

## SMOKE DETECTOR



**The Minibeam V is a reflection optical beam smoke detector suitable for all installation where low aesthetic impact and wide coverage pattern are required. Tx & Rx are housed within the same plastic box, reducing the length of cable required for wiring and easy to install. Maintenance is extremely reduced due to the absence of lenses.**

Minibeam V has a maximum beam length of 40 m which allows a covered area of 600 m<sup>2</sup> with a very high reliability along the time.

Transmitter and Receiver are housed within the same plastic box. To the opposite side a reflector send the IR beam back to the receiver.

The ideal installation height is between 0.3 and 0.6 m from the ceiling. Beam emission must be parallel to the ceiling (flat ceiling)

When smoke is present, the infrared beam signal is reduced proportionally to

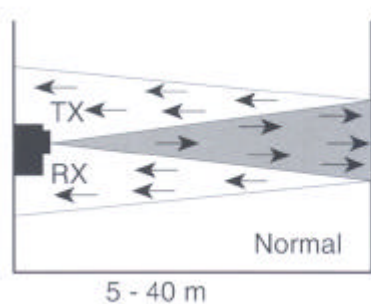
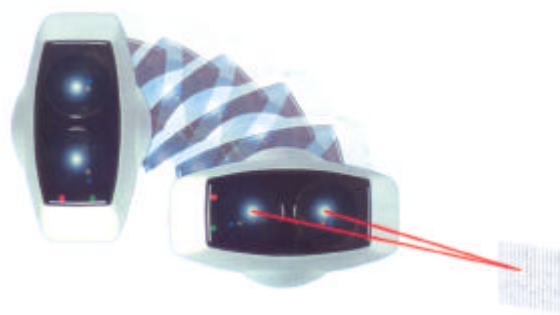
the smoke density crossing the beam. The alarm indication will be generated according to the signal attenuation analysis or beam obscuration.

Minibeam V can be virtually connected to any fire alarm panel due to its multi-connectivity layout. The sensitivity can be programmed in order to have the alarm threshold at levels of 25%, 35% or 50% signal obscuration.

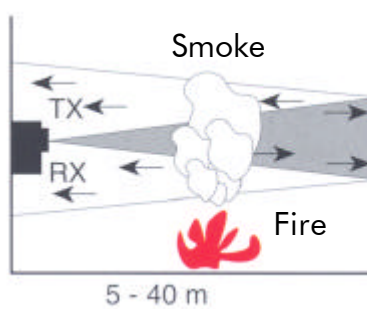
Minibeam V has also a relay output capable of working in alarm latch mode or autoreset. The transparent front cover allows to check the LED indicators to lighten the detector control.

Minibeam V complies with BS 5839 Part 5, EN54 part 12, UL and Vds

## TECHNICAL DATA



Reflector



Reflector

W74331

Minibeam V - Optical Reflection IR Beam Smoke Detector

Operating voltage	From 10.2 to 30.0 Vdc
Detector zones voltage	17 to 28 Vdc
Quiescent line current	4 mA @ 24 Vdc
Alarm current	14 mA
Reset	> 5 sec.
IR Beam Sensitivity	25%, 35%, and 50% of beam obscuration
Working temperature	-30° to +55° C
Material	ABS
IR Wavelength	880 nm
Cable Entries	25 mm holes on the back + 5x20mm holes on the edges
IP Rating	IP55
Weight	0.67 Kg
Dimensions H x W x D mm	210x130x117