

# SPECIFICATION

**Document Title** Conventional Combined Heat Detector  
Model DCD-R1E Range 1 (90°C)

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# Conventional Combined Heat Detector

## Model DCD-R1E Range 1 (90°C)

### Features

- ▶ Electronic linear heat detection
- ▶ Twin fire LED's allow 360° viewing
- ▶ Range 1 Rate of Rise detector
- ▶ Electronics free mounting base
- ▶ Approved to EN54 Part 8



### Description

Model DCD-R1E is a Rate of Rise Heat Detector with a 90° fixed temperature element, the DCD-R1E uses a thermistor and linearising circuit to provide an accurate linear response Heat Detector.

The DCD-R1E is ideal for use where high ambient temperatures exist, such as boiler and drying rooms and where Smoke Detectors are unsuitable because of the presence of steam or cooking fumes such as in a kitchen.

The DCD-R1E is supported by a wide range of bases for different applications and these are supported on the majority of conventional systems.

### Specification

Ordering Code	DCD-R1E
Operating Voltage	15-30V
Quiescent Current	35µA
Max. Current in Alarm	40mA
Operating Temp. Range	-10°C to +50°C
Storage Temp. Range	-30°C to +70°C
Maximum Humidity	95%RH - Non Condensing (at 40°C)
Case Material	Polycarbonate
Diameter	100mm
Height with Base	47mm
Compatible Bases	YBN-R4, YBK-R5 /5SK /5ZD /5R2
Base Fixing Centres	48mm through to 74mm
Weight (inc. base)	95g (105g)