INTELLIGENT HEAT DETECTOR

DESCRIPTION

The Fike Intelligent Heat detector (P/N 60-1039 & 60-1040) is a fixed temperature/rate-of-rise detector that can be programmed for a set-point range of 135-170°F for ordinary detection, or 175-190°F for intermediate detection. Detectors in the intermediate range may be programmed for either fixed or 15°F rate-of-rise application. The detector is designed with tri-color LEDs to indicate detector status. A remote LED annunciator (P/N 02-3868) is available as an accessory. It can be configured to follow the sensor LED operation or be independently controlled. The isolator version (P/N 60-1040) provides complete short circuit isolation for NFPA 72, Style 7 wiring if used with an isolator base.

The detector is compatible with Fike's CyberCat and Cheetah Xi intelligent control panels. Its operating parameters are configured using the panel's programming software and are stored within non-volatile RAM in the detector. This on-board intelligence allows each detector to communicate its status directly to other devices connected to the panel. This peer-to-peer digital protocol results in less information that needs to be sent between the detector and the host control panel, resulting in faster, more reliable communication.

SPECIFICATIONS

Normal Operating Voltage:	15 to 30 VDC
Standby Current:	215 µA max. @ 24 VDC (continuous broadcasts)
LED Current:	2 mA max. @ 24 VDC (LEDs on)
Operating Humidity Range:	10% to 93% Relative Humidity Non-condensing
Installation Temperatures: .	-4°F to 100°F (-20°C to 38°C); 135°F-174°F setpoint
	-4°F to 150°F (-20°C to 66°C); 175°F-190°F setpoint
Fixed Temperature Rating:	135°F (57°C)190°F (88°C); programmable
Rate of Rise Detection:	Responds to greater than 15°F/min.(8°C/mm); programmable
Spacing for Thermal Detectors:	Detectors set between 135° to 155°F or 175° to 190°F : 50 ft (15.24 m) spacing
	Detectors set between 160° to 170°F: 15 ft. (4.57 M) spacing
Height:	2.1 inches (51 mm)in 63-1054 base
Diameter:	6.1 inches (155 mm) installed in 63-1054 base
	4.1 inches (104 mm) installed in 63-1055 base
Weight:	4.8 ounces (137 g)

ORDERING INFORMATION

Fike P/N	Manf. Model No.	Description
60-1039		Fixed Temperature/ROR/Hi-Temp Thermal Detector - Non-isolator
60-1040		Fixed Temperature/ROR/Hi-Temp Thermal Detector - Isolator
Mounting Bases		
63-1054/63-1060*		6" Flanged Mounting Base
63-1055/63-1061*		4" Flangeless Mounting Base
02-10373	RMK400	Recessed Mounting Kit
20-1083	SMK400E	4" Flangeless Surface Mounting Kit
20-1084	A10-29-400	6" Flanged Surface Mounting Kit
63-1063		Relay Base
63-1064		Sounder Base
Accessories		
20-1085	F110	Retrofit Flange
20-1405	RA100Z	Remote LED Annunciator
20-1087	XR2B	Detector Removal Tool (20-1089 included)
02-4986	XP-4	Extension for 02-4985 (5–15 ft)
20-1089	T55-127-000	Detector Removal Head
20-1090	BCK-200B	Black Detector Kit
55-051		Configuration IR Tool

APPROVALS

- UL - S2101
- FM - 3021590
- MEA - 63-05-E
- CSFM - 7270-0900:0152

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