

## INTELLIGENT HEAT DETECTOR

### DESCRIPTION

The Intelligent Heat Detector, P/N 60-1039 & 60-1040, is a fixed temperature/rate-of-rise detector that can be programmed for a discrete set-point within the range of 135-170°F for ordinary detection, or 175-190°F for intermediate detection. Detectors in the ordinary range may be programmed for either fixed temperature or 15°F rate-of-rise operation. Detectors in the ordinary range are programmed for fixed temperature only. 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, Class X 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:	451 µA max. @ 24 VDC (continuous broadcasts); 63-1039 451 µA max. @ 24 VDC (continuous broadcasts); 60-1040
Alarm 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) to 190°F (88°C); programmable
Rate of Rise Detection:	Responds to greater than 15°F/min.(8°C/min.); programmable
Spacing for Thermal Detectors:	Detectors set between 135 to 155oF or 175 to 190oF: 50 ft (15.24 m) spacing Detectors set between 160o to 170oF: 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	60-1039	Fixed Temperature/Rate-of-Rise Heat Detector - Non-isolator
60-1040	60-1040	Fixed Temperature/Rate-of-Rise Heat Detector - Isolator
<b>Mounting Bases</b>		
63-1054	EBF	6" Flanged Mounting Base - Non-Isolator
63-1055	EB	4" Flangeless Mounting Base - Non-Isolator
63-1060	EBFI	6" Flanged Mounting Base - Isolator
63-1061	EBI	4" Flangeless Mounting Base - Isolator
63-1063	EBR	Relay Base
63-1064	EBS	Sounder Base
<b>Accessories</b>		
20-1085	F110	Retrofit Flange
02-3868	RA100Z	Remote LED Annunciator
20-1087	XR2B	Detector Removal Tool
02-4986	XP-4	Extension for 20-1087 (5-15 ft)
20-1089	BCK-200B	Black Detector Kit (10 pack)
55-051	EA-CT	IR Tool



### APPROVALS:

- UL - S2101
- FM
- City of New York - 63-05-E
- CSFM - 7270-0900:0152



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