



AM Fire & Electronic Services, Inc.

Low Voltage Electrical Commercial Contracting

Alarms, Communications, Audio/Visual
Design/Build, Install, Inspect, Service, Monitor
System Reliability, On Schedule, In Budget Since 1997

Addressable Devices Series 200

Description

The Series 200 Addressable Devices are renowned for their reliability and flexibility to meet any application. Utilizing a pair of simple dials, each device may be simply addressed without the requirement for special tools – simplifying end-user maintenance. With a wide array of features and mounting possibilities, the Series 200 Addressable Devices help ensure a perfectly installed and operational system.

Standard Features

- Rotary address switches
- Spot Detectors mount in a wide array of bases
- Input and Output modules available for every function necessary to a fire alarm system
- Analog addressable detectors provide adjustable sensitivity, automatic drift compensation, pre-alarm maintenance alerts, and point identification

System Components

1251

Analog Addressable Ionic Smoke Detector

The 1251 is a spot-type detector utilizing the ionic principle of smoke detection. Utilizing a single-source, dual chamber design, the 1251 provides dependable detection when an ionic-based detector is appropriate.



2251, 2251T

Analog Addressable Photoelectric Smoke Detector

The 2251 is a spot-type detector utilizing the photoelectric principle of smoke detection. The most common detector utilized for commercial applications, the 2251 is the detector of choice for nearly any “common area”. The 2251T model incorporates a fixed 135°F temperature sensor in addition to the photoelectric sensor – providing two sensors in a single package.

2251TM

Analog Addressable Multi-Criteria Detector

The 2251TM, or Acclimate™, is a spot-type detector that intelligently analyzes both photoelectric and thermal signals to eliminate environmental false alarms – while responding quickly to true fire conditions.

5251P, 5251RP

Addressable Thermal Detectors

The 5251P provides a fixed 135°F resettable heat detector that can be placed anywhere on an addressable circuit. The 5251RP adds the protection of a rate-of-rise sensor.



DH200P, DH200RP

Analog Addressable Photoelectric Duct Detector

The DH200P provides the most reliable duct smoke detection available. Because modern tests indicate that ionic duct detectors do not perform as well as photoelectrics for most applications, System Sensor no longer provides addressable ionic detectors. The DH200P provides the flexibility of analog addressable detectors, including adjustable sensitivity, maintenance alerts, and point identification, combined with the reliability of photoelectric duct detection. The DH200RP provides built-in relays for air-handler shutdown, damper closer, or other related functions.



AM Fire & Electronic Services, Inc.
4655 Quality Court, Suite E, Las Vegas, NV, 89103
Phone: (702) 312-5276 Fax: (702) 312-5279 e-mail: info@amfes.com
Nevada Contractor License #47779





AM Fire & Electronic Services, Inc.

Low Voltage Electrical Commercial Contracting

Alarms, Communications, Audio/Visual
Design/Build, Install, Inspect, Service, Monitor
System Reliability, On Schedule, In Budget Since 1997

M500M

Addressable Monitor Module

The M500M provides an addressable input for a normally open contact – wired in Style B or D. Suitable for applications where Class A wiring for the external input or a local LED indicator is required.



M501M

Addressable Mini-Monitor Module

The M501M provides an addressable input for a normally open contact wired in Style B. Used for most fire alarm contact monitoring requirements, such as manual stations, sprinkler switches, sub-panel relay contacts, and beam detectors. The small size of the M501M allows it to be mounted inside junction boxes – sometimes inside the monitored device!



M502M

Addressable Interface Module

The M502M allows an addressable circuit to be connected to a group of two-wire smoke detectors. An external power supply is required, however the M502M provides another level of flexibility to a fire alarm design, especially for retrofit applications.



M500DM

Addressable Dual Monitor Module

The M500DM provides functionality of two M501M modules in a single package. Ideal for sprinkler riser monitoring (with waterflow and tamper switches in pairs) or for applications requiring positive activation status, such as smoke control devices.

