

## INTELLIGENT IONIZATION DETECTOR

### DESCRIPTION

The Intelligent Ionization, spot-type smoke detectors, P/N 67-033 & 67-034, utilize a state-of-the-art sensing chamber that is designed to respond rapidly to a broad range of fires. 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 isolator version, P/N 67-034, 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.



### APPROVALS:

- UL - S4021
- FM
- CSFM 7271-0900:0147

### SPECIFICATIONS

Operating Voltage Range:	15 to 30 VDC
Max. Avg. Standby Current:	481µA @ 24 VDC (continuous broadcasts)
Max. Alarm Current (LED on):	2 mA @ 24 VDC (LEDs On)
Operating Humidity Range:	10% to 93% Relative Humidity, non condensing
Operating Temperature Range:	0 to 49°C (32 to 120°F)
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:	1200 FPM (366 m/min.)



### ORDERING INFORMATION

Fike P/N	Mfg. Model	Description
67-033	67-033	Ion Detector - Non-isolator
67-034	67-034	Ion Detector - Isolator
<b>Mounting Bases</b>		
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
<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

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