



State of Ohio
Weatherization Program
Standards

Section	APPENDICES AND REFERENCES
Subject	Carbon Monoxide and Smoke Detectors

CARBON MONOXIDE ALARMS 1505-1

Alarms shall be installed:

- a. PMI;
- b. a minimum of 5 feet above the floor;
- c. a minimum of 1 foot below the ceiling; and
- d. to a circuit that is energized (hot) at all times.

installation
1505-1.1

Reference Section 1501-20 for material specifications for alarms.

Alarms shall NOT be installed:

- a. in a home where there is an existing CO alarm
- b. in an area with room temperature outside of the range specified by the manufacturer, within 5 feet of a combustion appliance nor on the opposite wall from the appliance;
- c. within 5 feet of a combustion appliance flue, vent, chimney;
- d. within 5 feet of direct path of supply or exhaust fan;
- e. within 5 feet of a storage area for vapor producing household chemicals and gases;
- f. within 12 inches of exterior doors and windows;
- g. within a furnace closet/room;
- h. with an electrical connection to a switched circuit; or
- i. with a connection to a GFCI receptacle, downline from (in series with) a GFCI receptacle, or in a receptacle controlled by a GFCI breaker.

alarm cautions
1505-1.2

when to install
1505-1.3

A carbon monoxide alarm shall be installed (Refer to Section 1501-20 for material specifications of alarm):

- a. in all homes that have an unvented space heater in operation; or
- b. in all homes that have a return system of a forced air furnace (gas, oil, or electric) drawing it's air from a space containing a wood stove, fireplace, or other space heating or water heating combustion appliance.

consumer education
1505-1.4

CEE

The consumer shall be provided with verbal and written information regarding:

- a. the effects and symptoms of carbon monoxide poisoning;
- b. alarm maintenance;
- c. alarm testing;
- d. how to respond to an activated alarm; and
- e. the manufacturer's manuals and instructions.

SMOKE DETECTOR ALARM STANDARDS 1505-2

installation
1505-2.1

Alarms shall be installed:

- a. PMI;
- b. within 4 to 12 inches from the ceiling, when the detector is a wall mounted unit;
- c. at least 4 inches from the nearest wall, when the detector is a ceiling mounted unit;
- d. to a circuit that is energized (hot) at all times, when applicable; and
- e. all cords to outlets must be enclosed by a non-metallic conduit.

Alarms shall NOT be installed:

- a. in a home with an existing smoke detector alarm;
- b. too near a window, exterior door, or forced-air register;
- c. with an electrical connection to a switched circuit;
or
- d. with a connection to a GFCI receptacle, downline from (in series with) a GFCI receptacle, or in a receptacle controlled by a GFCI breaker.

alarm cautions
1505-2.2

A smoke detector shall be installed:

- a. in all homes that have a space heater (vented or unvented) in operation; or
- b. in all homes that have a wood stove or operational fireplace.

when to install
1505-2.3

Consumer Education

The consumer shall be provided with verbal and written information regarding:

- a. alarm maintenance, including the need to replace the battery;
- b. alarm testing;
- c. how to respond to an activated alarm; and
- d. the manufacturer's manuals and instructions.

consumer education
1505-2.4

CEE