



Mircom MIX-5251AP/RAP/HAP Advanced Protocol Intelligent Thermal Sensors Owner's Manual

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Mircom MIX-5251AP/RAP/HAP Advanced Protocol Intelligent Thermal Sensors



Description

Mircom's low profile intelligent plug-in thermal detectors with integral communications provide features that surpass conventional detectors. Point ID capability allows each detector's address to be set with decade address switches, providing exact detector locations. These intelligent sensors utilize a state-of-the-art thermistor sensing circuit for fast response and are designed to provide open area protection with 50 foot spacing capability. 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-5251AP Intelligent Heat Detector, 135°F Fixed Temperature

The MIX-5251AP uses an innovative thermistor sensing circuit to produce 135°F fixed temperature detection in a low profile package. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

Features

- Sleek, low profile design
- Available as 135°F fixed temperature, 135°F fixed temperature with rate-of-rise detection and high temperature 190°F fixed temperature
- 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. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode
- Superior EMI protection

MIX-5251RAP Intelligent Heat Detector, 135°F fixed temperature with Rate-of-Rise Detection

The MIX-5251RAP provides both 135°F fixed and rate-of-rise thermal detection. This thermal detector provides cost effective, intelligent property protection in a variety of applications.

MIX-5251HAP Intelligent High Temperature Heat Detector, 190°F Fixed Temperature

The MIX-5251HAP provides 190°F (88°C) fixed temperature detection for high temperature applications.

Specifications

Voltage Range
15 – 32 volts DC peak
Standby Current
300 uA @ 24 VDC (one communication every 5 sec. with LED enabled)
LED Current (max.)
6.5 mA @ 24 VDC (on)
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
4.8 oz. (137 g)
Operating Humidity Range
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: 190°F (88°C)
Operating Temperature Range
MIX-5251AP/MIX-5251RAP: -4°F to 100°F (-20°C to 38°C) MIX-5251HAP: -4°F to 150°F (-20°C to 66°C)

Ordering Information

Model	Description
Intelligent Heat Sensors	
MIX-5251AP	Intelligent Heat Detector, 135°F Fixed Temperature
MIX-5251RAP	Intelligent Heat Detector, 135°F Fixed Temperature with Rate-of-Rise Detection
MIX-5251HAP	Intelligent High Temperature Heat Detector, 190°F Fixed Temperature
Bases	
B501	Intelligent Flangeless Mounting Base
B210LP	Intelligent Flanged Mounting Base
B224RB	Intelligent Relay Base
B224BI	Intelligent Isolator Base
B200SR	Intelligent Standard Sounder Base (Compatible with B501BH Series)
Accessories	
RA-100Z	Remote LED Annunciator

Add suffix "A" for ULC listed model.

Canada

25 Interchange Way Vaughan, Ontario L4K 5W3

Telephone: (905) 660-4655 Fax: (905) 660-4113

www.mircom.com

U.S.A.

4575 Witmer Industrial Estates Niagara Falls, NY 14305


Toll Free: (888) 660-4655 Fax Toll Free: (888) 660-4113

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Documents / Resources

	<p>Mircom MIX-5251AP/RAP/HAP Advanced Protocol Intelligent Thermal Sensors [pdf] Owner's Manual</p> <p>MIX-5251AP RAP HAP Advanced Protocol Intelligent Thermal Sensors, MIX-5251AP RAP HAP , Advanced Protocol Intelligent Thermal Sensors, Intelligent Thermal Sensors, Thermal Sensors</p>
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References

-  [Fire Alarm Resources | Download fire alarm documents](#)
-  [Mircom - Smart Buildings. Smarter Solutions.](#)

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