



FIRERAY 2000

Optical Beam Smoke Detector

FEATURES

- Area Coverage up to 1500m²
- 12 - 24v Operation
- Selectable Sensitivity Levels
- Low Current Consumption
- Low Level Electronics
- Robust Metal Construction
- Self Check and Automatic Compensation
- Conforms to BS 5839 Part 5

GENERAL DESCRIPTION

The system comprises of a Transmitter Unit which projects a modulated infra-red light beam to a Receiver Unit. The received signal is analysed and should smoke be present for a predetermined time 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. The Control Unit must be located within 100 metres cable run of the Receiver Unit.

APPLICATIONS

Warehouses, Factories, Shopping Malls, Leisure Centres, Churches,

Museums, Power Stations, Industrial Plants.

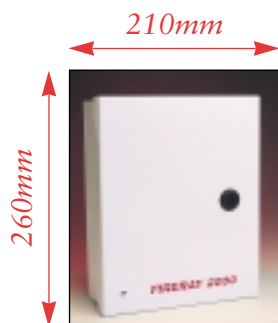


Fire Fighting Enterprises Ltd.



Number FM01794
BS EN ISO 9001

SINGLE & FOUR CHANNEL LOW LEVEL CONTROLLER



CONSTRUCTION

Housing: Double pressed sheet steel

Rating: IP50

Finish: White Ral 9010

Weight: 2.25kg (Single channel)

8.25 kg (Four channel)

ELECTRICAL

Input Voltage: 12-24vDC

Quiescent Current: 8mA @ 24vDC per channel

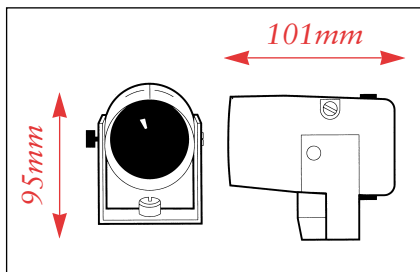
Fire Alarm Threshold: approx 2db.

Protection: 100mA fuse per channel

Temperature Range: -20°C to + 55°C



OPTICAL DETECTOR HEADS



CONSTRUCTION

Housing: Zinc Alloy

Rating: IP50

Finish: White Ral 9010

Weight: 400gms

ELECTRICAL

Transmitter: 12-24vDC (nominal)

Receiver: Supplied by Controller.

Transmitter Supply Current: 5mA @ 24vDC.

Receiver Input Current: Not Applicable.

Temperature Range: -20°C to + 55°C.

Alignment: External Universal Bracket.

DESIGNED TO BRITISH STANDARD BS5839 PART 5
SINGLE CHANNEL APPROVED TO: Vds - UL - CNBOP - SSL1207.



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