

Discovery Multi-Sensor Detector

For Discovery Protocol Analogue Addressable Control Panels

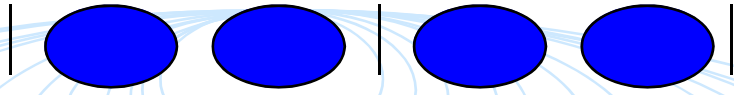


Key Features

- ◆ Ideal for use with Control Equipment's Discovery and Voyager analogue addressable control panels
- ◆ Designed to meet approvals world-wide
- ◆ Five sensitivity bands for different environmental conditions or varying usages at different times of the day or week
- ◆ Drift compensation to ensure the reported analogue count is not affected by extraneous factors such as contamination
- ◆ Dual LED indication for all round visibility
- ◆ Flashing LED in standby indicating that the detector is being polled
- ◆ Automatic addressing with the patented XPERT card
- ◆ Electronics-free base
- ◆ Combines inputs from optical and heat sensors
- ◆ Elegant design and a sleek shape - pure white polycarbonate finish

From the UK's leading control panel manufacturer





Introduction

The Discovery detector range comprises of ionisation and optical smoke detectors, a heat detector and a multi-sensor detector, all with enhanced performance, high reliability and elegant shape. Discovery takes the advanced features of XP95 and adds new dimensions of sophistication. The protocol ensures adaptability and flexibility to changing conditions and enhanced protection against unwanted alarms.

The Discovery multisensor detector contains an optical smoke sensor and a thermistor temperature sensor whose outputs are combined to give the final analogue value. The way in which the two signals are combined depends on the mode selected. The five modes provide response behaviour which incorporates pure heat detection, pure smoke detection and a combination of both.

The multisensor construction is similar to that of the optical detector but uses a different lid and optical mouldings to accommodate the thermistor temperature sensor. The signals from the optical sensor and the temperature sensor are independent, and represent the smoke level and the air temperature in the vicinity of the detector. The detector's micro-controller processes the two signals according to the mode selected.

Technical Specifications

Size of Detector:	50mm high x 100mm diameter
Size of Detector in Base:	58mm high x 100mm diameter
Supply Voltage:	14-28V DC
Quiescent Current:	500 μ A average, 750 μ A peak
Alarm Current:	3.5mA
Alarm Indication:	2 Clear LEDs, Red in alarm

Part Numbers

2501/273	Discovery Multi-sensor Detector (58000-700)
2501/020	XP95 Detector base (45681-210)

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