# HML/RHSE
# RATE OF RISE & FIXED TEMPERATURE THERMAL DETECTOR

The HML/RHSE thermal detector forms part of the HML Series range of addressable detectors. This range of detectors has been produced using the latest in manufacturing and design techniques, pushing out the boundaries of existing detector technology.

The HML/RHSE thermal detector incorporates an Application Specific Integrated Circuit (ASIC). Combined with the latest in thermal element technology the detector provides efficient and accurate detection of fires, especially in environments such as bars or kitchens where smoke detectors are inappropriate due to the high level of airborne contamination.

The HML/RHSE and other detectors in the HML Series range are backward compatible with the Series 100 detector bases, thus providing the capability to upgrade, extend and maintain existing Series 100 installations. The HML/RHSE detector incorporates a bi-colour LED indicator. The integral LED changes colour according to the detector's status - Green = Normal, Red = Alarm. This benefits the user by providing clear, instant visual indication of the detector's condition. The Green LED can be programmed for blink/no blink operation.

The remote hand-held programming unit can also be used in conjunction with the HML Series range of detectors to gain access to other advanced features. The features available include: read/write last maintenance date, read value of thermal element and perform an alarm test.

Each unit can be given a unique address that will be displayed on the Honeywell Morley Lite Panel LCD whenever the detector is in alarm.

All the features via the hand-held programming unit are achieved effectively and effortlessly without the need to remove the detector or having to gain direct physical access (other than by the use of 'No Climb Products' or similar servicing tool), saving valuable commissioning/maintenance time.

They provide the end user with the confidence to know that his system is being regularly serviced and that it is operating at its optimum level, with minimum disruption to his own business activities.

## FEATURES

- Low profile design
- Low current draw
- Backward compatible with Series 100 detector range of bases
- Wide operating voltage 8 to 30VDC
- Bi-colour LED detector status indicator
- Programmable sensitivity
- Addressable feature
- Advanced maintenance features via remote hand-held test unit
- Range of detector bases available

Honeywell

# HML/RHSE ARCHITECT/ENGINEER SPECIFICATIONS

## HML/RHSE RATE OF RISE & FIXED TEMPERATURE THERMAL DETECTOR

Each unit can be given a unique address that will be displayed on the Morley Lite fire alarm control panel whenever the detector is in alarm. All the features via the hand-held programming unit are achieved effectively and effortlessly without the need to remove the detector or having to gain direct physical access (other than by the use of 'No Climb Products' or similar servicing tool), saving valuable commissioning/maintenance time. They provide the end user with the confidence to know that his system is being regularly serviced and that it is operating at its optimum level, with minimum disruption to his own business activities.

A variety of detector bases can be used with the HML/RHSE detector, providing application flexibility and compatibility with a wide range of Fire Alarm Control Panels. All bases are fitted with a shorting spring to permit circuit testing prior to fitting the detector and have a tamper resistant feature, which when activated prevents removal of the detector without the use of a tool.

All Morley Lite products are covered by standard 1 year warranty.

| ELECTRICAL SPECIFICATIONS | |
|---|---|
| Operating Voltage Range | 8 to 30VDC (Nominal 12/24VDC) |
| Typical Standby Current @ 25ÞC | 60µA @ 24VDC (LED no blink) |
| Maximum Alarm Current (LED On) | 80mA @ 24VDC (Limited by panel) |

| ENVIRONMENTAL SPECIFICATIONS | |
|---|---|
| Application Temperature Range | -30ºC to +70ºC |
| Humidity | 5 to 95% Relative Humidity (non condensing) |

| MECHANICAL INFORMATION | |
|---|---|
| Height | 48mm (plus 9mm for B401 base) |
| Diameter | 102mm |
| Weight | 105g (plus 60g for B401 base) |
| Max Wire Gauge for Terminals | 0.75mm$^2$ to 2.5mm$^2$ |
| Colour | Pantone Warm Grey 1C |
| Material | Bayblend FR110 |

Notes: Bases with other resistor values are available to suit the requirements of most Honeywell Morley Lite Panels.

## PRODUCT RANGE

| COMPATIBLE BASES (see notes) |
|---|
| B401 Standard Base |
| B401R Resistor base with 470 ohm resistor |
| B401RSD Standard base with 470 ohm resistor and Shottky diode |
| B401RM Standard recess base with 470 ohm resistor |
| B401DGR Deep base with 470 ohm resistor |
| B312NL 12V non-latching relay base |
| B324RL 24V latching relay base |
| B312RL 12V latching relay base |
| B401DGSD Deep base with Shottky diode |
| B401SD Standard base with schotty diode |
| B401DG Deep base |

| ACCESSORIES |
|---|
| S300RPTU Remote Programming and Test Unit |
| S300SAT Remote Programming Interface Unit |
| S300ZDU Zonal Display Unit |

| OTHER HML DETECTOR |
|---|
| HML/PSE & HML/PTSE |

**For more information,**
https://honeywellbuildings.in
Call: 1-800-103-0339
Email: HBT-Indiabuildings@honeywell.com

**Honeywell HBT India Buildings**
Unitech Trade Center, 5th Floor, Sector-43,
Block C, Sushant Lok Phase - I,
Gurgaon - 122 002







Honeywell