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
- Weight: 5.2 oz. (147 g)
- Detector Spacing: In compliance with NFPA 72
- Velocity Range: 4000 FPM (1219 m/min.)

ORDERING INFORMATION
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<th>Fike P/N</th>
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<td>63-1059</td>
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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 EB 6” Flanged Mounting Base - Non-isolator
- 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