

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 mA 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 to 100°F (-20 to 38°C); 135 - 174°F setpoint -4 to 150°F (-20 to 66°C); 175 - 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	Mfg. Model	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
- City of New York - 63-05-E
- CSFM - 7270-0900:0152



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