



Harvard Fire Department



Guidelines For Smoke and Carbon Monoxide Alarm Requirements One and Two Family Dwellings

Year Built or Substantially Modified*	Before 1975	1975 - 8/27/97	8/27/97 - 2007	1/2008 - 2/2011	2/2011 - Present
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*Substantially Modified means 50% or more of the house remodeled to studs **OR** adding or creating a sleeping area (bedroom)

Smoke Detector Power Supply

Battery Operated	Allowed	Not Allowed	Not Allowed	Not Allowed	Not Allowed
Hardwired, Interconnected	Recommended	Required	Not Allowed	Not Allowed	Not Allowed
Hardwired, Interconnected w/battery back-up	Recommended	Recommended	Required	Required	Required

Type of Smoke Alarm Technology

Outside 20 feet of kitchen or full bathroom	Photoelectric with 10-year, sealed, non-rechargeable, non-replaceable battery	Photoelectric OR Ionization If installed prior to Dec. 2016, Photoelectric ONLY if installed after 2016	Photoelectric OR Ionization If installed prior to Dec. 2016, Photoelectric ONLY if installed after 2016	Photoelectric OR Ionization If installed prior to Dec. 2016, Photoelectric ONLY if installed after 2016	Photoelectric
Within 20 feet of a kitchen or full bathroom	Photoelectric with 10-year, sealed, non-rechargeable, non-replaceable battery	Photoelectric OR Ionization If installed prior to Dec. 2016, Photoelectric ONLY if installed after 2016	Photoelectric	Photoelectric	Photoelectric

Carbon Monoxide Alarm Power Supply

Battery or plug-in w/battery back-up	Allowed	Allowed	Allowed	Not Allowed	Not Allowed
Hardwired, Interconnected w/battery back-up	Allowed	Allowed	Allowed	Required	Required

Required Alarm Locations

Basement (not including uninhabitable crawl spaces)	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO
Every Habitable Level	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO
Base of Stairs (on the ceiling; at the base of each stairway leading to an occupied floor above)	Smoke	Smoke	Smoke	Smoke	Smoke
Outside EACH sleeping area (In hallway, not more than 10 ft. from each bedroom door)	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO
Inside Every Bedroom	Not Required	Not Required	Smoke	Smoke	Smoke
Finished Attic (Habitable)	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO	Smoke/CO
Garage (Attached)	Not Required	Not Required	Not Required	Heat Detector	Heat Detector

Additional Notes

- 1) Smoke alarms greater than 10 years old **MUST** be replaced
- 2) Carbon Monoxide alarms greater than 7 year old **MUST** be replaced
- 3) Combination smoke and carbon monoxide alarms **MUST** have voice (talking) feature
- 4) Any battery operated alarm replaced after December 1st 2016 must have a life-time sealed battery
- 5) Carbon Monoxide alarms are required in all homes which have ANY fossil fuel burning equipment and/or an attached garage
- 6) All alarms must be approved by a 3rd party testing lab (i.e. UL or ETL stamp on back of alarm)

This document is a guide, if you have any questions, please contact Harvard Fire Department, Fire Prevention Officer at 978-456-3648