

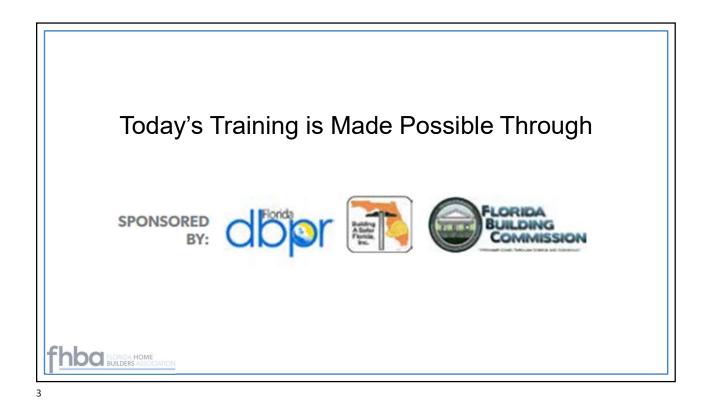
Smoke and Carbon Monoxide Alarms Advanced 2023 Florida Building Code Internet

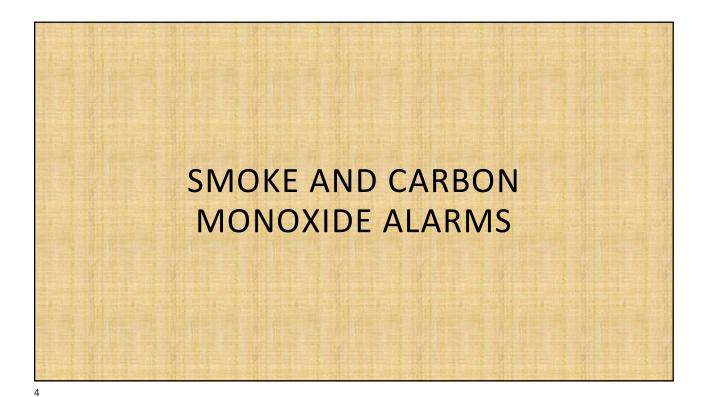
Course Information

Smoke and Carbon Monoxide Alarms Advanced 2023 Florida Building Code Internet 1 Hour General Credit Training Provider: Florida Home Builders Association 2600 Centennial Place Tallahassee, FL 32308 Phone: (850)402-1849 FHBA.com CILB & BCAIB Provider # 0000916 FBPE Provider # 0008653

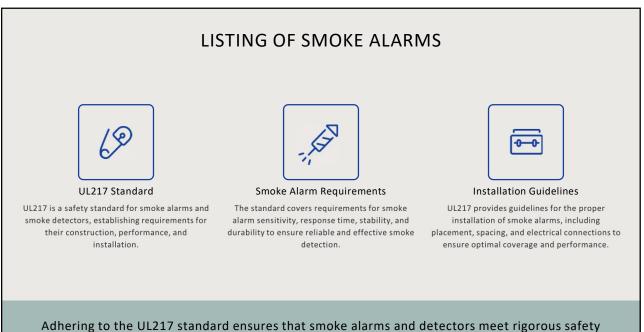
Date: TBD Location: TBD CILB Approval # TBD BCAIB Approval # TBD FBPE Approval # 008653 Instructor: Shane Gerwig, southeastcode@gmail.com

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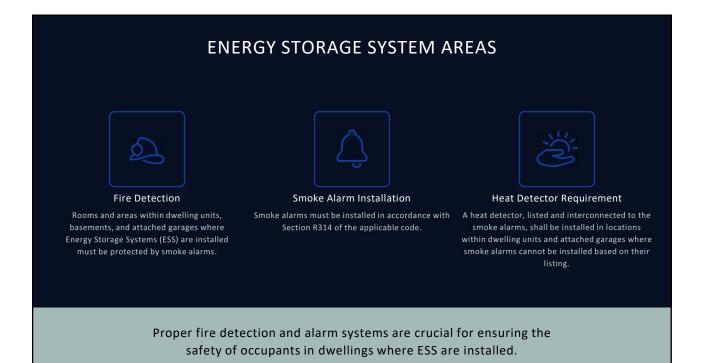


and performance criteria, providing reliable protection in the event of a fire.



