

# REFLECTIVE BEAM DETECTOR

- **No power supply required**
- **Simple to install**
- **Compact**
- **Simple to set up**
- **Up to 100 Metre range**

The Menvier, zone/loop powered reflective beam detectors are specifically designed to function with either Menvier or JSB conventional and analogue panels.

Two versions are available, one with a range of up to 50 Metres, the other with a range of 50 - 100 Metres.

The units are extremely simple to install, they require no separate power supply, operate on a reflective principle and have a simple set up mode to enable easy and quick alignment during installation.



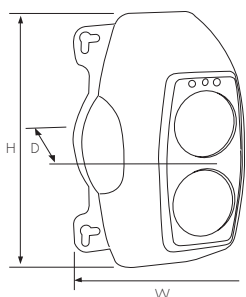
### SYSTEM OVERVIEW

- Beam detectors replace individual point detectors in large open areas such as warehouses, advantages include:
  - Single device to install instead of numerous point detectors
  - Provides single point of maintenance.
  - Wall mounted for ease of maintenance, especially in warehouses with racking
- Beam detector is supplied with reflector (single reflector for 50 Metre version and 4 individual reflectors mounted together for 100 Metre version)
- Beam detector is powered directly from the zone or loop, no additional power supply is required
- Simple two wire connection
- Fire and fault conditions are signalled to panel using standard zone or loop wiring no additional interconnection required
- Only one beam detector may be connected per zone
- Reflective beam detector is specifically designed to operate with Menvier and JSB panels, use with other types of panels is not recommended
- Special version available to work with external power supply if multiple beam detectors to be connected to a single zone
- Sensitivity setting can be altered by DIP switches on rear of beam detector
- IP40 protection

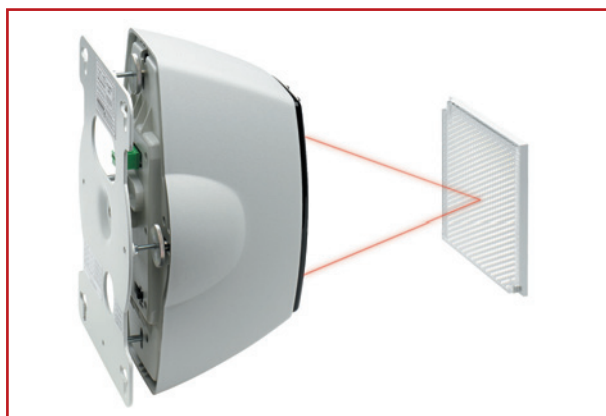
### USER INTERFACE

- Beam detector has two status LEDs
  - RED LED constantly illuminated indicates fire condition
  - Flashing amber LED indicates fault condition

### DIMENSIONS



H (mm)	W (mm)	D (mm)	Weight (Kg)
212	128	120	0.8



Combined transmitter and receiver for ease of installation

### SYSTEM FUNCTIONALITY

- Beam detector has 3 modes of operation
  - Prism targeting mode - designed to provide simple initial alignment of beam and reflector assembly
  - Alignment mode - Enables accurate fine tuning of beam alignment without the need for additional calibration equipment or a second operator
  - Normal running mode

### INTERFACE OPTIONS

- Conventional versions are connected directly to Menvier or JSB conventional panels
- Analogue versions compatible with suitable Menvier analogue panels

### INSTALLATION NOTES

- Must be fixed to solid structure
- Recommended mounting height is 0.3 to 0.6 metres below the ceiling
- Only 1 conventional reflective beam allowed per control panel zone, if multiple beams per zone required, special externally powered version available
- Cables can be terminated into separate termination box (not supplied) or use purpose designed mounting bracket (MRBFP) ordered separately
- Mounting bracket has facilities for glanding of incoming cables plus simple fixing of beam detector
- Test filter is supplied with detector to simulate required smoke obscuration level and confirm correct operation

### CATALOGUE NUMBERS

Cat. No.	Description
MBD50R	Conventional reflective beam detector 50m range
MBD100R	Conventional reflective beam detector 100m range
MAB50R	Analogue reflective beam detector 50m range
MAB100R	Analogue reflective beam detector 100m range
MRBFP	Mounting bracket



Optional mounting bracket with cable clamp facilities

# REFLECTIVE BEAM DETECTOR