FIRE·LITE® ALARM

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GENERAL

The **Fire·Lite H355 Series** thermal detectors are a sable sensors that use a state-of-the-art thermistor ing circuit for fast response. These sensors are des to provide open-area protection and are intended f with the **MS-9600** and **MS-9200UD** Fire Alarm Contro els (FACPs).

Both the **H355** and **H355R** sensors provide fixed ten ture alarm detection at 135°F. The **H355R** sensor res to rate-of-rise conditions of greater than 15°F/8.3° minute. **H355HT** provides fixed high-temperature det at 190°F/88°C. These thermal detectors provide c fective, addressable property protection in a variety plications.

Two LEDs on each sensor light to provide a local, sensor indication. Remote LED annunciator capab available as an optional accessory (P/N **RA400Z**).

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 12/29/16

H355 in B350LP base

FEATURES

SLC loop:

- Two-wire SLC loop connection.
- Unit uses base for wiring.

Addressing:

- Addressable by device.
- Direct Decade 01 – 159 (MS-9600), or 01 – 99 (MS-9200UD) entry of address.

Architecture:

- Sleek, low-profile, stylish design.
- State-of-the-art thermistor technology for fast response.
- Integral communications and built-in device-type identification.
- Built-in tamper resistant feature.
- Built-in functional test switch activated by external magnet.

Operation:

- Factory preset at 135°F (57°C).
- Rate-of-rise model (H355R), 15°F (8.3°C) per minute.
- 360°-field viewing angle of the visual alarm indicators (two bicolor LEDs). LEDs blink green in Normal condition and turn on steady red in Alarm.
- Visible LEDs “blink” every time the unit is addressed.

Mechanicals:

- Sealed against back pressure.
- SEMS screws for wiring of the separate base.
- Designed for direct-surface or electrical-box mounting.
- Plugs into separate base for ease of installation and maintenance.
- Separate base allows interchange of photoelectric, ionization and thermal sensors.

Other system features:

- Remote test feature from the panel.
- Walk test with address display.
- Low standby current.
- 94-5V plastic flammability rating.

Options:

- Remote LED output connection to optional RA400Z remote LED annunciator.
- Recessed (**RMK400**) or surface (**SMK400**) base mounting kits.

APPLICATIONS

Use thermal detectors for protection of property.

CONSTRUCTION

These detectors are constructed of off-white Bayblend®.

The H355 Series plug-in intelligent thermal detectors are designed to commercial standards and offer an attractive appearance.

Bayblend® is a registered trademark of Bayer Corporation.

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. Phone: (800) 627-3473, Toll-Free FAX: (877) 699-4105.

ISO 9001 CERTIFIED ENGINEERING & MANUFACTURING

INSTALLATION

H355 Series plug-in intelligent thermal detectors use a c tachable base to simplify installation, service and main nance. Installation instructions are shipped with each c tector.

Mount base (all base types) on box that is at least 1 (3.81 cm) deep. Suitable 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).

NOTE: *Because of the inherent supervision provided by the S loop, end-of-line resistors are not required. Wiring "T-taps" branches are permitted for Style 4 (Class "B") wiring only.*

OPERATION

Each H355 Series detector uses one of 159 (MS-9600) 99 (MS-9200UD) possible addresses on a control par SLC loop. It responds to regular polls from the control par and reports its type and the status. If it receives a test co mand from the panel (or a local magnet test), it stimulat its electronics and reports an alarm. It blinks its LEDs wh polled and turns the LEDs on when commanded by t panel. The H355 Series offers features and performan that represent the latest in thermal detector technology

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SPECIFICATIONS

Diameter: 6.1" (15.5 cm) installed in B350LP.

Height: 2.1" (5.33 cm).

Weight: 4.8 oz. (137 g).

Installation temperature: –4°F to 100°F (–20°C to 38°C).

Humidity range: 10% to 93% relative humidity (non-condensing).

Voltage range: 15 to 32 VDC peak.

Standby current: 300 µA @ 24 VDC (one communication every 5 seconds with LED blink enabled).

LED current: 6.5 mA @ 24 VDC.

Mounting: B350LP flanged base, included.

Fixed-temperature setpoint: 135°F (57°C).

Rate-of-rise detection: responds to greater than 15°F/ 8.3°C per minute.

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).

B501BH(A) Plug-in System Sensor ***sounder*** detector base. ***Diameter:*** 6.0" (15.24 cm). ***Mounting:*** 4.0" (10.16 cm) square box with or without plastic ring. Mounting box has a minimum depth of 1.5" (3.81 cm).