

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 μ A @ 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

APPROVALS

- UL - S4021
- FM - 3022679

ORDERING INFORMATION

Fike P/N	Manf. Model No.	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

