



Product Data Sheet

DT713-5

57°C Fixed and rate-of-rise heat detector

General

700 Series smoke detectors continually monitor their own sensitivity and operational status. The temperature detectors in the line consist of two models:

The DT713-5 is a class A2 temperature detector with a fixed temperature threshold of 56°C and built in rate-or-rise functionality. It has a variant in the DT713-5R which has the same specifications but in addition includes a built in, potential free changeover relay.

The DT713-7 is a class B temperature detector with a fix temperature threshold of 70°C and built in rate-or-rise functionality.

Preventing false alarms with self diagnostics

Once a day the detector performs a full diagnostic test that includes dynamically testing the internal electronics. If a detector fails the internal diagnostics test, this is reported back to the panel and indicated on the detector with a yellow fault LED.

The detector base

All 700 series detector bases are provided with an integral locking tab for extra security. They are also equipped with a shorting bar between IN and OUT that opens when the head is installed and that may be manually restored when removing the head. This simplifies line testing before detector installation to ensure continuity.



Standard Features

- Automatic self diagnostics: Dynamic full detector and sensitivity test
- High false alarm immunity
- Built-in relay option
- Separate fire and fault LED
- 12 - 24 VDC operation
- Polarity insensitive
- Part of a full range: optical, heat and optical/heat multi criteria detectors
- EN54 approved

DT713-5

57°C Fixed and rate-of-rise heat detector

Specifications

| | |
|-----------------------|-----------------------------|
| Operating voltage | 8.5 - 33 VDC |
| Current consumption | |
| Quiescent at 24 VDC | 100 microA max. |
| In alarm at 24 VDC | 60 mA |
| Alarm indication | Red LED |
| Fault indication | Yellow LED |
| Remote alarm output | 30 mA |
| Relay models | 2 A @ 30 VDC, 1 A @ 120 VAC |
| Humidity | 0 - 95%, Non-condensing |
| IP rating | IP43 |
| Operating temperature | -10°C to 70°C |
| Sensitivity | NA |
| Heat specification | |
| Ambient | 25°C |
| R.O.R. | EN54-2 Class A2 |
| Fixed temp | 56°C ± 1.5°C |
| Reset voltage | 2.5 V max |
| Reset time | 1 s |
| Dimensions | 10 cm Ø, H = 5 cm |

Ordering Information

| Part No. | Description |
|----------|---|
| DT713-5 | 57°C Fixed and rate-of-rise heat detector |
| DB702 | 10 cm diameter base - 6 terminals |

