



Vermont Department of Public Safety
DIVISION OF FIRE SAFETY
 OFFICE OF THE STATE FIRE MARSHAL, THE STATE FIRE ACADEMY, AND THE STATE HAZMAT TEAM



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Residential Single Station Smoke Alarm (Detector) Installation Guidelines

		Occupancy	Type	Required Power Supply	Required Locations	Reference	Notes
1	NEW Building	OWNER – OCCUPIED Single Free Standing Dwelling	Photoelectric only alarms required to be installed	Hardwired into the building electric system with battery backup.	In the immediate vicinity of sleeping rooms and on all floor levels including the basement.	VSA Title 9 Chapter 77	
		ALL OTHER DWELLING UNITS	Photoelectric only alarms required to be installed	Hardwired into the building electric system with battery backup.	In the immediate vicinity of sleeping rooms, inside each sleeping room and on all floor levels including the basement.	NFPA 101 Section 24.3.4.1 Section 30.3.4.5	All smoke alarms within the dwelling unit must be interconnected. See General Note # 1
2	EXISTING Building	OWNER – OCCUPIED Single Free Standing Dwelling	Photoelectric only alarms required to be installed at time of transfer by sale or exchange	Built before 01/01/1994: Hardwired into the building electric system OR by Battery. Built after 01/01/1994: Hardwired into the building electric system with battery backup.	In the immediate vicinity of sleeping rooms and on all floor levels including the basement.	VSA Title 9 Chapter 77	The seller of a single-family dwelling shall certify to the buyer that smoke and CO alarms are installed using the DFS form. See General Note # 2
		1 or 2 DWELLING UNITS IN THE SAME BUILDING	All alarms newly installed or replaced alarms are required to be Photoelectric	All Newly installed and Replacement smoke alarms must be Hardwired into the building electric system with battery backup, or 10 year lithium battery smoke alarms	In the immediate vicinity of sleeping rooms, inside each sleeping room, and on all floor levels including the basement.	NFPA 101 Section 24.3.4.1.1 Section 9.6.2 And VT Code Amendments Section 9.6.2.11 Section 9.6.2.9.2	See General Note # 2, 3 and 4
		3 OR MORE DWELLING UNITS IN THE SAME BUILDING	All alarms newly installed or replaced alarms are required to be Photoelectric	Hardwired into the building electric system with battery backup	In the immediate vicinity of sleeping rooms., inside each sleeping room and on all floor levels including the basement.	NFPA 101 Section 31.3.4 Section 31.3.4.5.3 NFPA 72 Section 11.5.4 Section 31.3.4.5.3	See General Note # 2, 3 and 4
3	General Smoke Alarm Notes:	1. "All Other Dwelling Units": includes any residential rental unit, residential condos, hotels & dormitories, rooming & lodging, residential care facility and apartments. 2. Smoke alarms shall not remain in service longer than 10 years from the date of manufacture.			3. All smoke alarms within the dwelling unit must be interconnected in new buildings or existing buildings undergoing reconstruction or extensive modification. 4. Sleeping rooms, smoke alarms are permitted to be lithium battery powered, 10 year tamper-resistant alarms.		