

MIX-200 SERIES

Special Application Intelligent Addressable Low Profile Detectors



Features

- Sleek, low-profile design
- Analog communications
- Low standby current
- Rotary address switches
- Superior EMI protection
- Meets MIL-S-901C Specification for Shock and Vibration
- Permanent tamper-proof tab

Description

Mircom's 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 decade address switches, providing exact detector locations for selective maintenance when chamber contamination reaches an unacceptable level.

The detector housing and base has been made more durable to meet MIL-S-901C specifications for shock and vibration. The model MIX-B501DOD mounting base has a ribbed flange for superior support and a permanent tamper-proof tab to ensure detector stability in the base.

Model MIX-2251DOD photoelectric detector's unique optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources.

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

Model MIX-5251DOD uses an innovative thermistor sensing circuit to produce 135°F fixed detection in a low profile package.



S6295
(MIX-1251DOD,
MIX-2251DOD &
MIX-B501DOD)
S6299
(MIX-5251DOD)

Specifications

Height	2.0 inches (51 mm)
Diameter	5.0 inches (127 mm) installed in MIX-B501DOD base
Shipping Weight	
Heat	4.8 oz. (136 g)
Photo	5.2 oz. (147 g)
Ion	5.4 oz. (153 g)
Operating Temperature Range	
Ion/Photo	32° to 120°F (0° to 49°C)
Thermal	-4° to 100°F (-20° to 38°C)

UL Listed Velocity Range	
Ion	0 - 1200 fpm (0 - 6.1 m/sec)
Photo	0 - 4000 fpm (0 - 20 m/sec)
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)

Voltage Range		15 to 32 VDC peak
Standby Current (maximum average)	Ion and Thermal	150 μ A @ 24 VDC (without communication, LED off) 200 μ A @ 24 VDC (one communication every 5 sec with LED enabled)
	Photo	250 μ A @ 24 VDC (without communication, LED off) 300 μ A @ 24 VDC (one communication every 5 sec with LED enabled)
LED Current		6.5 mA @ 24 VDC maximum

Ordering Information

Addressable Detectors

Model	Description
MIX-1251DOD	Special Application Ionization Smoke Detector
MIX-2251DOD	Special Application Photoelectric Smoke Detector
MIX-5251DOD	Special Application Heat Detector, 135°F fixed temperature

Detector Base

Model	Description
MIX-B501DOD	Special Application Flangeless Mounting Base