DETECTORS
60-004, 007, 008, 009, 026, & 031

CATALOG NUMBER 1023

Fike® Protection Systems

Engineer and Architect Specifications

U.L. Listed
F.M. Approved
C.S.F.M. Approved

Interior Vertical Mount

Explosion Proof Vertical Mount

DESCRIPTION

The Fike 60 series Thermal Detectors operate on the fixed temperature and rate anticipation principles. These principles offer the fastest possible response with the least probability of a false alarm, for a thermal type detector. Thermal detectors are normally open switches which automatically reset when the temperature returns to normal.

The thermal detectors are available in a 135°F (57.2°C) or other temperature settings as needed. All units are hermetically sealed, shock and corrosion resistant and tamper proof. Units are available for interior, weather-proof and explosion proof applications. The Interior Mount Detector has a 2" (51 mm) diameter plastic base with terminal screw type connections for field wiring. The Explosion Proof Detector has a hexagonal wrench grip bushing with 1/2" (15mm) conduit threads and is approximately 4 1/4" (108mm) long. Connection to the system is accomplished using two or four 6" (152mm) wire leads.

The Fike 60 series Thermal Detectors operate within a controlled range of several degrees of their set point. This eliminates the problem of thermal lag. The rate anticipation feature allows for a quicker response when temperature rises rapidly. The high expansion sensing shell rapidly expands with the increasing temperature, providing for actuation one to three degrees in advance of the detector's set point. At the same time, however, it does not respond to momentary temperature fluctuations below the selected protection level. This eliminates false alarms.

ARCHITECT SPECIFICATIONS

The thermal detectors used shall be the Fike 60 series Thermal Detectors. These detectors shall operate on the rate anticipation-fixed temperature concept. These devices shall operate without noticeable thermal lag and be designed to anticipate and compensate for temperature rate-of-rise conditions. These detectors shall not rely on any barometric principle to prevent: 1) premature actuation of a fast heat rise; 2) lagging more than 5% above rating with any type of heat rise.

Thermal detectors shall be hermetically sealed, shock and corrosion resistant and tamper proof. They shall automatically reset when the temperature returns to normal. Thermal detectors shall have a setting of 135°F (57.2°C) or other appropriate temperature and be designed for interior, weatherproof or explosion applications.

Fike P/N	Temperature	Type
60-004	135°F	Interior
60-007	194°F	Interior
60-008	135°F	Ex-Proof
60-009	194°F	Ex-Proof
60-026	194°F	Weather-Proof
60-031	194°F	Vertical Mount

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