FD2705R

2000 series addressable reflective beam detector 5 - 50m

General

The FD2705R and FD2710R provides an integral, loop powered analogue addressable reflective beam detector up to 100m distance.

Configuration

The FD2705R and FD2710R consist of an infrared transmitter and receiver in one single compact housing. The infrared signal is reflected by a prism and analysed for smoke presence. It is particularly designed to be use where point smoke detectors are not practical due to height or inaccessibility.
The FD27xxR series units are loop powered for connection to 1200/2000 series fire panels. They use the Aritech 2000 series protocol.

Installer friendly

Wiring is restricted to a minimum as the transmitter and receiver are in the same housing. The detector is very easily aligned by means of checking the alignment LEDs. Easy alignment ensures optimum operation, both electrically and mechanically. The unit is easily tested using the graduated obscuration test card supplied.
The low power consumption of the units allows multiple beams to be powered on the same loop without compromising the system's autonomy.

Reducing false alarms

Various alarm thresholds may be selected from to suit the environment. If the signal reduces to below the selected threshold and is present for ±10 seconds, a fire condition is signalled. If the infrared beam is obscured rapidly to a level of 90 % or greater for ±10 seconds, a fault condition is signalled. The detector monitors long term degradation of signal strength caused by component ageing or build up of dirt on optical surfaces.



Détails

- Loop Powered
- 2000 series protocol
- Area coverage up to 600 m²
- Range from 5 - 50 m and 50 - 100 m
- Up to ceiling heights of 25 m
- Low current consumption
- 3 selectable alarm thresholds
- Self check and automatic contamination compensation
- Automatic discrimination between fire and fault
- Vertical or horizontal mount
- Easy wiring and unique alignment
- Microprocessor controlled
- Conforms to BS5839 part 5 and EN54

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Spécifications techniques

General

Addressing method	DIP Switches

Electrical

Power supply type	Loop powered

Detection

Optical wave length	880 nm

Physical

Colour	Black, Grey
Mounting type	Wall mount
Material (body)	Flame retardent ABS

Environmental

Vandal proof	No
Environment	Indoor

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR

Produits compatibles

Catégorie	Référence	Description
Detection device	FD-MB10	Mounting Bracket For Use With FD700, FD900, FD2700 And FDR-EZ Series
Detection device	OR2000	Réflecteur optique, 10 x 10 cm

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