

CENTRAL MARIN FIRE DEPARTMENT



Developed by

Ruben Martin, Fire Marshal

Approved by

Scott Shurtz, Fire Chief

Fire Protection Standard 400

Fire Alarm Systems

Date: 8-21-2017

Revision: 8-21-2017

Page: 1 of 2

This Standard is promulgated pursuant to the Central Marin Fire Department amendments to the California Fire Codes regarding the requirements for fire alarm systems and fire alarm monitoring.

I. Fire Alarm Systems Required

- A. Fire alarm systems, including but not limited to: water flow alarms, supervision of control valves, manually operated fire alarm systems, and smoke and heat detection systems shall be installed as required by the California Fire Code as modified by this Standard.

Exception: Water flow devices and control valves installed in conjunction with 13D residential fire sprinkler systems, pre-engineered systems for spray booths, manually operated fire alarms in small and large family day care centers, and pre-engineered stand-alone automatic fire protection systems in hood and ducts protecting commercial cooking equipment.

- B. All required fire alarm systems shall be installed in accordance with the applicable Standards of the National Fire Protection Association "NFPA 72" and Underwriters Laboratory. All fire alarm system and their components shall be listed by the California State Fire Marshal's Office. ***Remote annunciators shall be added when required by the Fire Official.**

II. Fire Alarm System Monitoring

- A. All fire alarm systems shall be monitored by an approved U.L. Central Station Monitoring Company.

Exception: Water flow devices and control valves installed in conjunction with 13D residential fire sprinkler systems, pre-engineered systems for spray booths, manually operated fire alarms in small and large family day care centers, and pre-engineered stand-alone automatic fire protection systems in hood and ducts protecting commercial cooking equipment.

- B. Single station smoke alarms in residential dwelling units shall not be required to be monitored and shall not retransmit the alarm to the Fire Department or Emergency Communications Center unless the occupancy is a licensed skilled nursing, acute care, hospital, jail or other similar state regulated occupancy.
- C. **(AHJ may choose to change this language to reflect a case-by-case basis).** Smoke detection systems installed in commercial buildings not intended as dwelling units shall not retransmit the alarm to the Fire District or Emergency

CENTRAL MARIN FIRE DEPARTMENT



Developed by

Ruben Martin, Fire Marshal

Approved by

Scott Shurtz, Fire Chief

Fire Protection Standard 400

Fire Alarm Systems

Date: 8-21-2017

Revision: 8-21-2017

Page: 2 of 2

Communications Center, unless the smoke detectors are required in lieu of one-hour corridors conforming to provisions of the building code.

- D. Smoke and heat detectors installed for elevator recall shall be local alarm only (not transmitted to Fire Department).

III. Zone and Annunciation

- A. All fire alarm systems that are required to retransmit the alarm to the Fire Department by an approved U.L. Central Station Monitoring Company shall be zoned and annunciated by building and by floor as follows:
 - 1. Water flow by floor
 - 2. Detection by floor
 - 3. Supervision of control valves by floor
 - 4. Pull station by floor
- B. Additional zones may be required by the Fire Code Official depending on building size, layout, design or special hazard.
- C. For pre-engineered suppression systems, see additional fire protection standard.

IV. Maintenance and Certification

- A. All required fire alarm systems that are required to be monitored shall be tested quarterly and serviced at intervals required by the manufacturer but not less than once annually. Copies of tests and services shall be maintained by the property owner and made available for inspection by the Department upon request.
- B. All required fire alarm systems shall be certified that they are functioning in accordance with the manufacturer specifications annually. Certification shall be performed by a concern licensed for installing, testing and maintaining such systems by the State Contractors License Board. A copy of such certification shall be filed with the Central Marin Fire Department upon completion of certification. **Agency specific**

V. Panel Instructions and Room Identification

- A. Rooms containing the fire alarm control panel shall be labeled "**FACU**" on the door or wall adjacent to the door.