Honeywell

MORLEY IAS
FIRE SYSTEMS

MODEL HML/RHSE

ADDRESSABLE

RATE OF RISE & FIXED
TEMPERATURE THERMAL DETECTOR

HONEYWELL MORLEY LITE SERIES

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

DESCRIPTION

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.

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 our 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	0.75mm2 to 2.5mm2
Colour	Pantone Warm Grey 1C
Material	Bayblend FR110

PRODUCT RANGE

Compatible Bases (see notes)
B401 Standard Base
B401SD Standard base with schotty diode
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
B401DG Deep base
B401DGR Deep base with 470 ohm resistor
B401DGSD Deep base with Shottky diode
B312NL 12V non-latching relay base
B312RL 12V latching relay base
B324RL 24V latching relay base

Accessories
S300RPTU Remote Programming and Test Unit
S300SAT Remote Programming Interface Unit
S300ZDU Zonal Display Unit

Other HML Detectors
HML/PSE & HML/PTSE

Notes: Bases with other resistor values are available to suit the requirements of most Fire Alarm Control Panels.

Honeywell