

INTELLIGENT HEAT DETECTOR



Features

- Fixed temperature rate-of-rise detector.
- Programmable for ordinary or intermediate detection.
- Equipped with tri-color status indicator lights.
- Compatible with the Fike CyberCat® and Cheetah® Xi intelligent control panels.

General

This detector 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 ordinary range can be programmed for either fixed temperature or 15°F rate-of-rise operation, while detectors in the intermediate range are fixed-temperature only. A remote LED annunciator —which can follow the sensor LED operation or be independently controlled— is available as an accessory. An isolator version of this detector provides complete short-circuit isolation for NFPA 72, Class X wiring if used with an isolator base.

Compatible with the Fike CyberCat® and Cheetah® Xi intelligent control panel, the detector is configured using the programming software from each panel. Once configured, parameters are then stored within non-volatile RAM in the detector, with status updates communicated directly to other devices connected to the panel. This direct communication provides faster notification of an event and the opportunity to respond more quickly.

Specifications

Normal Operating Voltage	15 to 30 VDC
Standby Current	451 µA max. @ 24 VDC (continuous broadcasts)
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 to 190°F (57 to 88°C); programmable
Rate of Rise Detection	Responds to greater than 15°F/min. (8°C/mm); programmable
Spacing for Thermal Detector	50 ft (15.24 m) spacing: set between 135 to 155°F or 175 to 190°F
	15 ft. (4.57 m) spacing: set between 160 to 170°F
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)

Approvals

Underwriters Laboratories (UL)
Factory Mutual (FM)
California State Fire Marshal (CSFM)
New York Certificate of Approval (COA)

For exact certification listings, please reference the respective agency web site.

This document is only intended to be a guideline and is not applicable to all situations. Information is subject to Fike's full disclaimer at <http://www.fike.com/disclaimer>.

Ordering Information

Part Number	Mfg. Model	Description
Detectors		
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
Mounting Bases		
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
Accessories		
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 pk)
55-051	EA-CT	IR Tool

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