

DT713-5

700 Series Conventional Heat Detector, 57°C Class A2

General

The 700 series conventional detector line includes a range of temperature detectors:

- The DT713-5 is a class A2 temperature detector with a fixed temperature threshold of 57°C and built in rate-or-rise functionality.
- The DT713-5R has the same specifications as the DT713-5, 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

700 Series detectors continually monitor their own sensitivity and operational status. Once a day they perform a full diagnostic test that includes dynamically testing the sensing chamber and internal electronics. Any abnormal statuses are reported locally on a fault LED on the detector, and signalled back to a compatible CIE.

The detector base

Every 700 series base features a continuity link between LINE IN (1) and LINE OUT (2) terminals of the conventional detector circuit. The base is supplied with the link in closed position. The link is enabled by default allowing you to check the zone wiring using only the bases. The link will automatically disconnect when a detector is inserted, allowing the panel to generate a fault message when the detector is removed.



Details

- 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 and CPR certified

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Technical specifications

Electrical

Operating voltage	8.5 to 33 VDC
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Physical

Net weight	84 g
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Colour	White
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Environmental

Operating temperature	-10 to +60°C
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Storage temperature	-10 to +70°C
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Relative humidity	0 to 95% noncondensing
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Environment	Indoor
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IP rating	IP43
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Standards & regulation

Certification	EN54-5
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Voltage requirements

Operating voltage	8.5 - 33 VDC
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Reset voltage	2.5 V max
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Reset time

1 s

Current consumption

Quiescent	<100 µA @ 24 VDC
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Alarm	15 to 60 mA @ 24VDC
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LED indicators

Alarm indication	Red
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Fault indication	Yellow
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Relative humidity (noncondensing)

0 - 95%

IP rating

IP43

Operating temperature

-10°C to 60°C

Storage temperature

-10°C to 70°C

Heat specification

Ambient	25°C
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R.O.R.	EN54-2 Class A2
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Fixed temp	57°C ± 1.5°C
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Dimensions (Ø x h)

100 x 50 mm

Weight

84g

Colour

White

As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.