



Delaware County

Building Safety

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4/10/25

SMOKE DETECTOR MEMORANDUM EFFECTIVE 4/14/25

At the request from builders and home owners that are unable to obtain ionization and combination detectors containing dual technologies due to them being discontinued or unavailable for purchase. Upon research it was found that UL updated their smoke detector requirements on June 30th, 2024. The new UL217 9th edition incorporates new test including: Cooking Nuisance Alarms, smoldering and flaming polyurethane. Based on new detectors meeting these new requirements dual technologies are no longer required or supported by manufacture.

Starting on Monday April 14th, 2025 the Delaware County Department of Building Safety will no longer require dual technologies to be installed as prescribed in 314.1.2 of the 2019 RCO. After this date single technology detectors will need to comply with UL217 9th edition adopted on June 30th, 2024. Field modifications without plan approval will be inspected up until May 19th, 2025. After May 19th, 2025 all permit applications will need to be updated to reflect the 2024 IRC requirements listed below or any released BBS memo. Inspections will be based on the updated plans after this time.

Shown below are the current RCO rules and the memorandum accepted rule from the 2024 IRC:

Current Rules per 2019 Residential Code of Ohio

314.1 General.

Smoke alarms shall comply with the household fire warning equipment provisions of NFPA 72 and Section 314.

314.1.1 Listings.

Smoke alarms shall be listed and labeled in accordance with **UL 217**. Combination smoke and carbon monoxide alarms shall be listed and labeled in accordance with **UL 217 and UL 2034**.

314.1.2 Technologies.

On each level within each dwelling unit smoke alarms utilizing photoelectric and ionization technologies shall be installed. Separate or dual-sensing smoke alarms may be used. A smoke alarm located in accordance with Section 314.3(2) shall include photoelectric technology.

Exception: A system meeting the requirements of Section 314.7 is not required to include both technologies.

Rules within the 2024 International Residential Code

R310.1 General.

Smoke alarms shall comply with NFPA 72, Section R310 and the manufacturer's installation instructions.

R310.1.1 Listings.

Smoke alarms shall be listed and labeled in accordance with UL 217. Combination smoke and carbon monoxide alarms shall be listed and labeled in accordance with UL 217 and UL 2034.

R310.1.2 Installation.

Smoke alarms and combination smoke and carbon monoxide alarms shall be installed in accordance with their listing and the manufacturer's instructions.

Locations of smoke detectors will remain the same as listed within the current RCO, unless modified by any upcoming BBS memo. This memorandum may be superseded by any Board of Building Standards (BBS) memo released after this date.

Sincerely,

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