

features

- Low-profile design
- Common base for optical, ionisation and thermal sensors
- Addressable-analogue communication
- Stable communication technique with noise immunity
- Low stand-by current
- Rotary decade 01 to 99 address switches
- Remote LED output as standard
- Dual LED design provides 360° viewing angle
- Visible LED's blink every time the detector is addressed (optional), and illuminate steady on alarm
- Built-in functional test switch activated by external magnet
- Optional relay, isolator, or sounder bases
- LPCB approved

The Morley-IAS MI-PSE (optical) and MI-ISE (ionisation) are analogue, addressable, low-profile smoke detectors designed for the ZX series intelligent multi protocol fire alarm control panels.

Because the MI-PSE and MI-ISE are analogue addressable, the control panel can provide the operator with a pinpoint description of where the fire is located. The control panel is capable of not only knowing the detector's location but exactly how much smoke is in the chamber of the detector.

The detector may be set for different sensitivity settings appropriate to the environment of its location.

The MI-ISE intelligent ionisation sensor incorporates a unique single-source chamber designed to respond quickly and dependably to a broad range of fires.

The MI-PSE intelligent optical sensor's unique sensing chamber is designed with superior signal to noise ratio. The optical chamber is engineered to sense the presence of smoke produced by a wide range of combustion sources.

The MI-ISE and MI-PSE plug-in detectors use a separate base to simplify installation, service, and maintenance. A special tool allows maintenance personnel to plug in and remove detectors without using a ladder.



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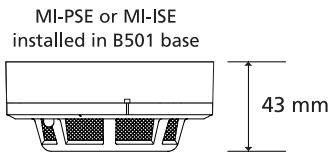
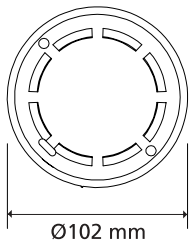


Morley-IAS Low Profile Smoke Detectors Data Sheet

177(0102)

mechanical

Dimensions (Height): 43 mm (installed in B501)
 102 mm diameter
 Weight: 104 gr. (4 oz)
 Operating temperature: - 10°C to 60°C
 Relative humidity: 10% to 93%
 non-condensing



electrical

Operating voltage: 15 to 32 Vdc peak
 Current consumption:
 Stand by current: 200 μ A @ 24 Vdc
 LED current: 7 mA @ 24 Vdc ("ON")
 Terminals: SEMS screws with
 clamping plates for up to
 2.5 mm² (13 AWG) wire

approvals



REF: 199b/07



REF: 199m/02

part numbers

EN54

MI-ISE

Low profile intelligent ionisation sensor. (LPCB REF: 199b/07)

MI-PSE

Low profile intelligent optical sensor. (LPCB REF: 199m/02)

Other accessories:

MOD400R

Detector sensitivity test tool. Use with most analogue or digital multimeters.

SMK400

Surface mounting kit provides for entry of surface wiring conduit. For use with B501 base only.

RMK400

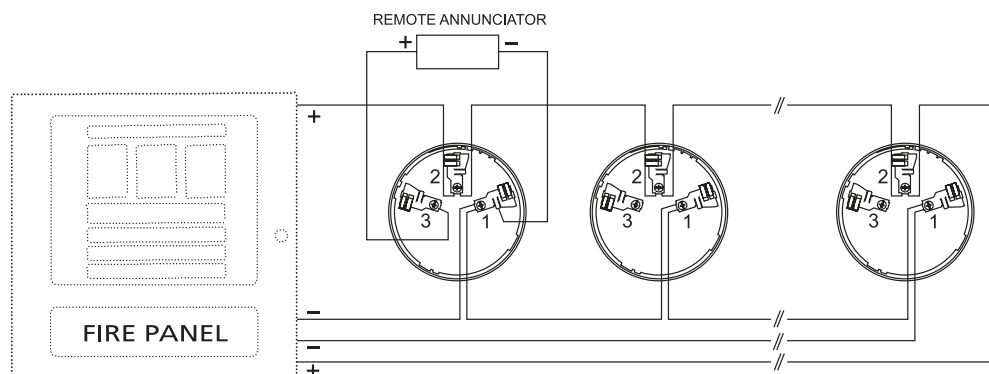
Recess mounting kit. For use with B501 base only.

B501

Detector mounting base

B501IEFT

Detector mounting base fitted with loop isolator.



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