



Product Data Sheet

DT713-5R

57°C Fixed and R.O.R. heat detector, with relay output

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

DT713-5R

57°C Fixed and R.O.R. heat detector, with relay output

Specifications

Operating voltage	8.5 - 33 V dc FWR
Current consumption	
Quiescent at 24 V dc	100 µA; Max. 70 µA average
In alarm at 24 V dc	60 mA
Alarm indication	Red LED
Fault indication	Yellow LED
Remote alarm output	30 mA
RY contact rating	2 A @ 30 V dc; 1 A @ 120 V ac
Humidity	0 - 95%; Non-condensing
IP rating	IP 43
Heat specification	
Max.	57° C ± 1.5° C
R.O.R.	8° C/min and > 40° C
Reset voltage	2.5 V max
Reset time	1 sec
Dimensions	10 cm Ø, H = 5 cm

Ordering Information

Part No.	Description
DT713-5R	57°C Fixed and R.O.R. heat detector, with relay output
DB702	10 cm diameter base - 6 terminals

