DTD-215A

DTD-215A-I

Addressable High-Temperature Heat Detector

Description

The new 200 series of addressable 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.

DETNOV's 200 range of analogue detectors is made up of 4 detector types, all of them available with and without isolator. 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 CAD-150 family of analogue control panels.

The 200 series of analogue detectors' addresses are assigned through the PGD-200 programmer (Isolator version support auto adressing). The use of this tool saves double address mistakes, because the programmer automatically handles the address to be assigned.

Connections between the analogue system's detectors and modules must be made with a 2 x 1.5 mm^2 twisted and shielded cable with a maximum length of 2 Km (changing the seccion of the cable, number of element and using calculation software loop can reach up to 3500m). To meet the EN-54 requirements, the wiring must be done in a closed loop. Precise short-circuit isolators must be installed to facilitate the location of possible faults. The loop accepts up to 250 elements.

The DTD-215A high-heat detector detects a quick temperature increase in a period of time, or a temperature higher than 78ºC. In both cases the heat detector will go into alarm status, and the detector's integrated LED will light up.

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 from the base.

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 6 meters.

Features

o   Elegant design and low profile
o   Heat and rise=of-rate function.
o   78ºC static alarm function
o   Two-wire connection without polarity
o   DTD-215A-I with isolator

o   Remote indicator port
o   Compatible with DETNOV's analogue fire control panel
o   EN54-5 and EN54-17 approved
o   Addresses from 1 to 250 in the loop

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Applications

DTD-215A analogue 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 are regularly reached, such as industrial kitchens, boiler rooms, changing rooms and car parks.

Technical features

Detector		
	Loop features:	
	Operating voltage:	From 22 to 38VDC
	Quiescent current consumption:	< 300 µA
	Alarm current consumption:	< 11 mA
Connections		
	2 x 1.5 mm^2 twisted and shielded cable to 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		
	DTD-215A Certification EN54-5 DTD-215A-I Certification EN54-5 and EN54-17	
	DTD-215A Certificate number: DTD-215A-I Certificate number:	0370-CPR-2020 0370-CPR-1861

Dimensions

40mm

100mm

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