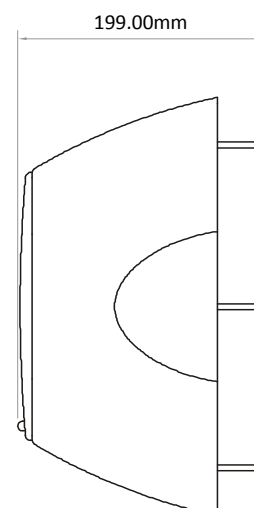
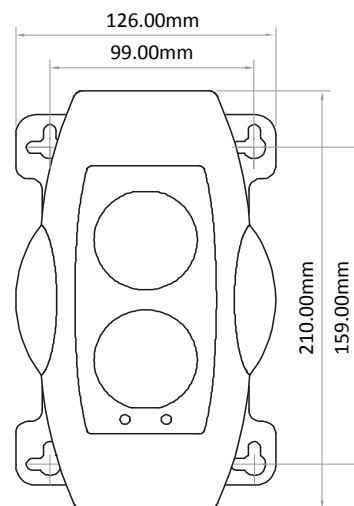


Product Data Sheet: FireRay Reflective Beam Detectors



Dimensions



Description

The FireRay reflective beam smoke detector system comprises of a single unit incorporating an infrared Transmitter and Receiver. The signal is reflected by a prism and analysed for smoke presence. Should a predetermined level be reached, a fire condition is activated. The system is designed to be mounted so that the beam will project between 0.3 and 0.6 metres below and parallel to the ceiling. Lateral detection may be up to 7.5 metres either side of the beam.

With its single compact housing, each FireRay beam detector can operate over a distance of 50 metres or 100 metres, depending on model selected.

The FireRay benefits from robust construction, easy installation/alignment and low current consumption. Both models conform to BS5839 part 5, EN54 part 12 and UL.

Technical Information

Part Number:	FIREREF - 50	FIREREF - 100
Voltage Range:	12 - 24Vdc $\pm$ 10%	
Current Consumption:	4mA (quiescent) 14mA (alarm)	
Temperature Range:	- 30 to + 55°C	
Protection:	IP50	
Finish:	Grey / Black	
Weight (per unit packed):	700g	

Connection

Pin No	Wire Colour	Signal Description
1		N/A
2	BLUE	Fire relay common (COM) connection
3	YELLOW	Fire relay normally open (NO) connection
4	RED	Positive Supply +10.2 to +30Vdc
5	BLACK	Negative Supply
6	GREEN	Fault relay normally closed (NC) connection
7	WHITE	Fire relay common (COM) connection
8		N/A