



DET-C632

Conventional type Optical
Heat Detector



1148b/01



2831-CPR-F4865

Feature and Benefits

With a combination of detecting Rate-of-Rise and Fixed Temperature for higher safety, this detector is ideal for general fire detection purposes.

Rate-of-Rise Heat Detectors are particularly suited in areas where the temperature is normally fairly stable – useful for low ambient temperature areas where the response of fixed temperature may be slower. It activates upon rapid rise in temperature.

Fixed Temperature Heat Detectors are particularly suited to areas where temperature can fluctuate for natural reason – e.g. where there are large windows or industrial heat producing processes. It is preset to trigger an alarm when the temperature reaches approximately 57C – therefore an excellent way of avoiding continual false alarms in areas where the temperature fluctuates rapidly.

Electronic thermistor type detector element provides high accuracy with no moving parts, which results in excellence reliability.

Overview

DET-C632 conventional type Heat Detector (hereinafter called the detector) is suitable to be used in both Commercial and Industrial Buildings. The detector is designed to be compatible with most major brands of Conventional Fire Alarm Panels.



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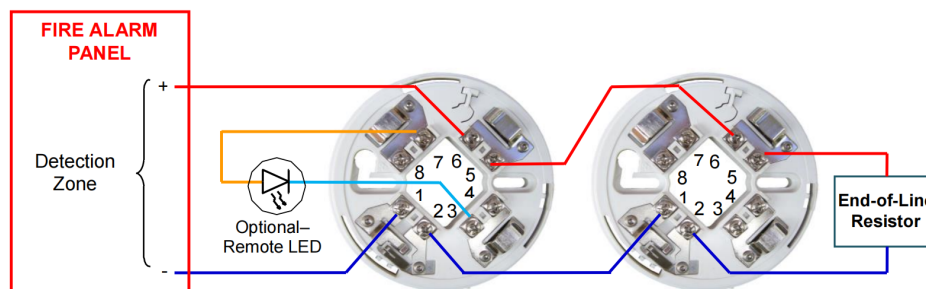
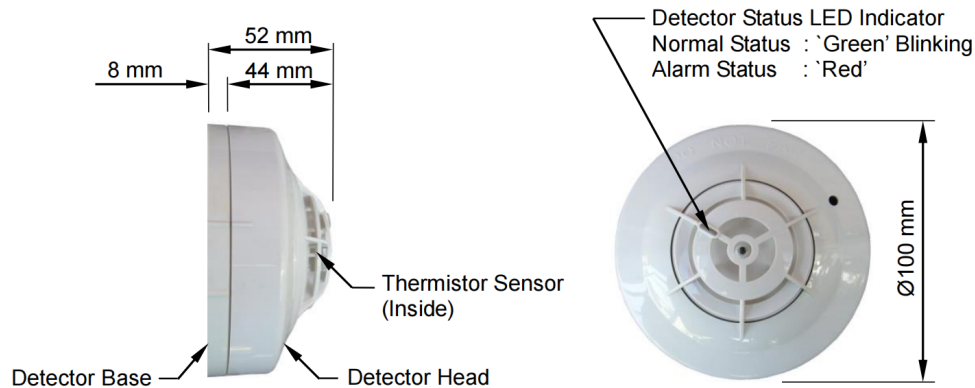
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Technical Specification

Operating voltage	9.6 VDC to 30 VDC
Quiescent Current	≤ 35uA
Alarm Current	18 to 22mA (Typical 20mA)
Remote LED Drive Current Output	Max. 20mA
Weight	85g (143g with Base DB-6)
Operating Temp. Range	-10° C to +50° C
Relative Humidity	95%RH, Non Condensing @ 40° C
Alarm LED Indication	Red (Continuous)
Normal LED Indication	Green (Blinking)
Ingress Protection	IP42
Material of Body	ABS Plastic (To UL94V-0 Flammability Test Standards)
Colour of Body	White
Standards	EN54-5 : 2017 + A1 : 2018
Normal Rated Voltage	24VDC

Appearance and Dimension

Appearance of the detector is as shown below :-



Terminate the detector wiring as shown below :-

- Terminal 1 :- Zone 'In' (Interrupted for fault detection upon removal of detector head)
- Terminal 2 :- Zone 'Out' (Interrupted for fault detection upon removal of detector head)
- Terminal 3 :- Remote LED 'Out -' (Cathode)
- Terminal 4 :- Remote LED 'Out -' (Cathode)
- Terminal 5 :- Zone 'In'
- Terminal 6 :- Zone 'Out'
- Terminal 7 :- Remote LED 'Out +' (Anode)
- Terminal 8 :- Remote LED 'Out +' (Anode)

