Fire·Lite® Alarms

www.firelite.com

GENERAL

The **Fire•Lite Alarms AD355 Adapt** detector is an intelligent, addressable, multi-sensing, low-profile detector designed for use with the Fire•Lite **MS-9200**, **MS-9200UD and MS-9600** Fire Alarm Control Panels (FACPs).

The Adapt detector combines photoelectric and thermal sensing technologies designed to increase immunity to false alarms. Unlike traditional intelligent detectors, the Adapt detector has a microprocessor in the detector head that processes alarm data. As a result, the Adapt detector can adjust its sensitivity automatically without operator intervention.

The Adapt detector is ideal in office complexes, schools, college campuses, manufacturing and industrial facilities, or anywhere else the use of a particular area may change. One day a conference room, tomorrow a kitchen, the next a copy machine room — the Adapt detector automatically adjusts its sensitivity to its environment!

FEATURES

• Automatically adjusts sensitivity levels without the need for operator intervention or programming. Sensitivity increases with heat.

• Combination photo and thermal technology.

• Microprocessor-based technology.

• MS-9200, MS-9200UD and MS-9600 compatible.

• Sleek, low-profile design.

• Rotary, decimal addressing (01 – 159 on MS-9600, 01 – 99 on MS-9200 and MS-9200UD).

• Addresses can be viewed and changed without the need for electronic programmers.

• Dual LED design provides 360° viewing angle.

• Several base options, including relay, isolator, and sounder.

• Built-in functional test switch activated by external magnet.

• Listed to UL 268.

SPECIFICATIONS

Operating voltage range: 15 – 32 volts DC peak.

Standby current (max. avg.): 250 µA @ 24 VDC (without communication); 360 µA @ 24 VDC (one communication every 5 seconds with LED enabled).

LED current (max.): 6.5 mA @ 24 VDC ("ON").

UL LISTED   ULC   California State Fire Marshal 7272-0075:203

MEA 243-02-E   FM APPROVED

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AD355 ADAPT

Loop resistance: 40 ohms maximum; varies according to control panel used. Refer to manuals *(document numbers)* for the MS-9600 *(51335)*, MS-9200UD *(51906)*, and MS-9200 *(51003)*.

Operating humidity range: 10% – 93% non-condensing.

Operating temperature range: 0°C to 38°C (32°F to 100°F).

Air velocity rating: 0 to 4,000 ft/min (20.32 m/sec).

Height: 2.1" (5.33 cm).

Diameter: 6.1" in B350LP base.

Weight: 5.2 oz. (147 g).

Thermal sensor: 135°F (57°C) fixed.

INSTALLATION

The Adapt plug-in detector uses a separate base to simplify installation, service and maintenance. A special tool (XR-2) allows maintenance personnel to plug in and remove detectors without using a ladder. Mount base on a box at least 1.5" (3.81 cm) deep. Suitable mounting base boxes include:

• 4.0" (10.16 cm) square box.

• 3.5" (8.89 cm) or 4.0" (10.16 cm) octagonal box.

• Single-gang box (except relay or isolator base).

ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING QUALITY SYSTEMS

PRODUCT LINE INFORMATION

NOTE: *"A" suffix indicates ULC-Listed model.*

AD355 Low-profile, intelligent, multi-sensor detector *(B350LP base included)*.

AD355A Same as above with ULC Listing *(B350LPA base included)*.

Available Bases:

B350LP(A) Plug-in detector base *(included)*. **Dimensions:** 6.1" (15.5 cm). **Mounting:** 4.0" (10.16 cm) square box with or without plastic ring, 4.0" (10.16 cm) octagonal box, 3.5" (8.89 cm) octagonal box, or single-gang box. All mounting boxes have a minimum depth of 1.5" (3.81 cm).

B501BH(A) Standard European 4.0" (10.16 cm) flangeless base, with sounder.

B501BHT(A) Same as B501BH(A), but includes temporal sounder.

B224RB(A) Plug-in System Sensor *relay* detector base. **Diameter:** 6.2" (15.75 cm). **Mounting:** 4.0" (10.16 cm) square box with or without plastic ring, 4.0" (10.16 cm) octagonal box, or 3.5" (8.89 cm) octagonal box. All mounting boxes have a minimum depth of 1.5" (3.81 cm).

B224BI(A) Intelligent isolator base. Isolates SLC from shorts on the loop.

Accessories:

RA400Z(A) Remote LED annunciator. 3 – 32 VDC. Fits U.S. single-gang electrical box. *For use with B501(A) and B350LP(A) bases only.*

SMK400 Surface mounting kit provides for entry of surface wiring conduit. *For use with B501(A) base **only**.*

RMK400 Recessed mounting kit. *For use with B501(A) base **only**.*

M02-04-00 Test magnet.

XR-2 Detector removal tool. Allows installation and/or removal of detector heads from bases in high ceiling applications.

XP-4 Extension pole for XR-2. Comes in three 5-ft. (1.524 m) sections.