



Model MIX-2251RAP sensor mounted in a B210LP base

Features

- Sleek, low profile design
- Photoelectric technology
- Remote test capability in duct applications.
- Dual LEDs indicate communications and activate steady when in alarm
- Low profile base provides easy interchangeability
- Low standby current
- Rotary switches for direct-dial entry of address.
- Magnetic test feature
- Tamper Resistance

Description

Mircom's low profile intelligent plug-in smoke detectors with integral communications provide features that surpass conventional detectors. Sensitivity is continuously monitored and reported to the panel where the desired detector sensitivity can be programmed. Point ID capability allows each detector's address to be set with decade address switches, providing exact detector locations for selective maintenance when chamber contamination reaches an unacceptable level.

Mircom's Advanced Protocol (AP) devices use a high speed communication protocol that greatly increases the speed of communication between the intelligent devices. Mircom's Advanced Protocol uses a superior group polling method as well as an interrupt feature that provide for a faster response to an alarm condition. In addition, the Advanced Protocol allows for greater system capacity with support for up to 318 devices per SLC circuit. The AP devices are backwards compatible to operate in CLIP mode for legacy system applications.

MIX-2251RAP Intelligent Photoelectric Smoke Sensor with remote test capability in Duct Applications

The MIX-2251RAP is a plug-in type smoke sensor that combines a photoelectric sensing chamber with addressable-analog communications. The sensor transmits an analog representation of smoke density over a communication line to a control panel. Rotary switches are provided for setting the sensor's address.

Two LEDs on the sensor are controlled by the panel it indicate sensor status. An output is provided for connection to an optional remote LED annunciator.

When MIX-2251RAP is used in duct applications with a DN, testing can be done remotely using approved test accessories(, eliminating the need for a test coil.

The MIX-2251RAP requires compatible addressable communications to function properly. Connect to a compatible control panel only.

The MIX-2251RAP includes a tamper-resistant capability that prevents its removal from the bracket without the use of a tool.



Specifications

Voltage Range
15 to 32 VDC
Standby Current
300 uA @ 24 VDC (one communication every 5 sec. with LED blink enabled)
LED Current (max.)
6.5 mA @ 24 VDC (on)
Height
2.0 inches (51 mm) installed in B210LP Base
Diameter
6.1 inches (155 mm) installed in B210LP Base 4.1 inches (104 mm) installed in B501 Base

Shipping Weight
5.2 oz. (147 g)
Operating Humidity Range
10% - 93% non-condensing
Operating Temperature Range
MIX-2251RAP: 32°F to 120°F (0°C to 49°C) Duct Applications: -4°F to 158°F (-20°C to 70°C)
UL Listed Velocity Range
Air Velocity: 0 - 4000 fpm

Ordering Information

Model	Description
MIX-2251RAP	Intelligent Photoelectric Smoke Sensor with Remote Test Capability for Duct Applications
Bases	
B501	Intelligent Flangeless Mounting Base
B210LP	Intelligent Flanged Mounting Base
Accessories	
RA-100Z	Remote LED Annunciator

Add suffix "A" for ULC listed model.



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