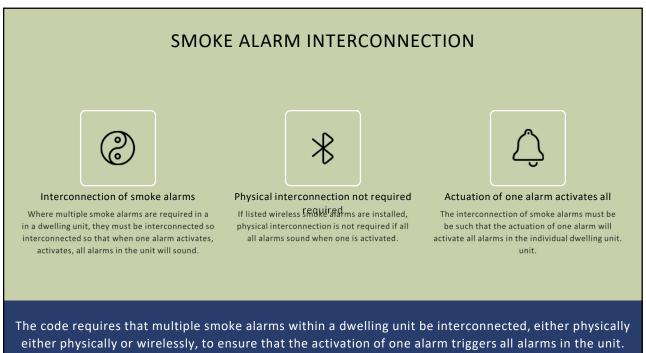




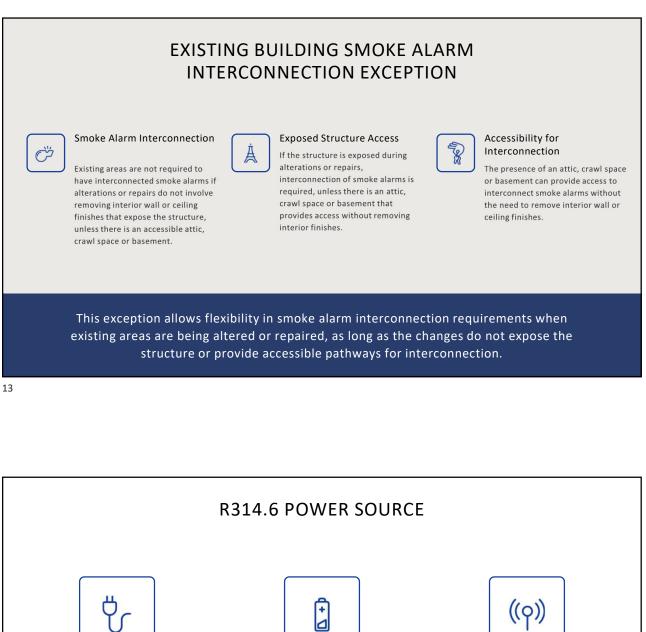


SMOKE ALARM INSTALLATION NEAR COOKING APPLIANCES	
Smoke Alarm Type	Minimum Distance from Cooking Appliance
Ionization Smoke Alarms	20 feet (6096 mm) horizontally
Ionization Smoke Alarms with Alarm-Silencing Silencing Switch	10 feet (3048 mm) horizontally
Photoelectric Smoke Alarms	6 feet (1828 mm) horizontally
Smoke Alarms Marked 'Helps Reduce Cooking Nuisance Alarms'	6 feet (1828 mm) horizontally

11



in the unit.



Primary Power Source Smoke alarms shall receive their primary power

from the building wiring where such wiring is served from a commercial source.



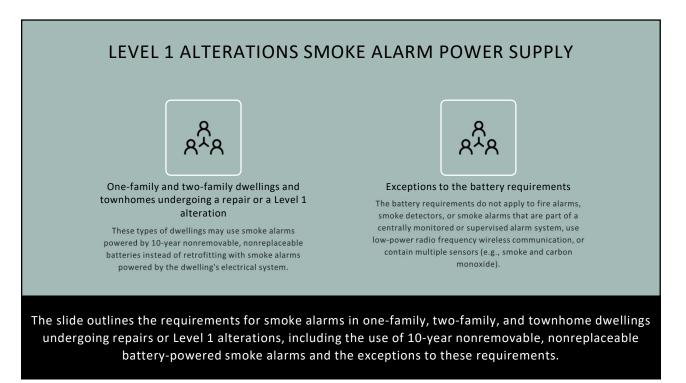
Where primary power is interrupted, smoke alarms shall receive power from a battery.

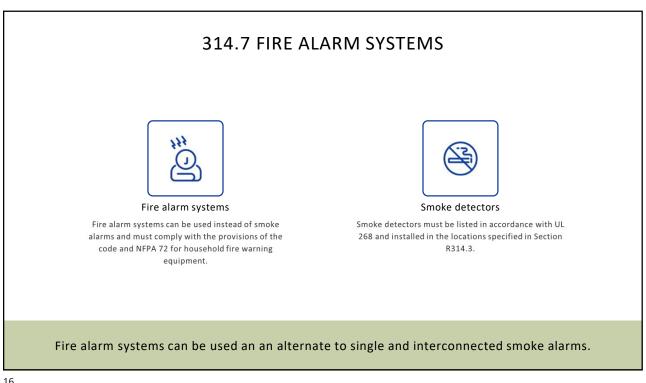
Wiring Requirements

7

Wiring shall be permanent and without a disconnecting switch other than those required for overcurrent protection.

Smoke alarms must have a reliable primary power source from the building's electrical system, as well as a backup battery power source to ensure continuous operation in the event of a power outage.





NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE

• **29.11.1.1** All equipment shall be installed in accordance with the manufacturer's published instructions and applicable

electrical standards.

NFPA 72 29.11.1.4

Instruction Booklet

An instruction booklet illustrating typical installation layouts for the warning equipment.

Operation and Maintenance Instructions

Instruction charts describing the operation, method, and frequency of testing and maintenance of the warning equipment.

• Emergency Evacuation Plan

Printed information for establishing an emergency evacuation plan.

Repair and Replacement Service

Printed information to inform system owners where they can obtain repair or replacement service, and where and how parts requiring regular replacement, such as batteries or bulbs, can be obtained within 2 weeks.

Smoke Alarm Replacement

Information noting that smoke alarms shall be replaced when they fail to respond to tests, and they shall not remain in service longer than 10 years from the date of manufacture unless otherwise provided by the manufacturer's published instructions.

Additional Instructions

The instructions required in sections 29.14.2 and 29.14.4.

NFPA 72 29.11.2.1

Interconnection of Alarms

The interconnection of alarms shall comply with the following requirements.

