

Common Detector Base, Duct Probe and Beam Detector



MDB700 common mounting base

As well as the the obvious aesthetic and performance benefits, the Series 700 range is also designed for absolute installation convenience – by virtue of the Common Mounting Base. All Series 700 detectors are mounted directly on to the MDB700, simultaneously easing the task of installation and providing complete interchangeability between units. In addition, the base incorporates a secure locking tab and has terminals for the connection of a remote indicator.

MDP201 Duct probe

The unit is designed for use with the Menvier photoelectric smoke detector with either a standard common mounting base or an addressable base.

The presence of smoke in ventilation ducting is detected by sampling the airflow through it.

It also features a position indicator encouraging the correct orientation of the detector for optimum viewing of the LED. This is important when carrying out a search to determine which detector has operated.

The Common Mounting Base is compatible with all Menvier Series 700 Detectors (both conventional and analogue addressable systems).

MAP740 adaptor plate

Total versatility of the Series 700

range is achieved with the MAP740 adaptor plate.

Adding the adaptor plate to the Series 700 Detector enables the range to be used with standard MAB640 addressable detector bases on addressable systems, and as replacements for previously installed Series 600 detectors on conventional systems. No unit or wiring modifications are needed to use the low profile Series 700 fire detectors with previously installed systems.

Specification

MDB700 – Common Mounting Base

Supply Voltage	15 – 30V DC
Colour	White
Mounting Centres	50-84mm
Weight	65g
Dimensions	100mm dia x 16mm

Order Codes

MDB700	Common mounting base for use with MF9300 Series
MAP740	Adaptor Plate

Specification

Duct Width Range	300mm to 1500mm
Duct Air Speed Range	1m/s to 20m/s
Temperature Range	-20°C to 60°C
Dimensions (Sampling Chamber)	188mm x 188mm x 132mm
Weight	1.3kgm

Order Code

MDP201	Duct Probe (Detector and base not included)
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Specification

Range	10-100 metres
Area of Coverage	1500 m ² max
Operating Voltage	24V DC
Dimensions	Heads 83mm x 115mm x 136mm
	Control unit – 210mmH x 160mmW x 80mmDm

Order Code

MBD100A	Beam Detector Set
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This product is supplied from an ISO9000 Quality Assured Source.

The detector and base are mounted in the sampling chamber which is fixed to the outside of the ducting with the unit and exhaust probes passing into the duct. The duct probe is supplied with full fixing instructions including a mounting template.



MBD100A Beam detector

Designed to meet the requirements of BS5839 Pt 5, the detector consists of a transmitter, receiver and control unit. The system operates by projecting an infra-red beam across the protected area.

A maximum span of 100 metres between transmitter and receiver makes the detector ideal for situations where access to point type detectors and hence installation and maintenance would prove difficult.

With control and indicating facilities located at ground level the MBD100A beam detector is ideal for applications such as warehouses, industrial plants and shopping centres.



Note: to provide standby periods recommended by BS5839 Pt 1, power supply units are required for the MBD100A beam unit. Menvier sales department should be consulted for details.



Remote Indicator, Door Release and Heavy Duty Relay

Remote indicator

This indicator is for use where the indicator on the detector would not normally be visible, e.g. ceiling and floor voids, cupboards, normally locked rooms such as hotel bedrooms. The indicator consists of an LED mounted on a flush single gang plate, suitable for mounting on a standard switch box. The indicator has a connector block and is wired from the relevant detector base.



Order Code

MIR195 Remote detector indicator



Magnetic door release unit

The magnetic door release unit is for use in conjunction with Menvier fire systems, to enable fire doors to be kept open under normal conditions, and to close of their own accord should an alarm condition occur. The door must be fitted with a self-closing mechanism. The unit consists of

two parts, a special metal plate which is fitted to the fire door and a solenoid unit which is suitably positioned on the adjacent wall. A manual release button is fitted in the side of the solenoid unit. A Menvier Heavy Duty Relay (MAR 724) is required to interface the release unit with the fire control panel.

Specification

Type	MDR240	*MDR24L
Voltage	230±10%V AC	24V DC
Power Consumption	2VA	2VA
Holding Force	40Kg	45Kg
Dimensions	90mm square x 52mm deep	90mm square x 52mm deep
Weight	1kg	1kgm

*Require separate transformer rectifier unit to supply the load. (Code FASP0429).

Order Codes

MDR240	AC Magnetic Door Release unit
MDR24L	DC Magnetic Door Release unit (requires a separate transformer/rectifier unit Code FASP0429)
FASP0429	24V DC 1 Amp Transformer/Rectifier
ZMDRFBB	Floor mounting bracket

Heavy duty relay

This relay unit may be used for switching heavy loads on fire alarm systems, such as door release units, plant shutdown, smoke ventilators, etc.

The unit is provided with a double gang back box, has two sets of normally open/normally closed changeover contacts and a visible indicator to show when the relay is energised.



Specification

Coil Rating	24V DC 10mA
Contact Rating	10A at 240V AC or 30V DC
Contacts	2 x changeover contacts
Dimensions	146 x 86 x 30* mm
Weight	0.24Kg

*Depth of 30mm does not include back box

Order Code

MAR724 Heavy duty relay

