

## Discovery - MultiSensor Detector

### Features

- Ideal for a wide range of applications
- Enhanced false alarm management
- Recommended, in specific modes, for hotel bedrooms and hospital wards
- Unaffected by wind or atmospheric pressure
- Well suited for sensitive environments
- Five operating modes approved and certified
- Heat only and optical only options
- Remote test feature
- 360o LED visibility in alarm & Flashing LED option
- Alarm flag for fast alarm reporting
- Insect resistant

### Description

The Discovery MultiSensor Detector comprises optical smoke and thermistor temperature sensors which give both a combined signal as well as a separate heat signal for improved false alarm management.

Discovery is a range of high specification, analogue addressable fire detectors. Discovery detectors offer reliable detection and false alarm management by a combination of approved operating modes and sophisticated algorithms. Discovery has a 'distributed intelligence' system where decisions are made in the detector head as well as the control panel. Drift compensation is also incorporated into the detector, allowing it to adapt to dirty or dusty environments which reduces false alarms.

Each detector in the Discovery range can operate in one of five response modes, which can be selected from the control panel or hand held programmer. The response characteristics have been carefully set so that the detectors comply with the requirements of the relevant standards in all response modes. Mode One will give a higher sensitivity to fire than Mode Five.

Designed for the use in medium to large applications with specific system requirements, Discovery gives you total reassurance in installations where adaptability to changing conditions and protection against unwanted alarms is paramount.



MultiSensor Detector

### Applications

- Hotels
- Hospitals
- University Campus

### Specifications

Operating voltage	17 to 28 VDC	
Quiescent current	400µA average	
Alarm current LED on	3.5mA	
Remote LED current	4mA at 5V	
Dimensions	100mm Dia x 58mm H inc base	
Sensitivity Settings	AS1603	EN54 & AS7240*
Mode 1	6 % obs./m	1.1 % obs./m
Mode 2	8 % obs./m	2.1 % obs./m
Mode 3	12 % obs./m	2.8 % obs./m
Mode 4	14 % obs./m	4.2 % obs./m
Mode 5	Type A	Heat A1R
Operating temp	-40°C to +70°C (no icing)	
Relative humidity.	0 to 95% (non condensing)	
IP rating	IP44 (indoor use)	
Weight	160 grams inc base	

\* Smoke Sensitivity (Grey Smoke)

For further information refer Product Guide MAN3038.

### Item Numbers

Discovery MultiSensor	LPCB (EN54-5 & 7) 58000-700AMP	SAI Global (AS7240-15) 4106-2008	Activfire (1603-1 & 2) 201-0094 (58000-730)
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