



Fire-LITE® Alarms

www.firelite.com

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DF-52257 E-800

AD350 Adapt Multi-Sensor Low-Profile Intelligent Detector

Section: Intelligent/Addressable Devices

GENERAL

The Fire•Lite AD350 Adapt detector is an intelligent, addressable, multi-sensing, low-profile detector designed for use with the Fire•Lite MS-9600 and MS-9200 Fire Alarm Control Panels.

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-9600 and MS-9200 compatible.
- Sleek, low-profile design.
- Rotary, decimal addressing (1 - 159 on MS-9600, 1 - 99 on MS-9200).
- 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 - 28 volts DC peak.

Standby current: 310 µA @ 24 VDC.



California
State Fire
Marshal
7272-0075:203

MEA

303-01-E



AD350 ADAPT

with B224RB: 430 µA @ 24 VDC (includes base).

with B224BI: 560 µA @ 24 VDC (includes base).

Maximum alarm current (LED on): 10 mA @ 24 VDC ("ON").

Loop resistance: 40 ohms maximum; varies according to control panel used. Refer to the MS-9600 (51335) and MS-9200 (51003) manuals.

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

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

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

Height: 1.66 inches (42.16 mm).

Diameter: 4.1 inches (104.14 mm).

Weight: 3.6 oz. (104 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 allows maintenance personnel to plug in and

This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Fire•Lite Alarms, One Fire-Lite Place, Northford, Connecticut 06472.

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remove detectors without using a ladder. Mount base on a box at least 1.5" (38.1 mm) deep. Suitable mounting base boxes include:

- 4" (101.6 mm) square box.
- 3-1/2" (88.9 mm) or 4" (101.6 mm) octagonal box.
- Single-gang box (except relay or isolator base).

PRODUCT LINE

AD350 Low-profile intelligent multi-sensor detector.

Available Bases:

B350LP Plug-in Detector base (included). Dimensions: 6.1" (155 mm). Mounting: 4" (102 mm) square box with or without plastic ring, 4" octagon box, 3 1/2" octagon box or single gang box. All mounting boxes have a minimum depth of 1.5" (38 mm).

B501BH Standard European 4" (101.6 mm) flangeless base, with sounder.

B501BHT Same as B501BH, but includes temporal sounder.

B224RB Intelligent relay base.

B224BI Intelligent isolator base. Isolates SLC loop shorts.

Accessories:

SDG-773 Smoke detector guard. This guard, although mechanically compatible, is *NOT* UL-compatibly listed with the AD350

RA400Z

detector.

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

SMK400

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

RMK400

Recessed mounting kit. *For use with B501 base only.*

M02-04-01

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.