

DT713-5R

700 Series Conventional Heat Detector w/ Relay Output, 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 fixed 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.



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 and CPR certified

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Specifications

Electrical	
Operating voltage	8.5 to 33 VDC
Physical	
Physical dimensions	100 x 50 mm (Ø x H)
Colour	White
Environmental	
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP43
Standards & regulation	
Certification	EN54-5
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	700 Series Conventional Heat Detector w/ Relay Output, 57°C Class A2
DB702	700 Series 6 Terminal Conventional 2-wire Base - 100 mm
DB702U	700 Series 6 Terminal Conventional 2-wire Base - 150 mm