



Kingfisher Company, inc.

Intelligent Low Profile Plug-in Detectors KF200 Series Detectors



Features:

- Sleek, Low-Profile Design
- Analog Communications
- Low Standby Current
- Rotary Address Switches
- Superior EMI Protection
- UL Listed and FM Approved
- Dual LEDs for 360° visibility
- Detector Sensitivity Can Be Programmed With Control Panel Software



Description:

The KF200 Series intelligent plug-in smoke detectors with integral communication provide features that surpass conventional detectors.

Detector sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel.

Point ID capability allows each detector's address to be set with rotary address switches. This provides exact detector locations for selective maintenance when chamber contamination reaches an unacceptable level.

Models/Description:

Model 2251B photoelectric detector's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources. Dual electronic thermistors add 135°F fixed temperature thermal sensing on the 2251TB.

Model 2251BR is a remote test capable, photoelectric detector for use with KFDNR duct smoke detectors.

Model 2251TMB is a photoelectric smoke detector with supplementary 135°F thermal. This Detector uses advanced on-board software to combine the signals from the photo and thermal elements. This software creates a true multi-criteria detector capable of rejecting nuisance sources, but still responding quickly to real fires. This detector has the capability of adjusting its sensitivity according to the type of environment that it is installed in.

Model 1251B ionization detector incorporates a unique single source, dual chamber design to respond quickly and dependably to a broad range of fires.

Models 5251B and 5251RB use an innovative thermistor sensing circuit to produce 135°F fixed and rate-of-rise thermal detection in a low profile package.

Model 5251H provides fixed high temperature detection at 190°F. These thermal detectors provide cost effective, intelligent property detection in a variety of applications.

Specifications:

Height:	2.0 inches (51 mm)
Diameter:	6.1 inches (155 mm) installed in B210LP base 4.1 inches (104 mm) installed in B501 base
Shipping Weight:	Heat: 4.8 oz. (136 g) Photo/Photo with Heat: 5.2oz. (147 g) Ion: 5.4 oz. (153 g)
Operating Temperature Range:	Ion/Photo: 32° to 120°F (0° to 49°C) Photo with Thermal: 32° to 100°F (0° to 38°C) Thermal: -4° to 100°F (-20° to 38°C) High Temperature: -4 to 150°F (-20 to 66°C)
Insect Screen Hole Size:	Photo – 0.016 inch (0.41mm) nominal Ion – 0.035 inch (0.89mm) nominal
Relative Humidity:	10% – 93% non-condensing
Thermal Ratings:	Fixed Temperature Set point: 135°F (57°C) Rate of Rise Detection: 15°F/min. (8.3°C/min.) High Temperature Heat: 190°F (88°C)
Voltage Range:	15 – 32 volts DC peak
Standby Current (max. avg.):	
Ion/Thermal:	150 μ A @ 24 VDC (without communication, LED off) 200 μ A @ 24 VDC (one communication every 5 sec. with LED enabled)
Photo/Photo with Thermal:	250 μ A @ 24 VDC (without communication, LED off) 300 μ A @ 24 VDC (one communication every 5 sec. with LED enabled)

ORDERING INFORMATION

KCi #	Model #	Description
52800	KF1251B	Intelligent Low Profile Ionization Smoke Detector
52802	KF2251B	Intelligent Low Profile Photoelectric Smoke Detector
52806	KF2251TB	Intelligent Low Profile Photoelectric Smoke Detector with fixed 135°F Thermal Detector
52805	KF2251TMB	Intelligent Low Profile Multi-Criteria Detector
52804	KF5251RB	Intelligent Low Profile Rate of Rise Thermal Detector
52808	KF5251B	Intelligent Low Profile Thermal Detector Fixed Temperature (135°F / 57°C) Thermal Detector
52809	KF5251H	Intelligent Low Profile Thermal Detector Fixed Temperature (190°F / 88°C) Thermal Detector
52851	KF2251BR	Intelligent Low Profile Photoelectric Smoke Detector for use with KFDNR Duct Detector (52833)
52803	KFB210LP	Flanged Mounting Base
52503	KF501BHT	Temporal tone sounder
52810	KFB224RB	Relay Base
52811	KF224BI	Isolator Base
84162	KFF110	Retro-Fit Flange
84180	KFXR2B	Detector Removal Tool
84179	KFX-4	Extension (5-15 feet) for KFXR2B Removal Tool
52800-DTS		Specification Data Sheet

Kingfisher Company, inc., products must be used within their published specifications and must be PROPERLY specified, applied, installed, operated, maintained and operationally tested in accordance with their installation instructions at the time of installation and at least twice a year or more often and in accordance with local, state and federal codes, regulations and laws. Specification, application, installation, operation, maintenance and testing must be performed by qualified personnel for proper operation in accordance with all of the latest National Fire Protection Association (NFPA), Underwriters' Laboratories (UL), National Electrical Code (NEC), Occupational Safety and Health Administration (OSHA), local, state, county, province, district, federal and other applicable building and fire standards, guidelines, regulations, laws and codes including, but not limited to, all appendices and amendments and the requirements of the local authority having jurisdiction (AHJ).

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Kingfisher Company, inc., standard terms and conditions

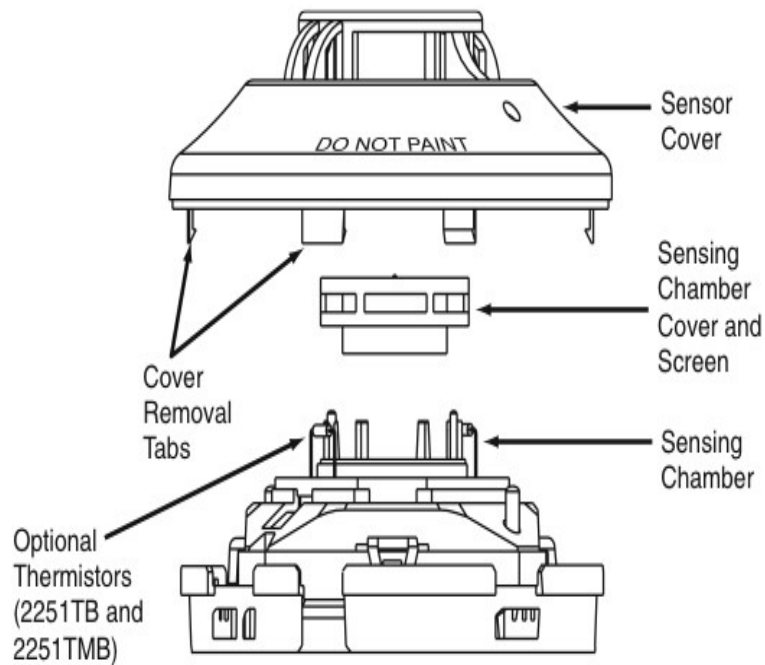
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DRAWINGS OR DIAGRAMS

KFXR2B Detector Removal Tool



Sensor assembly:



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