

DT953

950 Series Analogue Addressable High Temperature Sensor

General

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

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

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

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

- 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	-20°C to +70°C
-----------------------	----------------

(no icing)

Storage temperature	-30°C to +80°C
---------------------	----------------

Relative humidity (non-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

