

## 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

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

<b>UL Listed Velocity Range</b>	
<b>Ion</b>	0 - 1200 fpm (0 - 6.1 m/sec)
<b>Photo</b>	0 - 4000 fpm (0 - 20 m/sec)
<b>Insect Screen Hole Size</b>	
<b>Photo</b>	0.016 inch (0.41mm) nominal
<b>Ion</b>	0.035 inch (0.89mm) nominal
<b>Relative Humidity</b>	10% - 93% noncondensing
<b>Thermal Ratings</b>	
<b>Fixed Temperature Setpoint</b>	135°F (57°C)

<b>Voltage Range</b>		15 to 32 VDC peak
<b>Standby Current (maximum average)</b>	Ion and Thermal	150 $\mu$ A @ 24 VDC (without communication, LED off) 200 $\mu$ A @ 24 VDC (one communication every 5 sec with LED enabled)
	Photo	250 $\mu$ A @ 24 VDC (without communication, LED off) 300 $\mu$ A @ 24 VDC (one communication every 5 sec with LED enabled)
<b>LED Current</b>		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