MIX-2351AP sensor mounted on a B300-6 base

Features

- Multi-criteria detection
- Designed to meet UL 268 7th Edition and UL 521 Listed. (MIX-2351AP/TAP/RAP)
- Designed to meet CAN/ULC S529 Rev. 4 and CAN/ULC S530 listed. (MIX-2351APA/TAPA/RAPA)
- New modern profile
- Analog communications
- Low standby current
- Rotary address switches
- Dual LEDs for 360° visibility
- Expanded color kit options

Description

The Select Series low profile smoke detectors are intelligent addressable plug-in detectors with point ID capability that enables each detector address to be set with rotary address switches providing exact device locations.

Detector sensitivity is continually monitored and reported to the fire alarm control panel. These intelligent sensors utilize a state-of-the-art thermistor sensing circuit for fast response.

Mircom's Advanced Protocol uses a high speed communication protocol that greatly increases the speed of communication between the intelligent devices.

The modern design and expanded color options support contemporary aesthetic demands. In addition, each detector is constructed for exceptional installation and maintenance efficiency.

The Select Series **MIX-2351AP(A)** photoelectric detector's re-designed optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources in accordance with more stringent code standards. The sensitivity of Select Series detectors can be programmed using the control panel software to suit the environment.

The **MIX-2351RAP(A)** photoelectric detector is also remote test capable for use with a duct smoke detector.

The **MIX-2351TAP(A)** multi-sensor detector offers both photoelectric detection and thermal detection through dual electronic thermistors at 135°F (57°C) fixed temperature thermal sensing.

The multi sensor transmits an analog representation of the smoke density and temperature over a communication line to the compatibly listed Fire Alarm Control Panel, such as the Mircom Flex-Net. The FACP is able to illuminate LED display points based on the values received from the sensor. The LED indications can be displayed for temperatures below 90°F, between 90°F and 135°F, and above 135°F. This can be used for Fire Service Access Elevator (FSAE) display (Temperature sensing per NFPA 72 2019 21.5).

Specifications

Physical / Operating Specifications	
Height	2.0 inches (51 mm) installed in B300-6/ B300A-6 base
Diameter	6.2 inches (156 mm) installed in B300-6/ B300A-6 base 4.1 inches (104 mm) installed in B501-WHITE/-IV base
Shipping Weight	3.4 oz (95 g)
Operating temparature Range	Photo: 32°F to 122°F (0°C to 50°C) -4°F to 158°F (-20°C to 70°C) in duct applications Photo with Thermal: 32°F to 100°F (0°C to 38°C)
Operating Humidity Range	10% to 93% non-condensing
UL-Listed Velocity Range	Photo/Photo with Thermal: 0 to 4,000 fpm (0 to 1219 m/minute) (suitable for installation in ducts)
Electrical Specifications	
Voltage Range	15 to 32 VDC peak
Operating Current @ 24 VDC	200 uA (one communication every 5 seconds with green LED blink on communication)
Maximum Current	4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED solid on)
Maximum Alarm Current	2 mA @ 24 VDC (one communication every 5 seconds with red LED solid on)

NOT TO BE USED FOR INSTALLATION PURPOSES.
THIS INFORMATION IS FOR MARKETING PURPOSES ONLY AND NOT INTENDED TO DESCRIBE THE PRODUCTS TECHNICALLY.

CATALOG NUMBER
5898

Ordering Information

Model	Description	Color
Intelligent Detectors		
MIX-2351AP	Intelligent Photoelectric smoke detector - UL	White
MIX2351APA	Intelligent Photoelectric smoke detector - ULC	White
MIX-2351RAP	Intelligent Photoelectric smoke detector, remote test capable, for use with duct smoke detectors - UL	White
MIX-2351RAPA	Intelligent Photoelectric smoke detector, remote test capable, for use with duct smoke detectors - ULC	White
MIX-2351TAP	Intelligent Photoelectric smoke detector with Thermal - UL	White
MIX-2351TAPA	Intelligent Photoelectric smoke detector with Thermal - ULC	White
Bases		
B501-WHITE	4" Flangeless mounting base - UL/ ULC	White
B501-IV	4" Flangeless mounting base - UL/ ULC	Ivory
B300-6	6" Flanged mounting base - UL	White
B300-6-IV	6" Flanged mounting base - UL	Ivory
B300A-6	6" Flanged mounting base - ULC	White
B300A-6-IV	6" Flanged mounting base - ULC	Ivory
B200SR-WH	Standard Sounder Base - UL	White
B200SR-IV	Standard Sounder Base - UL	Ivory
B200SRA-WH	Standard Sounder Base - ULC	White
B200SRA-IV	Standard Sounder Base - ULC	Ivory
B200SR-LF-WH	Low-frequency Sounder Base - UL	White
B200SR-LF-IV	Low-frequency Sounder Base - UL	Ivory
B224BI-WH	Isolator Base - UL	White
B224BI-IV	Isolator Base - UL	Ivory
B224BIA-WH	Isolator Base - ULC	White
B224BIA-IV	Isolator Base - ULC	Ivory
B224RB-WH	Relay Base - UL	White
B224RB-IV	Relay Base - UL	Ivory
B224RBA-WH	Relay Base - ULC	White
B224RBA-IV	Relay Base - ULC	Ivory
Accessories		
CK300	Color Kit (includes cover and trim ring) - Pack of 10	White
CK300-IV	Color Kit (includes cover and trim ring) - Pack of 10	Ivory
CK300-BL	Color Kit (includes cover and trim ring) - Pack of 10	Black
TR300	Trim Ring	White
TR300-IR	Trim Ring	Ivory
RA100Z	Remote LED anunciator - UL	Ivory
RA100ZA	Remote LED anunciator - ULC	Ivory

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