

INTELLIGENT ION SENSOR

DESCRIPTION

The Fike Intelligent Ionization, spot-type smoke sensors (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 sensor is designed with tri-color LEDs to indicate detector status. The detector can be programmed to make the LEDs blink or be steady green, amber or red. 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 67-034) provides complete short circuit isolation for NFPA 72, Style 7 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

Operating Voltage Range:	15 to 30 VDC
Max. Avg. Standby Current:	481 mA @ 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 EBF Base
Diameter:	6.1 inches (155 mm) installed in EBF Base 4.1 inches (104 mm) installed in EB Base
Weight:	5.2 oz. (147 g)
Detector Spacing:	30 ft. (9.1 m) maximum

ORDERING INFORMATION

Fike P/N	Mfg. Model	Description
67-033		Ion Sensor - Non-isolator
67-034		Ion Sensor - Isolator
Mounting Bases		
63-1054		6" Flanged Mounting Base - Non-isolator
63-1060		6" Flanged Mounting Base - Isolator
63-1055		4" Flangeless Mounting Base - Non-isolator
63-1061		4" Flangeless Mounting Base - Isolator
02-10373	RMK400	Recessed Mounting Kit
20-1083	SMK400E	4" Flangeless Surface Mounting Kit
20-1084	A10-29-400	6" Flanged Surface Mounting Kit
63-1063		Relay Base
63-1064		Sounder Base
Accessories		
20-1085	F110	Retrofit Flange
20-1405	RA100Z	Remote LED Annunciator
20-1087	XR2B	Detector Removal Tool (20-1089 included)
02-4986	XP-4	Extension for 02-4985 (5-15 ft)
20-1089	T55-127-000	Detector Removal Head
20-1090	BCK-200B	Black Detector Kit
55-051		Configuration IR Tool



APPROVALS:

- UL - S4021
- FM - 3022679



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