

# Discovery Heat Detectors

*For Discovery Protocol Analogue Addressable Control Panels*

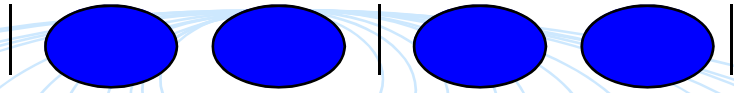


## Key Features

- ◆ 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
- ◆ Ease of installation
- ◆ Elegant design and a sleek shape - pure white polycarbonate finish

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## 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 heat detectors have a low air flow resistance case made of self-extinguishing white polycarbonate. The detectors monitor temperature by using a single thermistor to sense the air temperature around the detector.

The thermistor is connected in a network, which produces a voltage output proportional to the external air temperature. The design of the resistor network, together with the processing algorithm in the microcontroller, gives an approximately linear characteristic from 10°C to 80°C. This linearised signal is further processed, depending on the response mode selected, and converted to an analogue output.

## Technical Specifications

<b>Size of Detector:</b>	42mm high x 100mm diameter
<b>Size of Detector in Base:</b>	50mm high x 100mm diameter
<b>Supply Voltage:</b>	14-28V DC
<b>Quiescent Current:</b>	500µA average, 750µA peak
<b>Alarm Current:</b>	3.4mA
<b>Alarm indication:</b>	2 Red LEDs

## Part Numbers

<b>2501/272</b>	Discovery Heat Detector (58000-400)
<b>2501/020</b>	XP95 Detector base (45687-210)

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