DI322I

Ionisation detector, conventional

General

The 300 Series conventional fire detectors are the ideal solution for any conventional installation. They are built specifically for use with the Aritech FP400, FP500, FP600 and FP700 series conventional fire panels, but can also be connected to most 3rd party industry standard conventional control panels.

The Series

With an attractive design and advanced features, the 300 series can cope with difficult and extreme situations. The series comprises a range of detectors including ionisation, optical and heat detectors. A universal base suits every detector and compensates for uneven surfaces. All bases are provided with an integral locking mechanism for extra security when required.

All sensors support the connection of a remote indicator, the PA25/3L, by default.

DP331I Photoelectric Smoke Detector

This detector works using the Tyndall effect. It is capable of detecting a fire in its early stages when it could still be without flames, and is normally used in areas where the possible fires generate visible smoke, like plastics, polystyrene, PVC, etc.

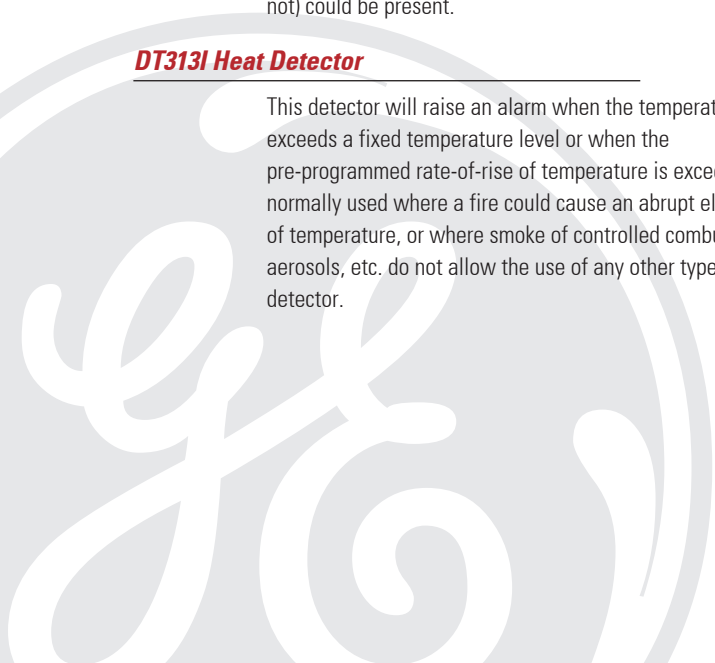## DI322I Ionisation Smoke Detector

This detector bases its operation on an imbalance of its ionisation chambers in the presence of smoke. It is capable of detecting a fire in the early stages when it could still be without flames and is normally used in clean, high-risk environments where smoke with small particles (visible or not) could be present.

DT313I Heat Detector

This detector will raise an alarm when the temperature exceeds a fixed temperature level or when the pre-programmed rate-of-rise of temperature is exceeded. It is normally used where a fire could cause an abrupt elevation of temperature, or where smoke of controlled combustion, aerosols, etc. do not allow the use of any other type of detector.

Standard Features

- **Full line consisting of Optical, Ionisation and Heat detectors**
- **An ultra-fine grid prevents the ingress of dust and insects in smoke detectors**
- **Attractive, low-profile design**
- **LPCB and VdS certification marks (*)**
- **Innovative base compensates for uneven surfaces**

Specifications

Operating voltage	18 to 28 VDC
Current consumption	
Quiescent at 24 VDC	30 A
Alarm at 24 VDC	< 100 mA
Radio-active source	Americium 241
Average activity	0.33 +/-0.04 Ci (12.1 +/- 1.5 kBq)
Remote alarm output	< 100 mA
Heat specification	
Operating temperature	-10 to +60 °C
Storage temperature	-10 to +70 °C
Humidity (non-condensing)	0 - 95%
IP rating	IP205
Number of detectors per zone	20
Recommended protection resistor	300 ohm
Dimensions (h x Ø)	
Head	45 mm x 99 mm
Base	24 mm x 103 mm
Approvals*	VdS
	LPCB

* Check current status with local office

Ordering Information

Part No.	Description
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GE Security