DP1551T
Dual Sensor (Optical/Heat)

General

The 1500 series detectors use a microprocessor for measurement and communication. An enhanced protocol ensures the overall integrity and error free operation of the system, without compromising detection speed.

All sensors are compatible with a standard base that makes them easily interchangeable and support the connection of the PA25/3L remote indicator.

DP1561 Photoelectric Smoke Sensor

This sensor 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.

DP1551T Dual Sensor

This sensor features a combined photoelectric and heat, dual-sensor that combines one photoelectric and two heat sensors. It can detect a wide range of different fire types.

The heat detection is based on a rate-off-rise response that is capable of detecting fires generating very low quantities of smoke, but a lot of heat. The photoelectric sensor uses the Tyndall effect.

DI1552 Ionisation Smoke Sensor

This sensor bases its operation on 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 of small particles (visible or not) could be present.
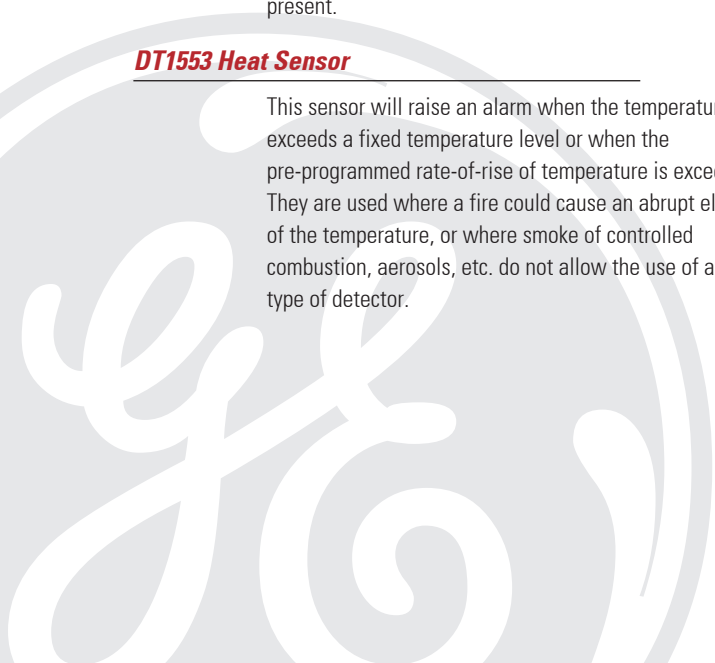
DT1553 Heat Sensor

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

Standard Features

- **Remote signalling capabilities**
- **Optical sensor with field exchangeable optical chamber**
- **Easy soft addressing (1-125)**
- **SMD technology**
- **Reliable communication protocol**
- **Full diagnostic self testing**
- **Full range: Ionisation, Optical and Heat and Dual sensors (optical/heat)**
- **Full range of supporting I/O units and accessories**
- **EN54 Approved**

DP1551T

Dual Sensor (Optical/Heat)

Specifications

Operating voltage	22 to 38 VDC
Current consumption	
Quiescent @ 38 VDC	350 A
In Alarm	< 5 mA
Alarm indication (Dual LED)	Red
Remote Alarm Output	Available
Environment	
Storage Temperature	-10 to +70 °C
Operating Temperature	-10 to +70 °C
Humidity (non-condensing)	0-95%
IP rating	IP42
Radioactive Source	NA
Dimensions (h x Ø)	51 x 99 mm

Ordering Information

Part No.	Description
DP1551T	Dual Sensor (Optical/Heat)

Other Accessories

A comprehensive range of accessories complements this range. It consists of: Isolators, Sounder Controllers, Zone Monitor Units, Manual Call Points as well as a variety of I/O modules.

User Friendly

Sensors are individually identified by setting an address through a device programmer (PG700). The address is stored in flash memory. This method eliminates the risk of addresses being changed without authorization.

GE Security