



Product:

Conventional Fixed/Rate-of-Rise Thermal Detector

Architect and Engineering Specifications:

Fixed/rate-of-rise thermal detector shall be a System Sensor model number 5151. Detector shall be a conventional fixed/rate-of-rise thermal detector and shall connect with two wires to the fire alarm control panel initiating device circuit (IDC). The detectors shall alarm at a fixed temperature of 135°F (57.2°C) and have a rate-of-rise element rated at 15°F (8.3°C) per minute. The detectors shall have RTI rating for installation of V2-FAST or better.

The detectors shall provide a test means whereby they will simulate an alarm condition and report that condition to the control panel. Such a test may be initiated at the detector itself (by activating a switch) or initiated remotely on command from the control panel. There are two test methods: functional magnet or direct heat method.

The detectors shall provide two LEDs to provide 360° visibility. The LEDs are placed into steady red illumination indicating that an alarm condition has been detected. An output connection shall also be provided in the base to connect an external remote alarm LED or relay base (optional accessories).

The detectors shall be low profile ceiling-mount/wall-mount and shall be plug-in mounted into a twist-lock base. These detectors shall be constructed of off-white UV resistant polymer and shall be detachable from the mounting base to simplify installation, service and maintenance. Mounting base wiring connections shall be made by means of SEMS screws. The detector shall allow pre-wiring of the base and the head shall be a plug-in type. Mounting base shall be mounted on junction box which is at least 1.5 inches (3.81 cm) deep. Mounting base shall be available to mount to standard junction boxes. Suitable boxes include:

- 4.0" (10.16 cm) square box with and without plaster ring.
- 4.0" (10.16 cm) octagonal box.
- 3.5" (8.89 cm) octagonal box.
- Single-gang box.

Meets Agency Standards:

- ANSI/UL 521- Heat Detectors for Fire Protective Signaling Systems
- FM 3210- Heat Detectors for Automatic Fire Alarm Signaling
- CSFM 7270 – Heat Detector