliances shall be permitted. Carbon monoxide ~~signal/initiating devices~~ alarms or carbon monoxide detectors shall be located in each bedroom or within 15 feet outside of each bedroom door. ~~within which fuel-fired appliances are installed and in dwelling units that have attached garages.~~ Bedrooms on separate floor levels in a structure consisting of two or more stories, shall have separate carbon monoxide alarms serving each story.

Comment [E1]: The term CO Warning Equipment is found in section 3.3.5 of the 2009 edition of NFPA 720. CO Warning Equipment: Any detector, alarm, device, or material related to single- and multiple-station alarms or household carbon monoxide detection systems.

Comment [E2]: The term carbon monoxide "signal" is incorrect. A "signal" is a status indication not a device.

R315.2 Alarm requirements.

R315.2.1 Single station alarm requirements. Single station carbon monoxide alarms shall be listed as complying with UL 2034 and shall be installed in accordance with this code and the manufacturer's installation instructions and NFPA 720. Where more than one carbon monoxide alarm is required to be installed within a dwelling unit they shall be interconnected in such a manner that the activation of one carbon monoxide alarm shall activate all of the carbon monoxide alarms/detectors in the dwelling unit.

R315.2.2 Household carbon monoxide detection system requirements. ~~Household carbon monoxide detection systems, that include carbon monoxide detectors and audible notification appliances, installed and maintained in accordance with this section for carbon monoxide alarms and NFPA 720 shall be permitted.~~ The carbon monoxide detectors shall be listed as complying with UL 2075 and shall be installed in accordance with this code and the manufacturer's installation instructions and NFPA 720.

Comment [E3]: This sentence is address in section R315.1 therefore is redundant.

Optional Text:

Where a household carbon monoxide detection system is installed it shall become a permanent fixture of the occupancy owned by the homeowner ~~and shall be monitored by an approved supervision station.~~

Comment [E4]: I agree the monitoring requirement is excessive. However the requirement for the system to be owned by the homeowner is reasonable and should remain.

R315.3 Power Source.

R315.3.1 Carbon Monoxide Alarms. Required single- or multiple-station carbon monoxide alarms shall receive their power by one of the following means:

1. Carbon monoxide alarms shall be battery-powered, plug-in with battery backup, or receive their primary power from the building wiring when such wiring is served from a commercial source with secondary power backup and without a disconnecting switch other than those required for overcurrent protection.
2. Carbon monoxide alarms that are battery-powered or plug-in with battery backup shall not be permitted in new construction.

~~Single-station carbon monoxide alarms shall be battery operated, or receive their primary power source from the building wiring system.~~ Plug in devices securely fastened to the structure and installed in accordance with the manufacturer's installation instructions are deemed to satisfy this requirement.

R315.3.2 Carbon Monoxide Detection Systems. Required power supply sources for household carbon monoxide detection systems shall be in accordance with NFPA 720.

R315.4 Where required in existing dwellings. Where work requiring a permit occurs in existing dwellings ~~that have attached garages or in existing dwellings within which fuel-fired appliances exist,~~ carbon monoxide alarms shall be provided in accordance with Section R315.1.

Exception: Work involving the exterior surfaces of dwellings, such as the replacement of roofing or siding, or the addition or replacement of windows or doors, or the addition of a porch or deck, are exempt from the requirements of this section.

Comment [E5]: I agree with adding this exception as it is reasonabl.