

Fire Alarm Sequence of Operation

The system is a single stage sequence. The operation is as follows:

1. In normal mode, only the green "AC on" indicator at the panel shall be lit.
2. Upon activation of a fire alarm detection device (pull station, heat detector, smoke detector, sprinkler waterflow device), the fire panel shall:
 - a. Indicate the alarm condition by lighting the red "common alarm" indicator at the panel control.
 - b. Light the appropriate red zone LED on the panel.
 - c. Light the appropriate red zone LED on the annunciator.
 - d. Cause the alarm signal devices to operate throughout the building until silenced or reset by the control panel. Note: The suite signaling devices have a silencing switch which when operated, will silence the device for a period of 10 minutes then reactivate.
 - e. Activate the common alarm contact.
 - f. Activate programmed supervised auxiliary relays for fan shutdown.
3. Upon activation of a supervisory field device (i.e. a sprinkler tamper valve, low pressure switch, etc.), the panel shall:
 - a. Indicate the supervisory condition by lighting the "common supervisory" indicator at the panel.
 - b. Sound in a steady tone both the panel's buzzer and any remote field buzzer.
 - c. Light the appropriate amber zone indicator on the panel.
4. A system trouble condition shall:
 - a. Sound the panel buzzer and any remote buzzer in either a steady or intermittent manner depending upon the type of trouble as described
 - b. Activate the common trouble contact on the panel control.
 - c. Light the amber common trouble indicator and the appropriate additional trouble indicator as described
5. Control Switches
 - a. Reset switch — The reset switch shall clear the panel of alarm or supervisory conditions once the field device is restored.
 - b. Signal silence — The signal silence switch shall silence the audible and visual signals during alarm
 - c. Buzzer silence — The buzzer silences panel buzzers.
 - d. Lamp test — Tests operation of all panel indicators.
 - e. Fire Drill — If operated, sounds all audible devices.