DTD-215

Conventional
High-Heat Detector

Description

The new 200 series of conventional detectors has been developed using the most innovative technical advances. Its completely new design makes the 200 series one of the most elegant on the market, ideal for facilities in which the balance between functionality and aesthetics is necessary.

The range of 200 series conventional detectors is made up of 4 detector model types. They are a 58ºC rise-of-rate detector, a 78ºC heat detector, an optical detector and an optical-heat detector. All of them are compatible with DETNOV's conventional control panels and analogue monitor units, and with the majority of the conventional panels on the market.

The DTD-215 high-heat detector detects a quick temperature increase in a period of time (defined in the EN54-5 regulations for grade C detectors) or a temperature over 78ºC; in both cases the detector will go into the alarm state, and the detector's integrated LED will switch on.

The 200 series detectors require the Z-200 base in order to connect. This connection base includes a blocking option which avoids it being tampered with. A tool is needed to remove the detector once it is blocked.

Detectors in this series have non-polarity technology, facilitating system wiring and saving a huge amount of time in commissioning the system.

The protected area is 20 m^2 and the maximum installation height is 7.5 meters.

Features

- Elegant design and low profile
- Heat and rise-of-rate function
- 78ºC static alarm function
- Two-wire connection with non-polarity
- Remote indicator port
- Compatible with any conventional fire control panel
- EN54-5 approved

Applications

DTD-215 conventional heat detectors are suitable for those areas in a fire detection system in which a fire will cause more heat than smoke, and it is also suitable for those establishments where the daily activity produces smoke, steam or powder, or where temperatures around 50ºC could regularly be reached, such as industrial kitchens, boiler rooms, changing rooms and car parks. It is also suitable for areas where standard heat detectors are not applicable.

Technical features

Detector		
	Operating voltage: From 9 to 28VCC	
	Quiescent current consumption: < 100 µA	
	Alarm current consumption: < 100 mA	
Connections		
	2 x 1.5 mm^2 twisted and shielded cable to a Z-200 base	
Environment		
	Operating temperature:	From -10ºC to +70ºC
	Relative humidity: 95% without condensation	
	IP index: IP20	
Physical features:		
	Head (height x Ø): 40 mm x 100 mm	
	Base (height x Ø): 5 mm x 100 mm	
	Material: ABS	
Approvals		
	EN54-5	
	Certificate number: 0370-CPD-0879	

Dimensions