

3.01 LED and Graphic Annunciator Panels (2025)

Reference: 2025 San Francisco Fire Code Sections 907.6.3 - 907.6.4.4; 2025 San Francisco Fire Department Administrative Bulletins 2.01, 3.02, 3.05, and 3.08; 2025 NFPA 72

Purpose: This bulletin is designed to standardize the San Francisco Fire Department's requirements for LED (light emitting diode) and graphic annunciator panels.

Scope: It is the SFFD's policy to require that all fire alarm initiating devices (including water-flow alarms), where required by 2025 SFFD Administrative Bulletin 3.02, be annunciated by means of a visual display which indicates the type of device by building floor, zone, or other approved designation from which the signal originated. Additionally, visible annunciation shall be provided to indicate the status of emergency equipment that may affect building occupants in a fire situation, i.e. emergency generator, fire pump, etc. Other fire protection systems in the building, such as FM 200, Inergen, Ansul, etc. shall also be annunciated visibly.

Fire Alarm Plan Submittals: Each fire alarm system that is required to have an LED or graphic annunciator shall show a detailed layout of that annunciator with all LEDs and color designations per the requirements of this bulletin.

I. GENERAL REQUIREMENTS (MUST BE INDICATED ON THE LED AND GRAPHIC ANNUNCIATOR PANELS)

INDICATE ON ANNUNCIATOR	LED COLOR
Power On	Green
Fire Alarm System General Trouble	Yellow
Push Button/Other Method to test all of the Panel's LEDs	(none)
Each Type of Fire Alarm Initiating Device for Each Floor (<i>including duct detectors</i>)	Red
Each Type of Fire Alarm Initiating Device in each Elevator Lobby	Red
Each Type of Fire Alarm Initiating Device in each Elevator Machine/Control Room	Red

1. **Red LED.** A red LED type of visible display is required for all fire alarm initiating devices and also for duct detectors generating supervisory signals.
2. **Each Floor.** An indicator light is required for each type of fire alarm initiating device present on each floor.
3. **Fire Alarm Initiating Devices.** Each type of fire alarm initiating device must be indicated separately. Some examples include:
 - A. Manual Pull Stations.
 - B. Area Smoke Detectors.
 - C. Duct Detectors.
 - D. Elevator Lobby And Machine/Control Room Smoke Detectors.
 - E. Heat Detectors.
 - F. Auxiliary Alarms.
 - G. Sprinkler Water-Flow Switches.

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4. **Multiple Elevators.** Where multiple elevators are provided in the building, separate LEDs shall be included on the annunciation panel for each bank or group of elevators.

II. REQUIREMENTS WHERE APPLICABLE

1. **Fire Pump**

INDICATE ON ANNUNCIATOR	LED COLOR
Fire Pump Running	Green
Fire Pump Trouble	Yellow
Phase Reversal (<i>if electric</i>)	Yellow
Low Fuel (<i>if diesel</i>)	Yellow

2. **Emergency Generator**

INDICATE ON ANNUNCIATOR	LED COLOR
Emergency Generator Running	Green
Emergency Generator Trouble	Yellow
Low Fuel	Yellow
Leak Detection	Yellow
Generator Switch in non-automatic position	Yellow

3. **Secondary Water Supply**

INDICATE ON ANNUNCIATOR	LED COLOR
Low Water Level	Yellow
High Water Level	Yellow

4. **Air Replenishment System**

INDICATE ON ANNUNCIATOR	LED COLOR
System Low Air Pressure	Yellow
Co Monitoring System (Existing Systems With Monitors)	Yellow

5. **Emergency Responder Communication Enhancement System (ERCES)**

INDICATE ON ANNUNCIATOR	LED COLOR
ERCES General Trouble	Yellow

Note: A separate dedicated LED annunciator shall be required for each ERCES in accordance with 2025 SFFD Administrative Bulletin 2.01 Addendum G.

6. **Two Way Emergency Communications System (2-Way ECS)**

INDICATE ON ANNUNCIATOR	LED COLOR
2-Way ECS General Trouble	Yellow