

# DT953

## 950 Series Analogue Addressable High Temperature Sensor

### General

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The DT953 is an elegant, slim-line analogue addressable high temperature heat detector that provides exact temperature information to the fire panel. It is normally set to alarm at temperature levels of 90°C.

### 950 Series Temperature Detectors

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The 950 series heat detectors use a low air-flow resistant case for good contact between the sensing thermistor and the surrounding air. Temperature is measured by a single thermistor that gives a voltage output proportional to the external air temperature. The signal is processed and transmitted to the control equipment.

### Operating Principles

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The 950 series temperature detectors have a common profile with optical and ionisation smoke detectors, but have a low airflow resistance case made of self extinguishing, white polycarbonate. To provide a device that operates in ambient temperatures of up to 50°C, the DT953 is recommended.

### Unique Addressing

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A unique, patented addressing method provides simple, user-friendly and accurate identification of monitor location whereby a coded card, inserted in the base, is read by any monitor as it is plugged in. All the electronic components are in the monitor, but the location information is held in the base. Addressing errors during maintenance and service are eliminated. Pre-coded and pre-numbered address cards are also available. These address cards simplify and speed up installation and commissioning.



### Details

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- Passive base address
- Programmable slide-in address card
- Aesthetic design
- Multiple European approvals

# DT953

## 950 Series Analogue Addressable High Temperature Sensor

### Technical specifications

#### Electrical

|                   |              |
|-------------------|--------------|
| Operating voltage | 17 to 28 VDC |
|-------------------|--------------|

#### Physical

|                     |                     |
|---------------------|---------------------|
| Physical dimensions | 100 x 42 mm (Ø x H) |
| Net weight          | 105 g               |
| Colour              | White               |
| Size (H x Ø)        | 42 x 100 mm         |
| Weight              | 105 g               |
| Colour              | White               |

#### Environmental

|                                        |                        |
|----------------------------------------|------------------------|
| Operating temperature                  | -20 to +70°C           |
| Storage temperature                    | -30 to +80°C           |
| Relative humidity                      | 0 to 95% noncondensing |
| Environment                            | Indoor                 |
| IP rating                              | IP53                   |
| Operating temperature<br>(no icing)    | -20°C to +70°C         |
| Storage temperature                    | -30°C to +80°C         |
| Relative humidity (non-<br>condensing) | 0 - 95%                |
| Max. wind (continuous)                 | Not affected           |
| IP Rating                              | IP53                   |

#### Standards & regulation

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

#### Operating voltage

|             |
|-------------|
| 17 - 28 VDC |
|-------------|

#### Current consumption

|           |        |
|-----------|--------|
| Quiescent | 250 µA |
| Alarm     | 2 mA   |

#### Alarm indication (LED)

|     |
|-----|
| Red |
|-----|