

VERMONT DEPARTMENT OF PUBLIC SAFETY, DIVISION OF FIRE SAFETY
Single Station Smoke Detector Installation Guidelines (www.vtfiresafety.org)

Manufacturer may recommend replacement every 10 years. Smoke Detectors need to be tested monthly.

Barre 479-4434...Rutland 786-5867...Springfield 885-8883...Williston 879-2300...Technical Assistance 1-800-640-2106

	Occupancy	Power Supply	Code Reference	Location	Notes
1.	Existing 1&2 family dwellings with or without detectors No renovations	Battery or directly hardwired into the building's electrical system. ** See Note	NFPA 101-24-3.4(1) 2003 edition.	All floor levels in the immediate vicinity of bedroom including one in the basement. ** See Note	** Electric with battery backup required if detectors(s) not maintained. Smoke detectors installed in the bedroom can increase risk of survivability 50%.
2.	Existing 1 & 2 family dwelling Major renovation	Directly hardwired into the building's electrical system with battery back-up.	NFPA 101-24.3.4, 2003 edition. Electric upgrade in alteration required under NFPA 101-4.6.8, 2003	All floor levels in the immediate vicinity of bedrooms, in each bedroom and basement.	Detectors must be wired in a manner that allows all detectors to alarm should one detector activate.
3.	1&2 Family Dwellings New Construction. Apartments/Condos New Construction (3 or more units)	Directly hardwired into the building's electrical system with battery back-up.	1&2 Family: NFPA 101-24.3.4, 2003 Apartments: NFPA 101-30.3.4.5.1, 2003	All floor levels in the immediate vicinity of bedrooms, in each bedroom, and basement.	Detectors must be wired in a manner that allows all detectors to alarm should one detector activate.
4.	Existing Apartments/Condos: with existing electric smoke detectors. (3 or more units)	Directly hardwired into the building's electrical system.	NFPA 101-31.3.4.5.2, 2003	All floor levels in the immediate vicinity of bedrooms and basement. ** See Note	** Smoke detectors not normally required in bedrooms. Audibility must be loud enough to alert occupants in the bedroom.
5.	Existing Apartments/Condos: with no smoke detectors new smoke detectors to be installed. (3 or more units)	Directly hardwired into the building's electrical system with battery back-up.	NFPA 101-31.3.4.5.1	All floor levels in the immediate vicinity of bedrooms, in each bedroom and basement. New detectors to be added in each bedroom based on NFPA 101-4.6.8, 2003 edition	Detectors must be wired in a manner that allows all detectors to alarm should one detector activate. If impractical contact the regional manager.
6.	Existing Aparts/ Condos with existing detectors outside the bedroom. (Under Renovations) (3 or more units)	Directly hardwired into the building's electrical system with battery back-up.	NFPA 101-30-3.4.5.2, 2003	All floor levels in the immediate vicinity of bedrooms, in each bedroom and basement. Detectors added to bedrooms based on NFPA 101-4.6.8.	All smoke detectors within the dwelling unit must be interconnected so all detectors activate should one alarm.
7.	Single-family owner occupied: new construction Single Family existing	Built after 01/01/1994: Electric with battery backup. Built prior 01/01/1994: Electric or battery	9 V.S.A. Chapter 77, NFPA 72 (2002 edition)	New: All floor levels in vicinity of bedrooms, in each bedroom and basement. Existing: All floor levels in vicinity of bedrooms and basement.	New: All smoke detectors within the dwelling unit must be interconnected. Existing: Interconnection not required.

Annex C-1