

HM-FHSE-UL-W, HM-RHSE-UL-W, HM-HTSE-UL-W

| Addressable Heat Detectors

APPLICATION

The Honeywell Morley IAS HM-FHSE-UL-W, HM-RHSE-UL-W, HM-HTSE-UL-W addressable plug-in thermal detectors are designed for both performance and aesthetics and are a direct replacement for the HM-FHSE-UL, HM-RHSE-UL, HM-HTSE-UL Series. A new modern, sleek, contemporary design and advanced thermal technologies make the detectors ideal for both system operation and building design.

Exclusively for use with Honeywell Morley IAS addressable fire alarm control panels, the detectors point ID capability allows each detector's address to be set with rotary, decimal address switches, providing exact detector location for emergency personnel to quickly locate a fire during its early stages, potentially saving precious rescue time while also reducing property damage. Two LEDs on each sensor light to provide a local, visible sensor indication.

The detectors includes fixed temperature, rate-of-rise and high heat fixed temperature detectors that provide effective, intelligent property protection for a variety of applications. Detectors are available for CLIP applications as designated.



FEATURES

SLC LOOP

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

ADDRESSING

- Addressable by device
- Rotary, decimal addressing (Refer to the compatible panel manuals for device capacity.)

ARCHITECTURE

- Designed to meet UL 268 7th Edition
- 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

Honeywell

MORLEY IAS
FIRE SYSTEMS

OPERATION

- Fixed temperature model HM-FHSE-UL-W factory preset to 135°F (57°C)
- LEDs blink every time the unit is polled
- Rate-of-rise model HM-RHSE-UL-W, 15°F (8.3°C) per minute
- High-temperature model HM-HTSE-UL-W factory preset to 190°F (88°C)
- 360°-field viewing angle of the two visual alarm indicators, LEDs blink red in Normal condition and turn on steady red in Alarm

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

OPTIONS

- Remote LED output connection to optional RA100Z remote LED annunciator

INSTALLATION

The plug-in intelligent thermal detectors use a detachable base to simplify installation, service and maintenance. Installation instructions are shipped with each detector. Mount detector base (all base types) on an electrical backbox which is at least 1.5" (3.81 cm) deep.

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.

APPLICATIONS

Use thermal detectors for protection of property. For further information, refer to I56-6525, Applications Manual for System Smoke Detectors, which provides detailed information on detector spacing, placement, zoning, wiring, and special applications.

CONSTRUCTION

These detectors are constructed of fire-resistant plastic. The plug-in intelligent thermal detectors are designed to commercial standards and offer an attractive appearance.

OPERATION

Each detector uses one of the panel's addresses (total limit is panel dependent) on the Signaling Line Circuit (SLC). 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 detector Series offers features and performance that represent the latest in thermal detector technology.

PRODUCT LINE INFORMATION

HM-FHSE-UL-W: Ivory, low-profile intelligent 135°F fixed thermal sensor, CLIP

HM-RHSE-UL-W: Ivory, low-profile intelligent rate-of-rise fixed thermal sensor, CLIP

HM-HTSE-UL-W: Ivory, low-profile intelligent 190°F thermal sensor, CLIP

INTELLIGENT BASES

B300-6-IV: Ivory, 6" base, standard flanged low-profile mounting base (System Sensor Branded/UL approved)

B501-IV: Ivory color, 4" standard European flangeless mounting base. UL listed

MOUNTING KITS AND ACCESSORIES

M02-04-00: Test magnet

M02-09-00: Test magnet with telescoping handle

CK300-IV: Color Kit (includes cover and trim ring), ivory, 10-pack

SYSTEM SPECIFICATIONS

Size	2.0" (5.3 cm) high; base determines diameter – B300-6-IV: 6.1" (15.6 cm) diameter – B501: 4" (10.2 cm) diameter
Shipping weight	3.4 oz. (95 g)
Operating temperature range	HM-FHSE-UL-W, HM-RHSE-UL-W: -4°F to 100°F (-20°C to 38°C) HM-HTSE-UL-W: -4°F to 150°F (-20°C to 66°C)
Detector spacing	UL approved for 50 ft. (15.24 m) center-to-center
Relative humidity	10% – 93% non-condensing
Thermal ratings	fixed-temperature set point 135°F (57°C), rate-of rise detection 15°F (8.3°C) per minute, high temperature heat 190°F (88°C)
Mounting	B300-6-IV flanged base, included

ELECTRICAL SPECIFICATIONS

Voltage range	15 - 32 volts DC peak
Standby current (max. avg.)	200µA @ 24 VDC (one communication every 5 seconds with LED enabled)
Max current	4.5 mA @ 24 VDC ("ON")

LISTINGS AND APPROVALS

Listings and approvals below apply to these detectors. In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- UL Listing: S36217

For more information,

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