

# DT992

## Apollo Discovery Heat Detector (58000-400)

### General

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The DT992 is an elegant, slim-line addressable heat detector that provides temperature information to the CIE. It uses a single thermistor to sense the air temperature around the detector. With its 5 operating modes, it supports 5 classes of temperature detectors as stipulated by EN54.

### Operating Modes

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Every operating mode has a different behaviour, each suitable for a different application. All modes have a fixed temperature trigger, with optional rate-of-rise selection allowing the detector to respond to a temperature alarm before the fixed level is reached. The DT992 supports A1R (57°C with rate-of-rise), A2R (61°C with rate-of-rise), A2S (61°C static), CR (90°C with rate-of-rise) and CS (90°C static) modes of operation.

### Unique Addressing

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A unique, patented addressing method provides simple, user-friendly and accurate identification of device location. A coded card, inserted in the base, is read by the detector as it is plugged in. All the electronic components are in the detector, but the location information is held in the base. Addressing errors during maintenance are eliminated because the address remains in the base. Pre-coded and pre-numbered address cards are available.

### Applications

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The DT992 is ideal for use in environments that are dirty or smoky under normal conditions. It is therefore well suited installation in warehouses, loading bays and car parks.



### Details

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- 5 Approved response modes for ease of optimisation to different environments
- Rejection of transient signals
- Drift compensation to ensure constant sensitivity
- 360° Alarm visibility
- Flashing LED option
- Fast alarm reporting
- EN54 approved and CPR certified

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### Technical specifications

#### Electrical

|   |              |
|---|--------------|
| Operating voltage                       | 17 to 28 VDC |
| Communication voltage<br>(peak to peak) | 5 - 9 V      |
| Quiescent current                       | 400 $\mu$ A  |
| Alarm current                           | 3.5 mA       |
| Remote LED output                       | < 5 mA       |

#### Physical

|                     |                                  |
|---------------------|----------------------------------|
| Physical dimensions | 100 x 42 mm ( $\varnothing$ x H) |
| Net weight          | 105 g                            |
| Colour              | White                            |
| Material (body)     | Polycarbonate                    |

#### Environmental

|                        |   |
|------------------------|---|
| Operating temperature  | -40 to +80°C (Operating mode dependant) |
| Storage temperature    | -40 to +80°C                            |
| Relative humidity      | 0 to 95% noncondensing                  |
| Environment            | Indoor                                  |
| IP rating              | IP54                                    |
| Max. wind (continuous) | Not affected                            |

#### Regulatory

|               |        |
|---------------|--------|
| Certification | EN54-5 |
|---------------|--------|

#### Alarm indication

|               |
|---------------|
| Dual Red LEDs |
|---------------|



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