FIRE·LITE ALARMS

www.firelite.com

H350/H350R
Intelligent Addressable Thermal (Heat) Detectors for use with MS-9600

Section: Addressable Devices

GENERAL

The H350 and H350R model thermal detectors are addressable sensors that use a state-of-the-art thermistor sensing circuit for fast response. These sensors are designed to provide open area protection and are intended for use with the MS-9600 fire alarm control panel.

Both the H350 and H350R sensors provide fixed temperature alarm detection at 135^{0}F. The H350R sensor responds to rate-of-rise conditions of greater than 15^{0}F/minute.

Two LED's on each sensor light to provide a local, visible sensor indication. Remote LED annunciator capability is available as an optional accessory (Part No. RA400Z).

FEATURES

SLC Loop
• Two-wire SLC loop connection.

Addressing
• Addressable by device.
• Direct Decade 01-159 (MS-9600) entry of address.

Architecture
• Sleek, low-profile, stylish design.
• State-of-the-art thermistor technology for fast repsonse.
• 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^{0}F (58^{0}C).
• Rate-of-Rise model (H350R), 15^{0}F (8.3^{0}C) per minute.
• 360^0-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.

7270-0075:195

H350

heatdet.tif

APPLICATIONS

Use thermal detectors for protection of property.

CONSTRUCTION

These detectors are constructed of Bayblend® in an off-white color.

The H350 and H350R plug-in intelligent thermal detectors are designed to commercial standards and offer an attractive appearance.

INSTALLATION

The H350 and H350R plug-in intelligent thermal detectors use a detachable base to simplify installation, service and maintenance. Installation instructions are shipped with each detector.

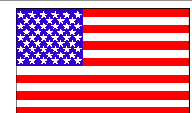Mount base (all base types) on box that is at least 1.5" (38.1 mm) deep. Suitable boxes include:

• 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).

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

Bayblend® is a registered trademark of Bayer Corporation.

ISO 9001 CERTIFIED
ENGINEERING & MANUFACTURING

Made in the U.S.A.

OPERATION

Each H350 or H350R uses one of 159 possible addresses (MS-9600) on a control panel SLC loop. It responds to regular polls from the control panel and reports its type and the status. If it receives a test command from the panel (or a local magnet test), it stimulates its electronics and reports an alarm. It blinks its LEDs when polled and turns the LEDs on when commanded by the panel . The H350 and H350R offer features and performance that represent the latest in thermal detector technology.

SPECIFICATIONS

Diameter: 6.1" (155 mm) installed in B350LP.

Height: 2.0" (51 mm).

Weight: 5 oz. (150 gm).

Installation temperature: -4^0 to 100^0 F (-20^0 to 38^0 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.

Fixed Temperature setpoint: 135^0 F (57^0 C).

Rate of Rise detection: Responds to greater than 15^{0}F/min.

PRODUCT LINE INFORMATION

H350	Intelligent thermal sensor (B350LP base included).
H350R	Same as above with Rate-of- Rise feature.
RA400Z	Remote LED. Mounts to a single-gang box.
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).
M02-04-00	Test magnet.
B224RB	Plug-in System Sensor relay detector base. Diameter: 6.2" (157 mm). Mounting: 4" (102 mm) square box with or without plastic ring, 4" octagon box, 3 1/2" octagon box. All mounting boxes have a minimum depth of 1.5" (38 mm).
B501BH	Plug-in System Sensor sounder detector base. Diameter: 6.0" (153 mm). Mounting: 4" (102 mm) square box with or without plastic ring. Mounting box has a minimum depth of 1.5" (38 mm).