

Chubb Infra-Red BeamMaster 50R/100R

Fire Systems

Prevent Fire | Detect Fire | Contain Fire | Escape Fire

Product

Infra-Red
BeamMaster
Smoke Detector



System Benefits

The Chubb BeamMaster Reflective Smoke Beam Detector consists of a reflector and a wall mounted unit that contains the Receiver and emitter in one housing. The unit detects the fire condition by using a near infra-red beam to detect smoke using the light obscuration method. Compact design and aesthetic appearance make the Reflectives Beam detector suitable for both industrial use and areas where architectural considerations are paramount.

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Benefits

Single Compact Housing

Both Beammaster 50R and Beammaster 100R consist of a transmitter and receiver housed within the same enclosure.

Simple Operation

During normal operation an infra-red beam is emitted from the transmitter. The infra-red beam which is reflected back to the receiver via a prism mounted directly opposite is analysed for smoke presence.

Automatic Contamination Compensation

Any gradual reduction in the infra-red signal received at the receiver through environmental contamination is automatically compensated for within the detector.

Selectable Alarm Thresholds

Alarm thresholds of 25%, 35% or 50% obscuration can be selected to suit the environment.

Reduced Installation Costs

As the emitter and receiver are housed in the same unit there is no need to run power cables to two separate locations, resulting in reduced installation time and reduced installation material costs.

Wide Application

Beammaster 50R is used to protect areas between 5m to 50m while Beammaster 100R will protect areas between 50m and 100m. Both units are suitable for use in applications such as shopping malls, churches, leisure centres, warehouses & factories.

Standards

Complies with BS5839 part 5.

Technical Data

	Beammaster 50R	Beammaster 100R
Operating range	5m to 50m	50m to 100m
Supply voltage	10.2 vdc to 30 vdc	
Quiescent current	< 4 milli amps	
Alarm current	< 15 milli amps	
Power down reset time	> 5 seconds	
Operating temperature	-30°C to 55°C	
Fire alarm thresholds	25%, 35%, 50%	
Optical wavelength	880nm	
Head maximum size	130mm (W) x 210mm (H) x 120mm (D)	
Weight	670 grams	
Part numbers	F850558N	F850559N

Chubb Fire, helping you to:

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call **0800 32 1666** or visit **www.chubb.co.uk**

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