



200 Series Intelligent Low Profile Plug-in Detectors



Description:

The 200 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.

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 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 multicriteria 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.



200 Series

Features:

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

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Ordering Information:

Model No.	Description
2251B	Photoelectric Smoke Detector
2251TB	Photoelectric with Thermal
2251TMB	Multicriteria Smoke Detector
1251B	Ionization Smoke Detector
5251B	Fixed Temperature Thermal Detector
5251RB	Rate-of-Rise Thermal Detector
5251H	High Temperature Thermal Detector

Bases:

B501	Flangeless Mounting Base
B210LP	Flanged Mounting Base
B501BH	Standard Sounder Base
B501BHT	Temporal Tone Sounder Base
B224RB	Relay Base
B224BI	Isolator Base
RMK400	Recessed Mounting Kit
SMK400	Flangeless Surface Mounting Kit
SMB600	Flanged Surface Mounting Kit

Accessories:

F110	Retrofit Flange
M02-04-01	Detector Test Magnet
M02-09-00	Telescoping Test Magnet
XR2B	Detector Removal Tool (T55-127-000 included)
XP-4	Extension for XR2 (5–15 ft.)
T55-127-000	Detector Removal Head
BCK-200B	Black Housing Kit

SKF200 Data Specification Sheet

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% noncondensing
Thermal Ratings:	Fixed Temperature Setpoint: 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)

Specifications are provided for information only and are believed to be accurate. However, no responsibility is assumed by King-Fisher Company inc., for their use.
Specifications subject to change without notice.

XR2B Detector Removal Tool



Sensor assembly:

