

INTELLIGENT PHOTO/HEAT DETECTOR

DESCRIPTION

The Intelligent Photoelectric/heat, spot-type smoke detectors, P/N 63-1053 & 63-1059, have sensing chambers that utilize the light scattering principle to detect smoke. In addition, the detector is equipped with dual thermistors for heat sensing. The sensing chamber employs features that minimize the effect of settled dust on performance. 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 detector LED operation or be independently controlled. The heat element of the detector provides an alarm, while the photo element can be programmed as alarm or supervisory. The isolator version, P/N 63-1059, 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:	481µa max. @ 24 VDC (continuous broadcasts)
Alarm Current:	2 mA max. @ 24 VDC (LEDs on)
Humidity Range:	10% to 93% Relative Humidity, non-condensing
Temperature Range:	32 to 100°F (0 to 38°C)
Heat Detector:	135°F (57° C) Fixed Temperature Electronic Thermistor
Height:	2.1 inches (51 mm) installed 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:	5.2 oz. (147 g)
Detector Spacing:	In compliance with NFPA 72
Velocity Range:	4000 FPM (1219 m/min.)

ORDERING INFORMATION

Fike P/N	Mfg. Model	Description
63-1053	63-1053	Photoelectric with Thermal - Non-isolator
63-1059	63-1059	Photoelectric with Thermal - Isolator
Mounting Bases		
63-1054	EBF	6" Flanged Mounting Base - Non-isolator
63-1060	EBFI	6" Flanged Mounting Base - Isolator
63-1055	EB	4" Flangeless Mounting Base - Non-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 pack)
55-051	EA-CT	IR Tool



APPROVALS:

- UL - S911
- FM
- MEA - 7-05-E
- CSFM - 7272-2010:0100



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