



**MULTRON** Reflective Beam Detector is a reflective infrared beam smoke detector, which must be used together with reflectors. The number of reflector(s) to be used (1 to 4) depends on the distance of coverage from the detector.

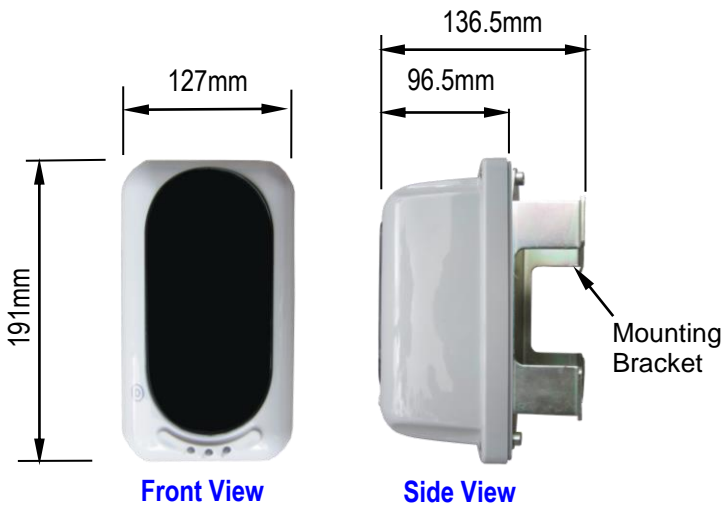
With built-in microprocessor, the detector has capabilities of analysis and judgment. The detector can automatically carry out system adjustment & compensation due to variations in ambience data through fixed algorithm.

The detectors can be used with all major brands of Conventional Fire Alarm Panels.

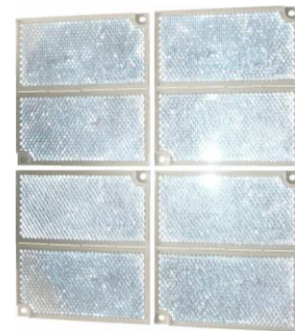
- **Hassle free alignment, using built-in digital guide display with Laser Beam**
- **Auto-compensation for weaken receiving signals**
- **Fire & Fault Interfacing Relay Output**
- **Users' programmable sensitivity**
- **Self-diagnostic for internal faults**
- **Designed in compliance to EN 54-12: 2002 Standards**
- **LPCB Approved**



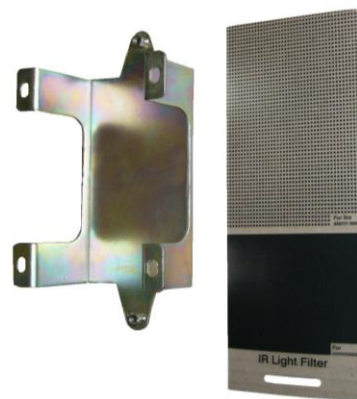
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**Standard Accessories :-**



**4 pcs. Reflector**



**1 pc. Mounting Bracket**

**1 pc. IR Light Filter  
(for site testing simulations)**

Technical Specifications	
Operating Voltage	24VDC (Range 20VDC to 28VDC)
Operating Current	Standby Current : ≤ 18mA
	Alarm Current : ≤ 33mA
Detection Range	Distance from 8m to 100m
Monitoring Area	Maximum Area : 14 x 100 = 1400m <sup>2</sup>
	Maximum Width : 14m
Wiring	Non-Polarized Two-Core 24VDC
	Non-Polarized Two-Core Detection Loop
Operating Environment	Temperature Range : -10°C ~ +55°C
	Relative Humidity : ≤ 95% Non-condensation
Weight	650 Gram (with Mounting Bracket)
Material	ABS Plastic
IP Rating	IP30
Colour	Grey with Black Screen

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**MULTRON** Reflective Beam Detector is a reflective infrared beam smoke detector, which must be used together with reflectors. The number of reflector(s) to be used (1 to 4) depends on the distance of coverage from the detector.

With built-in microprocessor, the detector has capabilities of analysis and judgment. The detector can automatically carry out system adjustment & compensation due to variations in ambience data, through fixed algorithm with indications by LED and signal through the output terminals.

The detector sensitivity can be field adjustable, to increase the range of application.

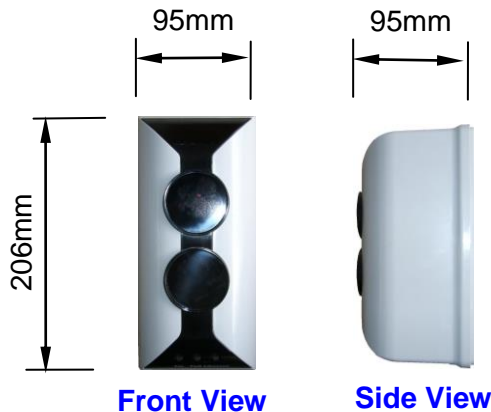
The detectors can be used with all major brands of Conventional Fire Alarm Panels, and our range of Addressable Fire Alarm Panels.



Approved by LPCB in compliance to EN 54-12: 2002

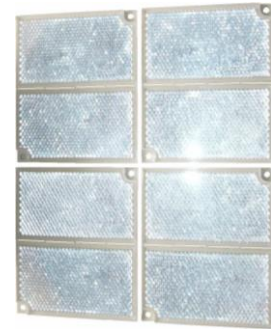
### Applications :-

- ❖ Warehouse
- ❖ Shopping Mall
- ❖ Hotel Lobby
- ❖ Exhibition Hall
- ❖ Museums, etc



Technical Specifications	
Operating Voltage	24VDC (Range 15VDC to 28VDC)
Operating Current	Standby Current : ≤ 8mA
	Alarm Current : ≤12mA
Detection Range	Distance from 8m to 100m
Monitoring Area	Maximum Area : 14 x 100 = 1400m <sup>2</sup>
	Maximum Width : 14m
Wiring	Non-Polarized Two-Core 24VDC
	Non-Polarized Two-Core Detection Loop
Operating Environment	Temperature Range : -10°C ~ +50°C
	Relative Humidity : ≤95%
Dimensions	206mm (Ht) x 95mm (W) x 95mm (D)
Weight	450 Gram
Material	ABS Plastic
IP Rating	IP20
Colour	Grey & Black

### Standard Accessories :-



4 pcs. Reflector



1 pc. Mounting Bracket

1 pc. IR Light Filter  
(for simulation testing at site)

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