Manufacturer's Instructions

Alarms shall not be interconnected in numbers that exceed Compatibility of Alarms the manufacturer's published instructions.

Unsupervised Interconnection

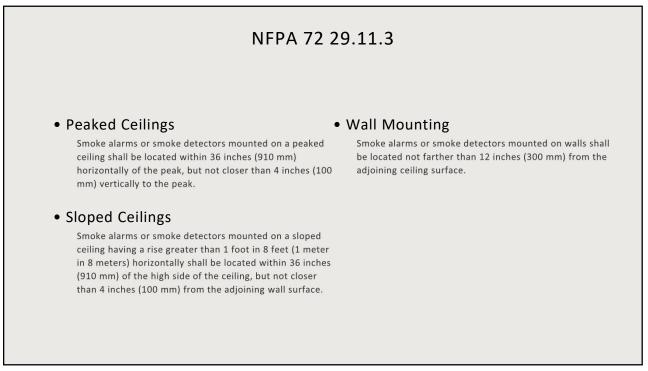
In no case shall more than 18 initiating devices be interconnected (of which 12 can be smoke alarms) where • Audible Response the interconnecting means is not supervised.

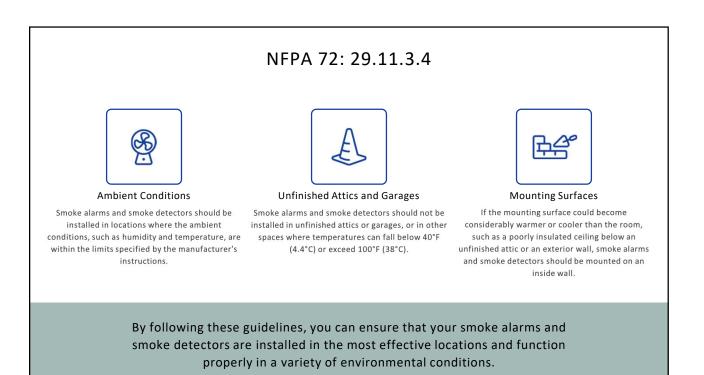
Supervised Interconnection

In no case shall more than 64 initiating devices be interconnected (of which 42 can be smoke alarms) where the interconnecting means is supervised.

Alarms of different manufacturers shall not be interconnected unless listed as being compatible with the specific model.

When alarms of different types are interconnected, all interconnected alarms shall produce the appropriate audible response for the phenomena being detected or remain silent.





NFPA 72: 29.11.3.4

Smoke alarms and smoke detectors placement

Smoke alarms and smoke detectors shall not be installed within a 10 ft (3.0 m) radial distance along a horizontal flow path from a stationary or fixed cooking appliance, unless listed for installation in close proximity to cooking appliances.

Smoke alarms and smoke detectors between 10 ft and 20 ft

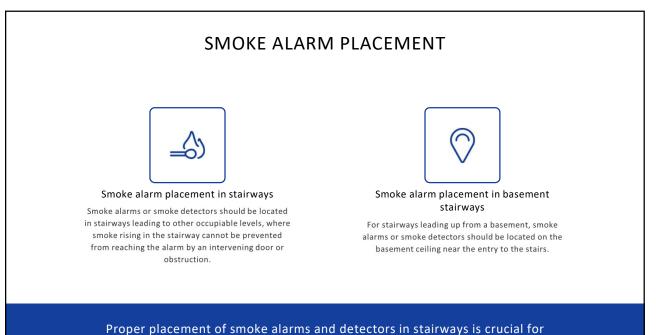
Smoke alarms and smoke detectors installed between 10 ft (3.0 m) and 20 ft (6.1 m) along a horizontal flow path from a stationary or fixed cooking appliance shall be equipped with an alarm-silencing means or use photoelectric detection.

Smoke alarms and smoke detectors at a distance greater than 6 ft

Smoke alarms or smoke detectors that use photoelectric detection shall be permitted for installation at a radial distance greater than 6 ft (1.8 m) from any stationary or fixed cooking appliance when the kitchen or cooking area and adjacent spaces have no clear interior partitions or headers, and the 10 ft (3.0 m) area of exclusion would prohibit the placement of a smoke alarm or smoke detector required by other sections of this Code.

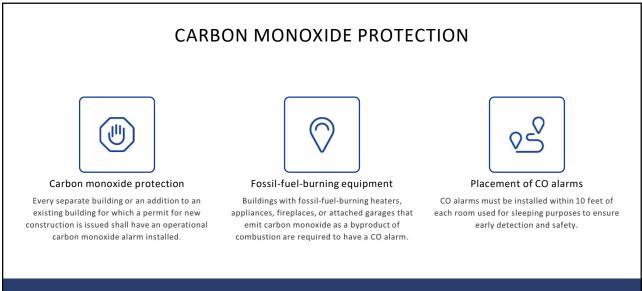






early fire detection and ensuring the safety of building occupants.





Proper installation of operational carbon monoxide alarms is crucial to protect building occupants from the dangers of CO exposure, especially in structures with fossil-fuel-burning equipment or attached garages.