M500R

Addressable Relay Module

The M500R provides a Form-C contact that can be activated as required by the fire alarm panel for any switching application.

M500S

Addressable Supervised Control Module

The M500R allows wiring supervision of externally powered devices, such as horns, strobes, or speakers. Utilizing the M500R a single notification circuit can be separated into several zones for evacuation control as required. A UL listed EOL relay such as the A77-716B is required to supervise the external power. The supervised circuit may be either Style Y or Z.

M500X

Fault Isolator Module

The M500X prevents wire-to-wire shorts on the addressable circuit from compromising the integrity of the circuit or panel. Isolators should be spaced between groups of no more than 25 addressable devices. For complete protection, the wiring should be Style 6 in combination with the appropriate quantity of M500X isolator modules (or B224BI isolator bases).



B210LP

Flanged Analog Addressable Detector Base

The B210LP is the standard base used with the 200 series detectors. While the B210LP can mount to 4" square, single-gang, and other electrical backboxes, the simplest installation utilizes 3" O-rings. The 6" diameter flange hides any flaws in the backbox installation and helps blend the detector unobtrusively into the ceiling.



AM Fire & Electronic Services, Inc.
4655 Quality Court, Suite E, Las Vegas, NV, 89103
Phone: (702) 312-5276 Fax: (702) 312-5279 e-mail: info@amfes.com
Nevada Contractor License #47779

 **MIRCOM**[®]
www.amfes.com



AM Fire & Electronic Services, Inc.

Low Voltage Electrical Commercial Contracting

Alarms, Communications, Audio/Visual
Design/Build, Install, Inspect, Service, Monitor
System Reliability, On Schedule, In Budget Since 1997

B501BH, B501BHT

Flanged Analog Addressable Detector Base with Sounder

The B501BH incorporates a steady-tone sounder into the detector base. Requiring an external power source for the sounder, the B501BH provides an integrated solution for local alarm needs in hotel, motel, and patient care rooms. The B501BHT provides built-in temporal tone generation.

B224RB

Flanged Analog Addressable Detector Base with Relay

The B224RB incorporates a Form-C relay into the detector base. Suitable for local door holder or elevator recall functions when the additional flexibility of panel-based relays or M500R relay modules are not required.

B224RI

Flanged Analog Addressable Detector Base with Isolator

The B224RI provides the functionality of the M500X module without requiring a separate backbox or mounting. As in the M500X, no more than 25 addressable devices should be placed between B224RI bases or combinations of B224RI bases with M500X modules.

RMK-400, SMK-400, SMB-600

Specialty Mounting Kits

The RMK-400 allows for a recessed mounting of a 2251 series detector, providing the shallowest mounting available when ceiling heights are critical. The SMK-400 provides a clean backbox for surface mounting requirements. The SMB-600 adds a 6" diameter flange to the SMK400, reducing the visual impact of a surface mounted detector.

Technical Specifications

Temperature range..... 32°F – 120°F
Humidity range..... 10% – 93% RH noncondensing

1251, 5251P, 5251RP current draw.....	0.000300 amps
2251, 2251T, 2251TM current draw.....	0.000360 amps
DH200P, DH200RP current draw.....	0.000300 amps
M500M, M501M, M500S current draw.....	0.000400 amps
M502M current draw.....	0.000300 amps
M500DM current draw.....	0.000750 amps
M500R current draw.....	0.000300 amps
M500X current draw.....	0.000450 amps
CR-6 current draw.....	0.00145 amps standby, .0032 amps alarm
SC-6 current draw.....	0.00225 amps standby, 0.035 amps alarm

Applicable standards: NFPA-70, NFPA-72, UL-38, UL-217



AM Fire & Electronic Services, Inc.
4655 Quality Court, Suite E, Las Vegas, NV, 89103
Phone: (702) 312-5276 Fax: (702) 312-5279 e-mail: info@amfes.com
Nevada Contractor License #47779

